Chevron Environmental Management Company

2021 Order on Consent Groundwater Monitoring Report

Former Texaco Research Center Beacon

Glenham, New York

June 2022

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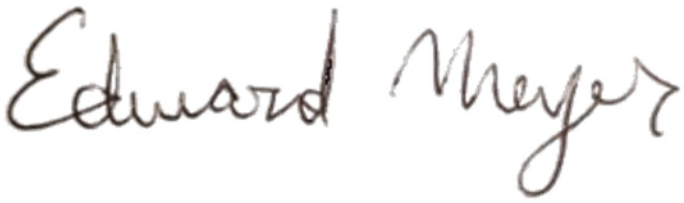
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Acronyms and Abbreviations

Arcadis	Arcadis of New York, Inc.
ASP	Analytical Services Protocol
AST	Above ground storage tank
btic	below top of inner casing
CEMC	Chevron Environmental Management Company
DER	Division of Environmental Remediation
DTW	depth to water
DUSR	Data Usability Summary Report
EDD	Electronic Data Deliverable
ICM	Interim Corrective Measure
IHWS	Inactive Hazardous Waste Site
LNAPL	light non-aqueous phase liquid
MS/MSD	matrix spike/matrix spike duplicate
ND	Non-detect
NFA	No Further Action
NY	New York
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
No.	number
OU	Operable Unit
Pace Analytical	Pace Analytical National Center for Testing & Innovation.
PAH	Polycyclic aromatic hydrocarbon
QA/QC	Quality assurance/Quality control
RCRA	Resource Conservation and Recovery Act
RSL	Regional Screening Levels
SCO	Soil cleanup objectives
SVOC	Semi-Volatile Organic Compounds
TCE	Trichloroethene
TOGS	Technical and Operational Guidance Series
TRCB	Texaco Research Center Beacon

USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compounds
WATF	Washington Avenue Tank Farm
µg/L	micrograms per liter
1,1-DCA	1,1-dichloroethane
1,2-DCE	1,1-dichloroethene

Professional Engineer's Certification

I, Krista Hankins Mastrocola, certify that I am currently a NYS registered Professional Engineer as defined in 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 and that this 2021 Order on Consent Groundwater Monitoring Report was prepared in accordance with all applicable statues and regulations and in substantial conformance with the Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plans and any DER-approved modifications.

Krista Hankins Mastrocola

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1 Introduction

On behalf of Chevron Environmental Management Company (CEMC), Arcadis of New York, Inc. (Arcadis) has prepared this 2021 Order on Consent Groundwater Monitoring Report for the former Texaco Research Center Beacon (TRCB) facility located in Dutchess County, Town of Fishkill, Hamlet of Glenham, New York (site; **Figure 1**). This groundwater monitoring report is submitted under the requirements of the New York State Department of Environmental Conservation (NYSDEC) Order on Consent (Effective date October 31, 2013, Index Number (No.) 03-1112-08-12, Site No. 314004). The order requires the semiannual collection of groundwater samples from the former Back 93-acre Area (also known as the Recreation Area or Operable Unit [OU-1E]) and down gradient locations from the Back 93-acre parcel including the Tank Farm (also known as the Washington Avenue Tank Farm [WATF] or OU-1C) and along Belvedere Rd.

This annual report contains a description of the groundwater monitoring activities conducted in April and October 2021. Data collected has been compared to the Class GA groundwater standards per the 1998 revised NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1: Ambient Groundwater Quality Standards and Guidance Values and Groundwater Effluent Limitations (NYSDEC, 1998) as required by the Order on Consent. In addition to presenting monitoring activities performed, this report also includes a summary of field inspection observations, groundwater flow patterns observed, a trend analysis of the groundwater concentrations, and a summary of monitoring well maintenance activities.

1.1 Site Description

The site is located on approximately 153 acres of land and is bisected by Fishkill Creek. The site is divided into distinct Operable Units (OU) for investigation purposes. The Main Facility (OU-1A) parcel and the Church Property (OU-1B) parcel are both located north of the Fishkill Creek. The former WATF (OU-1C) is located south of Fishkill Creek and on the eastern edge of the site. Two Residential Property parcels (OU-1D and OU-3) exist along the northern side of Washington Avenue and south of Fishkill Creek. OU-4 is a 4.96-acre parcel located along Fishkill Creek and includes the former hydroelectric facility buildings and dam. This dam previously used for generating hydroelectric power spans the creek within the boundaries of the site. OU-2 is a road parcel, located along Washington Avenue south of the Creek. The Back 93-acre parcel (OU-1E) comprises the remaining site area south of the creek, tank farm and Washington Avenue. Operable units are displayed on **Figures 2** and **3**.

Further details regarding the parcels having groundwater monitoring performed on them are described below.

1.1.1 Washington Avenue Tank Farm (OU-1C)

The WATF (OU-1C; **Figure 2**) consists of approximately 5 acres of land located south of Fishkill Creek, and is bounded by Fishkill Creek to the north, Washington Avenue to the east, and the Metro-North Railroad line to the south and west. The entirety of the WATF is surrounded by a chain link fence. This OU was formerly the site of approximately 30 above ground storage tanks (ASTs) and associated facilities. All tanks were decommissioned from late 2002 to 2003. Currently no structures exist on this OU and the area is an open lot with few remnants of the previously operated groundwater recovery system.

1.1.2 Back 93-acre Parcel (OU-1E)

The Back 93-acre Parcel (OU-1E; **Figure 3**), formerly known as the Recreation Area, is approximately a 93-acre undeveloped property located south of Fishkill Creek and Washington Avenue. The OU-1E area formerly included four structures (a washroom, storage shed, tennis court and picnic shelter). These structures were removed during the sitewide building demolition project completed in 2011 and 2012. Currently no active structures exist except for the remnants of the tennis court, a pump house for the inactive potable water well pumping system, and a concrete water reservoir.

A portion of the Back 93-acre Parcel was previously used as a disposal site and has been listed as an Inactive Hazardous Waste Site (IHWS) by NYSDEC. In addition to recreational facilities (ball field, tennis court, etc.), the OU included a sludge lagoon, a "new" sludge lagoon permitted under Resource Conservation and Recovery Act (RCRA) Part B status, three chemical burial sites, a disposal pit, and a container disposal site. Additionally, four separate areas were utilized for the disposal of non-hazardous materials during the history of the facility, which were referred to as Trash Piles "A" through "D." Materials disposed of in these locations primarily consisted of wood and metal debris, grass clippings, old empty drums, and general trash (Parsons 2019). Trash removal from Trash Piles "A" and "B," and remediation of the container disposal site, three chemical burial sites, old sludge lagoon, and disposal pit occurred in 1985 and 1986. This remediation also identified an area between several of these locations that required remediation, and this area was excavated under the identification 'open dig area." Approximately 26,300 tons of material has been removed as part of these remedial actions. Closure of the 'new' sludge lagoon was completed in 1986 following excavation. These excavations are presented in the certification of closure report, submitted on July 23, 1986 (Texaco 1986, 1987). Additional excavation pits were dug in the Trash Pile "C" area to address aesthetic concerns to remove visible trash in 2000. Interim Corrective Measures (ICMs) were performed on OU-1E between November 2005 and April 2006 to excavate and remove impacts from a hotspot at Trash Pile "D" near the former Open Dig Area previously identified in 2001, as well as surface soils from Chemical Burial Sites 1 and 3. In total an estimated 10,600 tons of additional material were excavated during these efforts to address volatile organic compounds (VOCs) semi-volatile organic compounds (SVOCs), and polycyclic aromatic hydrocarbons (PAHs) exceeding the NYSDEC recommended Soil Cleanup Objectives (SCOs) . A "No Further Action" (NFA) letter was received from NYSDEC in 2006 for these ICM activities.

1.2 Selection of Groundwater Screening Standard

Groundwater analytical results collected in 2021 have been compared to the Class GA Groundwater Standards and Guidance Values published in TOGS 1.1.1: Ambient Groundwater Quality Standards and Guidance Values and Groundwater Effluent Limitations (NYSDEC, 1998). This guidance provides a summary of water quality standards regulated under New York Codes, Rules, and Regulations (6NYCRR 703.5) and proposes guidance values for compounds where regulatory standards do not exist. Standards and guidance values have been developed for the specific class of fresh groundwater with the purpose of protecting the State's water.

2 Annual Groundwater Sampling

This section provides a summary of the monitoring program including wells monitored and the sampling methods implemented during groundwater monitoring field activities conducted in April and October 2021.

2.1 Monitoring Program

As part of the RCRA Permit Closure Plan monitoring program, the groundwater monitoring wells listed below were sampled during the monitoring events conducted in April and October 2021.

- Monitoring wells located at the Back 93-acre parcel (OU-1E):
  - DC-1
  - DC-2
  - DB-8A
  - DB-17
- Monitoring wells located at the former Washington Avenue Tank Farm (OU-1C):
  - TF-5
  - TF-23
- Monitoring wells located along Belvedere Road (Offsite):
  - OS-2
  - OR-2
  - OS-3
  - OR-3

These locations are depicted in **Figures 2** and **3**.

2.2 Field Methods

This section details the field methods implemented during the monitoring activities conducted in April and October 2021.

2.2.1 Monitoring Well Condition Inspection

An inspection of each monitoring well was performed before gauging and sampling activities to identify monitoring wells within the program in need of maintenance. The monitoring well inspection included an evaluation of the monitoring well's general condition and observations were recorded by Arcadis personnel in a field logbook. A summary of the field observations is provided in **Section 3.1**.

2.2.2 Monitoring Well Gauging

Prior to groundwater purging and sampling activities, synoptic groundwater elevations were measured across the site on both events. The depth to water (DTW) was measured using an oil-water interface probe. The DTW from the top of the monitoring well casing was recorded in the field logbook. The probe was decontaminated following previously provided Arcadis procedures with an Alconox and deionized water solution, scrubbed and lastly rinsed with a deionized water cleanse between each monitoring well. DTW measurements were then subtracted from the surveyed top of casing to calculate the groundwater elevations within each monitoring well. The oil-water interface probe was also used to measure any light non-aqueous phase liquid (LNAPL) in the monitoring wells. The groundwater gauging data is provided for the April and October sampling events in **Table 1** and **Table 2,** respectively Groundwater gauging data is described in further detail in **Section 3**.

2.2.3 Groundwater Sampling

Groundwater was collected using the volume averaged purge technique in accordance with the NYSDEC's Spill Guidance Manual Appendix N – Sample Collection Protocols (NYSDEC 1991). A peristaltic pump was used for purging groundwater while a dedicated Teflon lined bailer was used for groundwater sampling. Individual monitoring well dedicated ½-inch outer diameter polyethylene tubing was used in conjunction with the peristaltic pump and/or Monsoon pump to purge groundwater. Groundwater conditions in monitoring well DB-17 presented challenges for collecting samples. Monitoring well DB-17's turbidity was high following removal of three volumes via pump and the groundwater sample was collected the following day with a bailer.

During purging, the following parameters were measured and recorded at the start, middle, and end of the purge, and after sample collection using a YSI 556 water-quality meter:

- pH
- temperature
- conductivity
- dissolved oxygen
- oxidation-reduction potential
- turbidity

Once collected, groundwater samples were packed on ice and cooled to 4°C. Samples were then shipped via courier along with appropriate chain of custody documentation to Pace Analytical National Center for Testing & Innovation (Pace Analytical), located in Mount Juliet, Tennessee. Groundwater sampling logs are provided in **Appendix A**. Chains of custody are attached to laboratory reports available in **Appendix B**.

2.3 Quality Assurance/Quality Control Program

Quality assurance (QA) and quality control (QC) activities are designed to confirm and document if the actual measurement process is achieving its specified level of quality. The below section summarizes the QA/QC procedures conducted during both April and October 2021 monitoring sampling events.

2.3.1 Field Quality Control Checks

Field QA/QC samples included trip blanks, equipment rinse blanks, cooler temperature blanks, field duplicate pairs, and matrix spike/matrix spike duplicate (MS/MSD) samples, as presented below.

2.3.1.1 Trip Blanks

One trip blank was collected per cooler to assess whether samples have been exposed to non-site-related VOC during shipping and field handling procedures. The trip blank consisted of a volatile organic analysis vial filled with analyte-free water supplied by the laboratory, which was then taken to the sampling site, and transported back to the laboratory without having been exposed to the environment or sampling procedures while remaining with samples as collected. Trip blanks were analyzed for VOC and mirroring the analysis of samples having VOC analysis. Analytical results for trip blanks are included in **Table 3**.

2.3.1.2 Equipment Rinse Blanks

Three equipment rinse blanks were collected during both April and October 2021 sampling events to monitor the cleanliness of the sampling equipment and the effectiveness of the decontamination procedures. Equipment rinse blanks were collected and submitted for analysis at a frequency of one per day when re-useable sample equipment cleaning occurred. The equipment rinse blank was collected by filling sample containers with analyte-free water (supplied by the laboratory), which has been poured over or through decontaminated field sampling equipment prior to the collection of environmental samples. Please note that some equipment rinse blanks were labeled as “FB-W-YYMMDD” instead of “EB-W-YYMMDD” in the chain of custody; however, these samples represent rinse blanks. Equipment rinse blank field identifications with this issue are as follows: FB-W-210426, FB-W-210427, FB-W-210428, FB-W-211006, and FB-W-211007. Analytical results for equipment rinse blanks are included in **Table 3**.

2.3.1.3 Field Duplicate Samples

A field duplicate sample was collected to evaluate precision, sample homogeneity, and to verify the reproducibility of the sampling methods. One field duplicate was collected and analyzed per event (i.e., one field duplicate for every 10 samples collected) and was submitted blindly to the laboratory for the same routine handling and analysis methods and procedures as the parent samples. Field duplicates were collected at monitoring wells OS-2 and OR-2 during the April and October 2021 monitoring events, respectively. Analytical results are provided in **Table 3**.

2.3.1.4 Matrix Spike/Matrix Spike Duplicates

The purpose of matrix spike and matrix spike duplicate samples (MS/MSD) is to document the accuracy and precision of the analytical method for that specific sample. One MS/MSD sample set was collected per event. These samples were collected at monitoring wells OR-2 and OR-3 during the April and October 2021 monitoring events, respectively. Extra sample volume (three times the required sample volume per analysis) was collected for each MS/MSD sample taken.

2.3.2 Laboratory Information

All analyses conducted during the groundwater investigation activities used the NYSDEC Analytical Services Protocol (ASP) dated September 1989 with revisions. The analytical work was performed by Pace Analytical, located in Mount Juliet, Tennessee.

Pace Analytical provided a NYSDEC Analytical Service Protocol Category B data deliverable package to facilitate data validation. The laboratory analytical packages for April and October 2021 monitoring events are provided in **Appendix B**.

2.3.3 Data Usability Summary Reports

All samples were collected by Arcadis and analyzed by Pace Analytical, located in Mount Juliet, Tennessee. The results data packages prepared by the laboratory for April and October 2021 monitoring events were reviewed and validated by third party Arcadis staff. The review was conducted as a Tier III evaluation and included the preparation of Data Usability Summary Reports (DUSR) which summarize the review of the data package for

completeness, accuracy, precision, representativeness, and comparability. All analytical data collected from the groundwater investigation programs were found to be acceptable in terms of deliverable completeness, accuracy, precision, representativeness, and comparability The DUSRs detailing validation efforts are provided in **Appendix C**.

3 Annual Groundwater Sampling Results

This section provides a summary of groundwater sampling activities performed during the two Order on Consent groundwater monitoring events, performed in April and October 2021. Trend plots that detail the groundwater results for relevant constituents from the 1980s through to 2021 are provided in **Appendix D**. These results indicate decreasing concentrations over the years approaching an asymptotic level at or below groundwater standards.

3.1 Monitoring Well Inspection and Gauging

This section presents the groundwater monitoring well inspection and gauging results for April and October 2021.

3.1.1 April 2021 Inspection and Gauging

On April 26, 2021, ten monitoring wells including DC-1, DC-2, TF-5, TF-23, DB-8A, DB-17, OS-2, OR-2, OS-3, and OR-3 located on the Back 93-acre Parcel (OU-1E), the former WATF (OU-1C) and along Belvedere Road (offsite) were inspected and gauged for DTW and for the presence/absence of LNAPL using an oil/water interface probe. During this event, all monitoring wells were found to be in good condition. DTW ranged from 2.62 feet below the top of inner casing (btic) (OS-3) to 23.90 feet btic (OR-3). LNAPL was not detected in any of the ten monitoring wells gauged. Additional recorded gauging notes are provided on **Table 1**.

Based on the observations recorded, it is inferred that overburden groundwater in monitoring wells DC-1 and DC-2 is flowing to the north toward Fishkill Creek and groundwater around overburden monitoring wells DB-8A, DC-17, OS-2, and OS-3 is flowing to the south toward the unnamed creek. This unnamed creek flows to the northeast, into Fishkill Creek. A groundwater potentiometric surface map depicting groundwater elevations and contours from the April 2021 event is included as **Figure 4**. Groundwater elevations and a potentiometric surface map depicting groundwater contours for the October monitoring event is provided on **Figure 5.** Groundwater within the bedrock formation monitoring wells, OR-2 and OR-3, indicated groundwater is flowing to the south away from the unnamed creek, however additional data points would present a stronger confirmation of this. The April 2021 bedrock groundwater elevations are provided on **Figure 6**.

3.1.2 October 2021 Inspection and Gauging

On October 6, 2021, ten monitoring wells including DC-1, DC-2, TF-5, TF-23, DB-8A, DB-17, OS-2, OR-2, OS-3, and OR-3 located on the Back 93-acre Parcel (OU-1E), the former WATF (OU-1C) and along Belvedere Road (offsite) were inspected and gauged for DTW and for the presence/absence of LNAPL using an oil/water interface probe. Monitoring wells inspected during this event were found to be in good condition. DTW ranged from 2.69 feet btic (DC-2) to 22.40 feet btic (OR-3). LNAPL was not detected in any of the monitoring wells gauged. **Table 2** summarizes groundwater elevations for all monitoring wells gauged in this sampling event.

Groundwater contours were prepared for the October 2021 event based on gauging data collected at the site and are depicted in a potentiometric surface map included in this report as **Figure 5**. Groundwater flow directions observed in overburden monitoring wells during the October 2021 event indicated to follow a similar pattern to the April 2021 monitoring event (described above). Groundwater within the bedrock formation monitoring wells, OR-2 and OR-3, indicated the same pattern as the April 2021 monitoring event as well (**Figure 6**). Groundwater flow from these two points is indicative of flowing to the south, away from the unnamed creek, however additional data points would present a stronger confirmation of this.

Future actions to take place at the site are vegetation management activities to continue safe access to the wells subject to this sampling plan.

3.2 Groundwater Monitoring Results

This section presents the groundwater monitoring results for April and October 2021.

3.2.1 April 2021 Groundwater Monitoring

Between April 26 and 28, 2021, groundwater samples were collected from ten monitoring wells including DC-1, DC-2, TF-5, TF-23, DB-8A, DB-17, OS-2, OR-2, OS-3, and OR-3 located on the Back 93-acre Parcel (OU-1E), the former WATF (OU-1C) and along Belvedere Road (offsite). All groundwater samples were submitted for analysis to Pace Analytical, located in Mount Juliet, Tennessee.

To attain lower laboratory method detection limits, VOC and SVOC low level and SIM analysis were requested for select analytes. Groundwater samples were analyzed for VOC via United States Environmental Protection Agency (USEPA) Method 8260C, 8260C-SIM, 8260-low level; SVOC via USEPA Method 8270D, 8270D-SIM, 8270-low level- PAHs and dissolved lead via USEPA Method 6020. The following nine constituents were detected above the New York (NY) TOGS 1.1.1 Class GA Groundwater Standards and/or USEPA Tap water Regional Screening Level (RSL) 2019 as shown in **Table 3**:

- 1,4-Dioxane was detected in monitoring well DB-8A (1.33 micrograms per liter [µg/L]) above the USEPA Tapwater RSL 2019 Standard of 0.46 µg/L.
- Trichloroethene (TCE) was detected in monitoring wells DC-1 (6.38 µg/L) and DB-8A (7.02 µg/L) above the NY TOGS Class GA Groundwater Standard of 5 µg/L.
- Benzo(a)anthracene was detected in monitoring well OR-3 (0.0500 J µg/L) above the NY TOGS Class GA Groundwater Standard of 0.002 µg/L.
- Benzo(a)pyrene was detected in monitoring well OR-3 (0.0622 µg/L) above the USEPA Tapwater RSL 2019 Standard of 0.03 µg/L.
- Benzo(b)fluoranthene was detected in monitoring well OR-3 (0.100 µg/L) above the NY TOGS Class GA Groundwater Standard of 0.002 µg/L.
- Benzo(k)fluoranthene was detected in monitoring well OR-3 (0.0404 J µg/L) above the NY TOGS Class GA Groundwater Standard of 0.002 µg/L.
- Chrysene was detected in monitoring well OR-3 (0.0724 µg/L) above the NY TOGS Class GA Groundwater Standard of 0.002 µg/L.

- Hexachlorobutadiene was detected in monitoring well DB-8A (1.47 J µg/L) above the NY TOGS Class GA Groundwater Standard of 0.5 µg/L.
- Indeno(1,2,3-cd)pyrene was detected in monitoring well OR-3 (0.0698 µg/L) above the NY TOGS Class GA Groundwater Standard of 0.002 µg/L.

The analytical results for the April 2021 sampling event are summarized in **Table 3** and depicted in **Figures 7** and **8**.

Please note, the laboratory method of detection limits (reporting limit) for VOC and SVOC analytes were found to be higher than the NY TOGS or USEPA Tap water RSL 2019 standards for a total of 19 constituents even after the use of low level and SIM analysis; however, the number of non-detections exceeding standards decreased compared to 2020 analytical results. Fourteen constituents were identified with reporting limits exceeding NY TOGS (cis-1,3-dichloropropene, trans-1,3-dichloropropene, 3,3-Dichlorobenzidine, 4,6-dinitro-2-methylphenol, 4-nitrophenol, benzo[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, hexachlorobenzene, hexachlorobutadiene, indeno[1,2,3-cd]pyrene, nitrobenzene, and phenol) and six constituents were identified with reporting limits exceeding USEPA Tap water RSL 2019 (1,2-dibromo-3-chloropropane, 1,2,4,5-tetrachlorobenzene, atrazine, benzo[a]pyrene, dibenz(a,h)anthracene, and N-nitrosodi-n-propylamine). Of those analytes affected, only 10 of them have had detections historically: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenzo(a,h)anthracene, hexachlorobutadiene, indeno(1,2,3-cd) pyrene, nitrobenzene, and phenol. Efforts will continue to be taken by Arcadis while working with our New York State certified laboratory to limit this situation from occurring to the extent practicable. Of note, sample dilution and laboratory equipment sensitivity both play a role in the ability to report to low level criteria.

The data results are reported as non-detect (ND) and the cells of the select VOC and SVOC having this issue are italicized in **Table 3**.

Electronic Data Deliverables (EDDs) for this event were prepared and checked in accordance with the EDD Format Information for Electronic Data Providers Guidelines (available at www.dec.ny.gov/chemical/62440.html; NYSDEC 2018), and submitted on February 18, 2022, via email to NYENVDATA@dec.ny.gov. A copy of the EDD submittal is presented in **Appendix B**.

3.2.2 October 2021 Groundwater Monitoring

From October 6 to 8, 2021, groundwater samples were collected from ten monitoring wells including DC-1, DC-2, TF-5, TF-23, DB-8A, DB-17, OS-2, OR-2, OS-3, and OR-3 located on the Back 93-acre Parcel (OU-1E), the former WATF (OU-1C) and along Belvedere Road (offsite). All groundwater samples were submitted for analysis to Pace Analytical, located in Mount Juliet, Tennessee.

To attain lower laboratory method detection limits, VOC and SVOC low level and SIM analysis were requested for select analytes. Groundwater samples were analyzed for VOC via USEPA Method 8260C, 8260C-SIM, 8260-low level; SVOC via USEPA Method 8270D, 8270D-SIM, 8270-low level- PAHs and dissolved lead via USEPA Method 6020.

The following ten constituents were detected above the NY TOGS 1.1.1 Class GA Groundwater Standards and/or USEPA Tap water RSL 2019 as shown in **Table 3**:

- 1,4-Dioxane was detected in monitoring well DB-8A (1.43 µg/L) above the USEPA Tapwater RSL 2019 Standard of 0.46 µg/L.
- TCE was detected in monitoring well DC-1 (7.17 µg/L) above the NY TOGS Class GA Groundwater Standard of 5 µg/L.
- Benzo(a)anthracene was detected in monitoring wells DC-1 (0.0378 J µg/L), DC-2 (0.211 µg/L), and OR-2 (0.0413 J [0.0537] µg/L) above the NY TOGS Class GA Groundwater Standard of 0.002 µg/L. Results presented in brackets represent duplicate results.
- Benzo(a)pyrene was detected in monitoring wells DC-2 (0.105 µg/L) and OR-2 (0.0353 J [0.0509] µg/L) above the USEPA Tapwater RSL 2019 Standard of 0.03 µg/L.
- Benzo(b)fluoranthene was detected in monitoring wells DC-2 (0.0792 µg/L), OR-2 (0.0586 [0.0672] µg/L), and OR-3 (0.0203 J µg/L) above the NY TOGS Class GA Groundwater Standard of 0.002 µg/L.
- Benzo(k)fluoranthene was detected in monitoring wells DC-2 (0.0333 J µg/L) and OR-2 (0.0202 J [0.0257 J] µg/L) above the NY TOGS Class GA Groundwater Standard of 0.002 µg/L.
- Chrysene was detected in monitoring wells DC-1 (0.0246 J µg/L), DC-2 (0.156 µg/L), and OR-2 (0.0511 [0.0630] µg/L) above the NY TOGS Class GA Groundwater Standard of 0.002 µg/L.
- Dibenz(a,h)anthracene was detected in monitoring well DC-2 (0.0176 J) above the USEPA Tapwater RSL 2019 Standard of 0.03 µg/L.
- Hexachlorobutadiene was detected in monitoring well DB-8A (1.59 J µg/L) above the NY TOGS Class GA Groundwater Standard of 0.5 µg/L.
- Indeno(1,2,3-cd)pyrene was detected in monitoring wells DC-2 (0.0484 J µg/L) and OR-2 (0.0388 J [0.0436 J] µg/L) above the NY TOGS Class GA Groundwater Standard of 0.002 µg/L.

The analytical results for the October 2021 sampling event are summarized in **Table 3** and depicted in **Figures 7** and **8**.

Like April 2021 analytical results, the laboratory method of detection limits (reporting limit) for VOC and SVOC analytes were found to be higher than the NY TOGS or USEPA Tap water RSL 2019 standards for a total of 19 constituents (same analytes listed in Section 3.2.1) even after the use of low level and SIM analysis. The data results are reported as ND and the cells of the select VOC and SVOC having this issue are italicized in **Table 3**. Efforts will continue to be taken by Arcadis while working with our New York State certified laboratory to limit this situation from occurring to the extent practicable in future monitoring events. Of note, sample dilution and laboratory equipment sensitivity both play a role in the ability to report to low level criteria.

EDDs for the October 2021 monitoring event were prepared and checked in accordance with the EDD Format Information for Electronic Data Providers Guidelines (available at www.dec.ny.gov/chemical/62440.html; NYSDEC 2018), and submitted on February 18, 2022, via email to NYENVDATA@dec.ny.gov. A copy of the EDD submittal is presented in **Appendix B**.

3.3 Results Summary

As described in **Section 3.2**, groundwater samples were collected and analyzed for VOC, SVOC and dissolved lead. The results of the 2021 monitoring program indicated a total of 10 constituents exceeding the applicable groundwater standards: TCE, 1,4-Dioxane benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene,

benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, hexachlorobutadiene, and indeno(1,2,3-cd)pyrene. These exceedances were detected at five of the ten monitoring wells included in the monitoring program: DC-1 (onsite), DC-2 (onsite), DB-8A (onsite), OR-2 (off-site), and OR-3 (off-site).

Appendix D includes charts presenting data trends and historical analytical data for select analytes which have been detected at concentrations exceeding applicable groundwater standards in the past.

Monitoring wells DC-1, and DB-8A, both located in the Back 93-acre parcel, exhibited TCE concentrations above the NYSDEC Class GA Groundwater standard during both April and October 2021 monitoring events. Historical groundwater analytical data indicates TCE concentrations have decreased significantly since the start of the Order on Consent monitoring program (**Appendix D**). In addition, TCE concentrations have remained consistent with analytical data from recent years and current concentrations remain stable near the 5 µg/L groundwater standard or below.

Monitoring well DB-8A exhibited 1,4-dioxane concentrations above USEPA Tapwater RSL 2019 standards in both April and October 2021 monitoring events. 1,4-dioxane was also analyzed at monitoring well DB-17, but concentrations were detected below groundwater standards.

Hexachlorobutadiene was detected above groundwater standards only at monitoring well DB-8A during April and October 2021 monitoring events. However, historical groundwater analytical data indicates concentrations of hexachlorobutadiene have decreased in the area and impacts only remain at monitoring well DB-8A onsite (**Appendix D**).

VOC and SVOC concentrations in downgradient monitoring wells TF-5 and TF-23, located at the former WATF parcel (OU-1C), were below NYSDEC Class GA Groundwater Standards. Dissolved lead was detected at monitoring well TF-23 in April 2021 monitoring event, but its concentration was reported below groundwater standards. These monitoring wells have not exhibited concentrations above NYSDEC Class GA Groundwater Standards during the past five years (**Appendix D**).

Offsite overburden monitoring wells OS-2 and OS-3, two of the four monitoring wells located along Belvedere Road (off-site), have not exhibited any exceedances based on analytical data from the past five years (**Appendix D**). Off-site bedrock monitoring well OR-2 did not exhibit concentrations above groundwater standards during the April 2021 event but presented SVOC exceedances of benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene during the October 2021 event. These constituents were last detected above groundwater standards in November 2017 and could have been detected at concentrations exceeding groundwater standards in October 2021 due to above average precipitation in the area (National Weather Service 2022) or because of the use of low level and SIM analytical methods having lower detection limits. Other constituents historically detected above groundwater standards at monitoring well OR-2, such as 1,1-Dichloroethane (1,1-DCA), 1,2-Dichloroethene (1,2-DCE [cis-1,2-DCE and trans-1,2-DCE]), and TCE have been either not detected or detected at concentrations below NYSDEC Class GA Groundwater standards in recent years (2017-2021).

SVOC were also detected above groundwater standards at offsite bedrock monitoring well OR-3 during both 2021 monitoring events. Six constituents including: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were reported at concentrations exceeding NYSDEC Class GA Groundwater standard in April 2021. The subsequent monitoring event conducted in October 2021 only reported benzo(b)fluoranthene groundwater exceedances at this monitoring well. Although a higher number of SVOC constituents were expected to be reported at concentrations above groundwater standards due to the switch in the analytical methods (low-level and SIM analysis since October 2020), a review of historical data

(2017 to 2021) indicated that benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene have been previously detected at this location at concentrations exceeding groundwater standards.

In summary, analytical data collected during April and October 2021 monitoring events indicated that monitoring wells located at the Back 93-acre parcel (DB-17), the former WATF parcel (TF-5 and TF-23), and along the Belvedere Road (OS-2 and OS-3) did not exhibit exceedances and, as a result, constituents of concern continue to degrade as shown in the analytical charts (Appendix D). Monitoring wells presenting groundwater exceedances have remained at stable concentrations compared to recent monitoring events.

4 Monitoring Well Maintenance Activities

Monitoring wells were inspected prior to conducting gauging and sampling activities and found to be in good condition. No additional maintenance activities were performed on the monitoring wells in 2021.Ongoing vegetation management will continue to allow for safe access to the monitoring wells subject to this monitoring program.

Further evaluation of monitoring well DC-1 is necessary to assess potential monitoring well construction issues identified in December 2020 and confirmed again during the 2021 monitoring events. There appears to be a failure in the well casing or screen of DC-1 which has allowed sediment and possibly sand pack to collect in the well. Monitoring well repairs or if necessary, replacement is planned for 2022.

5 Conclusion

Groundwater sampling results from the ten monitoring wells requiring monitoring as part of the Order on Consent have remained consistent with past analyses at onsite monitoring wells. Five of the ten monitoring wells sampled in 2021 continue to indicate no exceedances. The observable impacts from TCE at the remaining two onsite monitoring wells (DC-1 and DB-8A) have stabilized near the New York State Class GA Groundwater Standard threshold. The exceedance of hexachlorobutadiene and 1,4-dioxane remains localized in onsite monitoring well DB-8A.

SVOC analytes were detected above applicable groundwater standards in two offsite monitoring wells (OR-2 and OR-3), these monitoring wells have exhibited low PAH concentrations in 2021 and have not increased beyond historic monitoring event results. Onsite soil contamination source areas (trash piles and contaminated soils) have been removed from the Back 93-acre parcel and there are no known sources in the vicinity of these monitoring wells associated with historical operations. In addition, bedrock groundwater appears to be flowing to the south and away from these monitoring wells based on gauged groundwater elevations. Groundwater impacts appear to be confined in bedrock as the neighboring overburden monitoring wells do not exhibit impacts associated with these constituents, therefore no further action beyond continued monitoring is recommended at this time.

6 References

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Tables

Table 1
2021 Order on Consent Groundwater Monitoring Report
Groundwater Elevations - April 2021
Back 93-acre parcel, OU-1C and Belvedere Road Monitoring Wells
Former Texaco Research Center Beacon
Glenham, New York

Monitoring Well ID	Date	TOIC Elevation (amsl)	Depth to LNAPL (ft btic)	Depth to Water (ft btic)	LNAPL Thickness (ft btic)	GW Elevation (ft amsl)	Piezometric Surface Elevation (ft amsl)	Observations
OU-1C Wells								
TF-5	4/26/2021	207.58	ND	6.53	0.00	201.05	201.05	Wasp nest inside lid safely removed before gauging
TF-23	4/26/2021	207.20	ND	7.14	0.00	200.06	200.06	--
Back 93-acre Wells								
DC-1	4/26/2021	229.30	ND	3.48	0.00	225.82	225.82	--
DC-2	4/26/2021	229.10	ND	3.10	0.00	226.00	226.00	--
DB-8A	4/26/2021	232.60	ND	6.76	0.00	225.84	225.84	--
DB-17	4/26/2021	222.87	ND	8.00	0.00	214.87	214.87	Groundwater sample collected via peri pump after well was allowed to recharge
Off-site Wells (Belvedere Road)								
OR-2	4/26/2021	214.12	ND	7.65	0.00	206.47	206.47	--
OR-3	4/26/2021	208.88	ND	23.90	0.00	184.98	184.98	--
OS-2	4/26/2021	215.56	ND	5.95	0.00	209.61	209.61	--
OS-3	4/26/2021	228.12	ND	2.62	0.00	225.50	225.50	--

Notes:
ND: LNAPL not detected
TOIC: Top of inner Casing
ft: feet
btic: below top of inner casing
amsl: above mean sea level
-- = No observations

Table 2
2021 Order on Consent Groundwater Monitoring Report
Groundwater Elevations - October 2021
Back 93-acre parcel, OU-1C and Belvedere Road Monitoring Wells
Former Texaco Research Center Beacon
Glenham, New York

Monitoring Well ID	Date	TOIC Elevation (amsl)	Depth to LNAPL (ft btic)	Depth to Water (ft btic)	LNAPL Thickness (ft btic)	GW Elevation (ft amsl)	Piezometric Surface Elevation (ft amsl)	Observations
OU-1C Wells								
TF-5	10/06/2021	207.58	ND	6.50	0.00	201.08	201.08	--
TF-23	10/06/2021	207.20	ND	7.18	0.00	200.02	200.02	--
Back 93-acre Wells								
DC-1	10/06/2021	229.30	ND	3.18	0.00	226.12	226.12	--
DC-2	10/06/2021	229.10	ND	2.69	0.00	226.41	226.41	--
DB-8A	10/06/2021	232.60	ND	6.72	0.00	225.88	225.88	--
DB-17	10/06/2021	222.87	ND	8.47	0.00	214.40	214.40	--
Off-site Wells (Belvedere Road)								
OR-2	10/06/2021	214.12	ND	7.32	0.00	206.80	206.80	--
OR-3	10/06/2021	208.88	ND	22.40	0.00	186.48	186.48	--
OS-2	10/06/2021	215.56	ND	6.11	0.00	209.45	209.45	--
OS-3	10/06/2021	228.12	ND	3.97	0.00	224.15	224.15	--

Notes:
ND: LNAPL Not detected
NA: Not available
TOIC: Top of Inner Casing
ft: feet
btic: Below top of inner casing
amsl: above mean sea level
-- = No observations

Table 3
Groundwater Analytical Results - 2021
2021 Order on Consent Groundwater Monitoring Report
Back 93-acre parcel, OU-1C and Beldevere Road Monitoring Wells
Former Texaco Research Center Beacon
Glenham, New York

Location ID: Field Sample ID: Lab Sample ID: Date Sampled: Sample Matrix:	Units	NY TOGS Class GA Standard	USEPA Tapwater RSL 2019 Standard	DC-1 DC-1-W-210427 L1345719-08 04/27/2021 WATER	DC-1 DC-1-W-211006 L1415506-08 10/06/2021 WATER	DC-2 DC-2-W-210427 L1345719-07 04/27/2021 WATER	DC-2 DC-2-W-211006 L1415506-07 10/06/2021 WATER	DB-8A DB-8A-W-210427 L1345719-06 04/27/2021 WATER	DB-8A DB-8A-W-211006 L1415506-06 10/06/2021 WATER	DB-17 DB-17-W-210428 L1345719-05 04/28/2021 WATER	DB-17 DB-17-W-211006 L1415506-05 10/06/2021 WATER	OR-2 OR-2-W-210426 L1345719-03 04/26/2021 WATER
Volatile Organic Compounds												
1,1,1-Trichloroethane	µg/L	5	--	0.500 U J	0.500 U	0.500 U J	0.500 U J	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U
1,1,2,2-Tetrachloroethane	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	5	--	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J
1,1,2-Trichloroethane	µg/L	1	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethane	µg/L	5	--	0.123 J	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.340 J
1,1-Dichloroethene	µg/L	5	--	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U
1,2,3-Trichlorobenzene	µg/L	--	7	0.500 U J	0.500 U J	0.500 U J	0.500 U J	0.500 U J	0.500 U J	0.500 U J	0.500 U J	0.500 U
1,2,4-Trichlorobenzene	µg/L	5	--	1.00 U J	1.00 U	1.00 U J	1.00 U	1.00 U J	1.00 U	1.00 U J	1.00 U	1.00 U
1,2-Dibromo-3-Chloropropane	µg/L	--	0.0003	*0.00500 U*	*2.50 U J*	*0.00500 U*	*0.00500 U*	*0.00500 U*	*0.00500 U*	*0.00500 U*	*0.00500 U*	*0.00500 U*
1,2-Dichlorobenzene	µg/L	3	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloroethane	µg/L	0.6	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloropropane	µg/L	1	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.243 J	0.500 U	0.500 U	0.257 J
1,3-Dichlorobenzene	µg/L	3	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,4-Dichlorobenzene	µg/L	3	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,4-Dioxane	µg/L	--	0.46	--	--	--	--	1.33	1.43	0.400 U	0.400 U	--
2-Butanone (MEK)	µg/L	50	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2-Hexanone	µg/L	50	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4-Methyl-2-pentanone (MIBK)	µg/L	--	6,300	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	0.778 J
Acetone	µg/L	50	--	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Benzene	µg/L	1	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromoform	µg/L	50	--	0.500 U	0.500 U J	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromomethane	µg/L	5	--	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 U
Carbon disulfide	µg/L	60	--	0.500 U	0.500 U J	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Carbon tetrachloride	µg/L	5	--	0.500 U J	0.500 U J	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U
Chlorobenzene	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chlorobromomethane	µg/L	--	83	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chlorodibromomethane	µg/L	50	--	0.500 U	0.500 U J	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chloroethane	µg/L	5	--	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U
Chloroform	µg/L	7	--	0.120 J	0.154 J	0.500 U	0.500 U J	0.282	0.352 J	0.500 U	0.500 U J	0.500 U
Chloromethane	µg/L	5	--	1.25 U J	1.25 U	1.25 U J	1.25 U	1.25 U J	1.25 U	1.25 U J	1.25 U	1.25 U
cis-1,2-Dichloroethene	µg/L	5	--	2.78 J	3.02	0.500 U J	0.500 U	0.915 J	0.500 U	0.500 U J	0.500 U	0.500 U
cis-1,3-Dichloropropene	µg/L	0.4	--	*0.500 U*	*0.500 U J*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*
Cyclohexane	µg/L	--	13,000	--	--	--	--	--	--	--	--	--
Dichlorobromomethane	µg/L	50	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Dichlorodifluoromethane	µg/L	--	200	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 U
Ethylbenzene	µg/L	5	--	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U
Ethylene Dibromide	µg/L	--	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Isopropylbenzene	µg/L	--	450	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U
Methyl acetate	µg/L	--	20,000	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	µg/L	10	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Methylcyclohexane	µg/L	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	µg/L	5	--	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U
m-Xylene & p-Xylene	µg/L	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	µg/L	--	190	--	--	--	--	--	--	--	--	--
Styrene	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U

See Notes on Page 13.

Table 3
Groundwater Analytical Results - 2021
2021 Order on Consent Groundwater Monitoring Report
Back 93-acre parcel, OU-1C and Beldevere Road Monitoring Wells
Former Texaco Research Center Beacon
Glenham, New York

Location ID: Field Sample ID: Lab Sample ID: Date Sampled: Sample Matrix:	Units	NY TOGS Class GA Standard	USEPA Tapwater RSL 2019 Standard	DC-1 DC-1-W-210427 L1345719-08 04/27/2021 WATER	DC-1 DC-1-W-211006 L1415506-08 10/06/2021 WATER	DC-2 DC-2-W-210427 L1345719-07 04/27/2021 WATER	DC-2 DC-2-W-211006 L1415506-07 10/06/2021 WATER	DB-8A DB-8A-W-210427 L1345719-06 04/27/2021 WATER	DB-8A DB-8A-W-211006 L1415506-06 10/06/2021 WATER	DB-17 DB-17-W-210428 L1345719-05 04/28/2021 WATER	DB-17 DB-17-W-211006 L1415506-05 10/06/2021 WATER	OR-2 OR-2-W-210426 L1345719-03 04/26/2021 WATER
Volatile Organic Compounds (cont.)												
Tetrachloroethene	µg/L	5	--	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.508	0.500 U
Toluene	µg/L	5	--	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J
trans-1,2-Dichloroethene	µg/L	5	--	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U
trans-1,3-Dichloropropene	µg/L	0.4	--	*0.500 U*	*0.500 U J*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*
Trichloroethene	µg/L	5	--	6.38	7.17 J	0.500 U	0.234 J	7.02	2.71	0.500 U	0.500 U	0.500 U
Trichlorofluoromethane	µg/L	5	--	2.50 U J	2.50 U J	2.50 U J	2.50 U	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 U
Vinyl chloride	µg/L	2	--	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U
Total Estimated Conc. (TICs)	µg/L	--	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Semivolatile Organic Compounds												
1,1-Biphenyl	µg/L	--	0.83	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	µg/L	--	1.7	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
2,2-oxybis[1-chloropropane]	µg/L	5	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	µg/L	--	240	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
2,4,6-Trichlorophenol	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
2,4-Dichlorophenol	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2,4-Dimethylphenol	µg/L	50	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2,4-Dinitrophenol	µg/L	10	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2,4-Dinitrotoluene	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2,6-Dinitrotoluene	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2-Chloronaphthalene	µg/L	10	--	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U
2-Chlorophenol	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
2-Methylnaphthalene	µg/L	--	36	0.250 U	0.250 U	0.250 U	0.127 J	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U
2-Methylphenol	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
2-Nitroaniline	µg/L	5	--	5.00 U	*10.0 U*	5.00 U	*10.0 U*	5.00 U	*10.0 U*	5.00 U	*10.0 U*	5.00 U
2-Nitrophenol	µg/L	1	--	1.00 U	*10.0 U*	1.00 U	*10.0 U*	1.00 U	*10.0 U*	1.00 U	*10.0 U*	1.00 U
3,3-Dichlorobenzidine	µg/L	5	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
3-Nitroaniline	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4,6-Dinitro-2-methylphenol	µg/L	1	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
4-Bromophenyl phenyl ether	µg/L	--	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Chloro-3-methylphenol	µg/L	1	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4-Chlorophenyl phenyl ether	µg/L	--	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Methylphenol	µg/L	1	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4-Nitrophenol	µg/L	1	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
Acenaphthene	µg/L	20	--	0.0500 U	0.144	0.0500 U	0.583	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Acenaphthylene	µg/L	--	--	0.0500 U	0.0634	0.0500 U	0.381	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Acetophenone	µg/L	--	1,900	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Anthracene	µg/L	50	--	0.0500 U	0.0788	0.0500 U	0.379	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Atrazine	µg/L	--	0.30	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
Benzaldehyde	µg/L	--	19	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzo[a]anthracene	µg/L	0.002	--	*0.0500 U*	0.0378 J	*0.0500 U*	0.211	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Benzo[a]pyrene	µg/L	--	0.03	*0.0500 U*	*0.0500 U*	*0.0500 U*	0.105	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*

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Semivolatile Organic Compounds (cont.)												
Benzo[b]fluoranthene	µg/L	0.002	--	*0.0500 U*	*0.0500 U*	*0.0500 U*	0.0792	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Benzo[g,h,i]perylene	µg/L	--	--	0.0500 U	0.0500 U	0.0500 U	0.0684	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Benzo[k]fluoranthene	µg/L	0.002	--	*0.0500 U*	*0.0500 U*	*0.0500 U*	0.0333 J	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Bis(2-chloroethoxy)methane	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Bis(2-chloroethyl)ether	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Bis(2-ethylhexyl) phthalate	µg/L	5	--	1.08 J	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Butyl benzyl phthalate	µg/L	50	--	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Caprolactam	µg/L	--	9,900	10.0 U	1.06 J	10.0 U	2.30 J	10.0 U	0.833 J	10.0 U	5.70 J	10.0 U
Carbazole	µg/L	--	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chrysene	µg/L	0.002	--	*0.0500 U*	0.0246 J	*0.0500 U*	0.156	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Dibenz(a,h)anthracene	µg/L	--	0.03	*0.0500 U*	*0.0500 U*	*0.0500 U*	0.0176 J	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Dibenzofuran	µg/L	--	7.90	0.0500 U	0.0500 U	0.0500 U	0.0366 J	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Diethyl phthalate	µg/L	50	--	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Dimethyl phthalate	µg/L	50	--	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Di-n-butyl phthalate	µg/L	50	--	12.8	3.00 U	3.00 U	3.00 U	1.41 J	3.00 U	3.00 U	3.00 U	3.00 U
Di-n-octyl phthalate	µg/L	50	--	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Fluoranthene	µg/L	50	--	0.100 U	0.0687 J	0.100 U	0.343	0.100 U	0.100 U	0.100 U	0.100 U	0.0271 J
Fluorene	µg/L	50	--	0.0500 U	0.101	0.0500 U	0.413	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Hexachlorobenzene	µg/L	0.04	--	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Hexachlorobutadiene	µg/L	0.5	--	0.426 J	0.316 J	*10.0 U*	*10.0 U*	1.47 J	1.59 J	*10.0 U*	*10.0 U*	*10.0 U*
Hexachlorocyclopentadiene	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Hexachloroethane	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Indeno[1,2,3-cd]pyrene	µg/L	0.002	--	*0.0500 U*	*0.0500 U*	*0.0500 U*	0.0484 J	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Isophorone	µg/L	50	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Naphthalene	µg/L	10	--	0.250 U	0.250 U J	0.250 U	0.206 J	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U
Nitrobenzene	µg/L	0.4	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
N-Nitrosodi-n-propylamine	µg/L	--	0.01	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
N-Nitrosodiphenylamine	µg/L	50	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Pentachlorophenol	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Phenanthrene	µg/L	50	--	0.0500 U	0.317	0.0500 U	1.15	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.024 J
Phenol	µg/L	1	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
Pyrene	µg/L	50	--	0.0500 U	0.114	0.0500 U	0.629	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0192 J
Total Estimated Conc. (TICs)	µg/L	--	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metals												
Lead , Dissolved	µg/L	25	--	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

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Volatile Organic Compounds												
1,1,1-Trichloroethane	µg/L	5	--	0.500 U	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U J	0.500 U J	0.500 U J	0.500 U
1,1,2,2-Tetrachloroethane	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	5	--	0.500 U	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U J	0.500 U	0.500 U J	0.500 U
1,1,2-Trichloroethane	µg/L	1	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethane	µg/L	5	--	0.262 J	0.238 J	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethene	µg/L	5	--	0.500 U	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U J	0.500 U	0.500 U J	0.500 U
1,2,3-Trichlorobenzene	µg/L	--	7	0.500 U J	0.500 U J	0.500 U J	0.500 U J	0.500 U J	0.500 U J	0.500 U J	0.500 U J	0.500 U J
1,2,4-Trichlorobenzene	µg/L	5	--	1.00 U	1.00 U	1.00 U J	1.00 U	1.00 U J	1.00 U J	1.00 U	1.00 U J	1.00 U
1,2-Dibromo-3-Chloropropane	µg/L	--	0.0003	*0.00500 U*	*0.00500 U*	*0.00500 U*	*0.00500 U*	*0.00500 U*	*0.00500 U*	*2.50 U J*	*0.00500 U*	*0.00500 U*
1,2-Dichlorobenzene	µg/L	3	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloroethane	µg/L	0.6	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloropropane	µg/L	1	--	0.213 J	0.195 J	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,3-Dichlorobenzene	µg/L	3	--	0.500 U	0.500 U	0.500 U	0.500 U J	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,4-Dichlorobenzene	µg/L	3	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,4-Dioxane	µg/L	--	0.46	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	µg/L	50	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2-Hexanone	µg/L	50	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4-Methyl-2-pentanone (MIBK)	µg/L	--	6,300	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Acetone	µg/L	50	--	25.0 U	25.0 U	25.0 U	25.0 U J	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Benzene	µg/L	1	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromoform	µg/L	50	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromomethane	µg/L	5	--	2.50 U J	2.50 U J	2.50 U J	2.50 U	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 U J
Carbon disulfide	µg/L	60	--	0.500 U	0.500 U	0.500 U	0.110 J	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Carbon tetrachloride	µg/L	5	--	0.500 U	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U J	0.500 U	0.500 U J	0.500 U
Chlorobenzene	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chlorobromomethane	µg/L	--	83	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chlorodibromomethane	µg/L	50	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chloroethane	µg/L	5	--	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U
Chloroform	µg/L	7	--	0.500 U J	0.500 U J	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U J	0.500 U	0.500 U J
Chloromethane	µg/L	5	--	1.25 U	1.25 U	1.25 U J	1.25 U	1.25 U J	1.25 U J	1.25 U	1.25 U J	1.25 U
cis-1,2-Dichloroethene	µg/L	5	--	0.500 U	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U J	0.500 U	0.500 U J	0.500 U
cis-1,3-Dichloropropene	µg/L	0.4	--	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*
Cyclohexane	µg/L	--	13,000	--	--	--	--	--	--	--	--	--
Dichlorobromomethane	µg/L	50	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Dichlorodifluoromethane	µg/L	--	200	2.50 U J	2.50 U J	2.50 U J	2.50 U	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 U J
Ethylbenzene	µg/L	5	--	0.500 U	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U J	0.500 U	0.500 U J	0.500 U
Ethylene Dibromide	µg/L	--	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Isopropylbenzene	µg/L	--	450	0.500 U	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U J	0.500 U	0.500 U J	0.500 U
Methyl acetate	µg/L	--	20,000	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	µg/L	10	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Methylcyclohexane	µg/L	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	µg/L	5	--	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U
m-Xylene & p-Xylene	µg/L	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	µg/L	--	190	--	--	--	--	--	--	--	--	--
Styrene	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U

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Volatile Organic Compounds (cont.)												
Tetrachloroethene	µg/L	5	--	0.500 U	0.500 U	0.500 U J	0.500 U J	0.500 U J	0.500 U J	0.500 U	0.500 U J	0.500 U
Toluene	µg/L	5	--	0.500 U	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U J	0.500 U	0.500 U J	0.500 U
trans-1,2-Dichloroethene	µg/L	5	--	0.500 U	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U J	0.500 U	0.500 U J	0.500 U
trans-1,3-Dichloropropene	µg/L	0.4	--	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*
Trichloroethene	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Trichlorofluoromethane	µg/L	5	--	2.50 U J	2.50 U J	2.50 U J	2.50 U	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 U J
Vinyl chloride	µg/L	2	--	0.500 U	0.500 U	0.500 U J	0.500 U J	0.500 U J	0.500 U J	0.500 U	0.500 U J	0.500 U
Total Estimated Conc. (TICs)	µg/L	--	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Semivolatile Organic Compounds												
1,1-Biphenyl	µg/L	--	0.83	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	µg/L	--	1.7	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
2,2-oxybis[1-chloropropane]	µg/L	5	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	µg/L	--	240	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	*10.0 U*	1.00 U	1.00 U	1.00 U
2,4,6-Trichlorophenol	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	*10.0 U*	1.00 U	1.00 U	1.00 U
2,4-Dichlorophenol	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2,4-Dimethylphenol	µg/L	50	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2,4-Dinitrophenol	µg/L	10	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2,4-Dinitrotoluene	µg/L	5	--	*10.0 U*	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2,6-Dinitrotoluene	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2-Chloronaphthalene	µg/L	10	--	0.250 U	0.250 U	0.250 U	0.250 U J	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U
2-Chlorophenol	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
2-Methylnaphthalene	µg/L	--	36	0.174 J	0.179 J	0.250 U	0.250 U J	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U
2-Methylphenol	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
2-Nitroaniline	µg/L	5	--	*10.0 U*	*10.0 U*	5.00 U	*10.0 U*	5.00 U	5.00 U	*10.0 U*	5.00 U	*10.0 U*
2-Nitrophenol	µg/L	1	--	*10.0 U*	*10.0 U*	1.00 U	*10.0 U*	1.00 U	1.00 U	*10.0 U*	1.00 U	*10.0 U*
3,3-Dichlorobenzidine	µg/L	5	--	*10.0 U*	0.394	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
3-Nitroaniline	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4,6-Dinitro-2-methylphenol	µg/L	1	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
4-Bromophenyl phenyl ether	µg/L	--	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Chloro-3-methylphenol	µg/L	1	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4-Chlorophenyl phenyl ether	µg/L	--	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Methylphenol	µg/L	1	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	µg/L	5	--	*10.0 U*	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4-Nitrophenol	µg/L	1	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
Acenaphthene	µg/L	20	--	0.294	0.341	0.0500 U	0.0500 U J	0.0500 U	0.0500 U	0.0243 J	0.0500 U	0.0500 U
Acenaphthylene	µg/L	--	--	0.112	0.144	0.0500 U	0.0500 U J	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Acetophenone	µg/L	--	1,900	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Anthracene	µg/L	50	--	0.0703	0.0918	0.0500 U	0.0500 U J	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Atrazine	µg/L	--	0.30	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
Benzaldehyde	µg/L	--	19	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzo[a]anthracene	µg/L	0.002	--	0.0413 J	0.0537	0.0500 J	*0.0500 U J*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Benzo[a]pyrene	µg/L	--	0.03	0.0353 J	0.0509	0.0622	*0.0500 U J*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*

See Notes on Page 13.

Table 3
Groundwater Analytical Results - 2021
2021 Order on Consent Groundwater Monitoring Report
Back 93-acre parcel, OU-1C and Beldevere Road Monitoring Wells
Former Texaco Research Center Beacon
Glenham, New York

Location ID:				OR-2	OR-2	OR-3	OR-3	OS-2	OS-2	OS-2	OS-3	OS-3
Field Sample ID:				OR-2-W-211007	BD-W-211007	OR-3-W-210427	OR-3-W-211007	OS-2-W-210426	BD-W-210426	OS-2-W-211007	OS-3-W-210427	OS-3-W-211007
Lab Sample ID:				L1415506-03	L1415506-09	L1345719-04	L1415506-04	L1345719-01	L1345719-11	L1415506-01	L1345719-02	L1415506-02
Date Sampled:				10/07/2021	10/07/2021	04/27/2021	10/07/2021	04/26/2021	04/26/2021	10/07/2021	04/27/2021	10/07/2021
Sample Matrix:	Units	NY TOGS Class GA Standard	USEPA Tapwater RSL 2019 Standard	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Semivolatile Organic Compounds (cont.)												
Benzo[b]fluoranthene	µg/L	0.002	--	0.0586	0.0672	0.100	0.0203 J	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Benzo[g,h,i]perylene	µg/L	--	--	0.0477 J	0.0508	0.0692	0.0500 U J	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Benzo[k]fluoranthene	µg/L	0.002	--	0.0202 J	0.0257 J	0.0404 J	*0.0500 U J*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Bis(2-chloroethoxy)methane	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Bis(2-chloroethyl)ether	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	*10.0 U*	1.00 U	1.00 U	1.00 U
Bis(2-ethylhexyl) phthalate	µg/L	5	--	1.36 J	0.951 J	1.94 J	1.02 J	3.00 U	3.00 U	3.00 U	3.00 U	1.16 J
Butyl benzyl phthalate	µg/L	50	--	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Caprolactam	µg/L	--	9,900	1.37 J	10.0 U	10.0 U	0.649 J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Carbazole	µg/L	--	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chrysene	µg/L	0.002	--	0.0511	0.0630	0.0724	*0.0500 U J*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Dibenz(a,h)anthracene	µg/L	--	0.03	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U J*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Dibenzofuran	µg/L	--	7.90	0.0500 U	0.0196 J	0.0500 U	0.0500 U J	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Diethyl phthalate	µg/L	50	--	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Dimethyl phthalate	µg/L	50	--	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Di-n-butyl phthalate	µg/L	50	--	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Di-n-octyl phthalate	µg/L	50	--	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Fluoranthene	µg/L	50	--	0.109	0.122	0.154	0.100 U J	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Fluorene	µg/L	50	--	0.171	0.191	0.0500 U	0.0500 U J	0.0500 U	0.0500 U	0.0211 J	0.0500 U	0.0500 U
Hexachlorobenzene	µg/L	0.04	--	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U J*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Hexachlorobutadiene	µg/L	0.5	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*1.00 U J*	*10.0 U*	*10.0 U*	*10.0 U*
Hexachlorocyclopentadiene	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Hexachloroethane	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Indeno[1,2,3-cd]pyrene	µg/L	0.002	--	0.0388 J	0.0436 J	0.0698	*0.0500 U J*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Isophorone	µg/L	50	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Naphthalene	µg/L	10	--	0.445	0.525	0.250 U	0.250 U J	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U
Nitrobenzene	µg/L	0.4	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
N-Nitrosodi-n-propylamine	µg/L	--	0.01	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
N-Nitrosodiphenylamine	µg/L	50	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Pentachlorophenol	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Phenanthrene	µg/L	50	--	0.372	0.445	0.0681	0.0500 U J	0.0500 U	0.0500 U	0.0682	0.0500 U	0.0500 U
Phenol	µg/L	1	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
Pyrene	µg/L	50	--	0.150	0.173	0.129	0.0202 J	0.0500 U	0.0500 U	0.0232 J	0.0500 U	0.0500 U
Total Estimated Conc. (TICs)	µg/L	--	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metals												
Lead , Dissolved	µg/L	25	--	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.887	2.0 U	2.0 U	2.0 U

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Table 3
Groundwater Analytical Results - 2021
2021 Order on Consent Groundwater Monitoring Report
Back 93-acre parcel, OU-1C and Beldevere Road Monitoring Wells
Former Texaco Research Center Beacon
Glenham, New York

Location ID:				TF-5	TF-5	TF-23	TF-23	EB	EB	EB	EB	EB
Field Sample ID:				TF-5-W-210428	TF-5-W-211008	TF-23-W-210428	TF-23-W-211008	FB-W-210426	FB-W-210427	FB-W-210428	FB-W-211006	FB-W-211007
Lab Sample ID:				L1345719-10	L1415922-02	L1345719-09	L1415922-01	L1345719-12	L1345719-13	L1345719-14	L1415506-10	L1415506-11
Date Sampled:				04/28/2021	10/08/2021	04/28/2021	10/08/2021	04/26/2021	04/27/2021	04/28/2021	10/06/2021	10/07/2021
Sample Matrix:	Units	NY TOGS Class GA Standard	USEPA Tapwater RSL 2019 Standard	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Volatile Organic Compounds												
1,1,1-Trichloroethane	µg/L	5	--	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2,2-Tetrachloroethane	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	5	--	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U J	0.500 UJ	0.500 U	0.500 U
1,1,2-Trichloroethane	µg/L	1	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethane	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethene	µg/L	5	--	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U
1,2,3-Trichlorobenzene	µg/L	--	7	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 UJ	0.500 UJ
1,2,4-Trichlorobenzene	µg/L	5	--	1.00 U J	1.00 U	1.00 U J	1.00 U	1.00 UJ	1.00 U	1.00 U	1.00 U	1.00 U
1,2-Dibromo-3-Chloropropane	µg/L	--	0.0003	*0.00500 U*	*0.00500 U*	*0.00500 U*	*0.00500 U*	*0.00500 U*	*0.00500 U*	*0.00500 U*	*0.00500 U*	*0.00500 U*
1,2-Dichlorobenzene	µg/L	3	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloroethane	µg/L	0.6	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloropropane	µg/L	1	--	0.500 U	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,3-Dichlorobenzene	µg/L	3	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,4-Dichlorobenzene	µg/L	3	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,4-Dioxane	µg/L	--	0.46	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	µg/L	50	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2-Hexanone	µg/L	50	--	5.00 U	5.00 U J	5.00 U	5.00 U J	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4-Methyl-2-pentanone (MIBK)	µg/L	--	6,300	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Acetone	µg/L	50	--	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Benzene	µg/L	1	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromoform	µg/L	50	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromomethane	µg/L	5	--	2.50 U J	2.50 U	2.50 U J	2.50 U	2.50 UJ	2.50 U	2.50 U	2.50 UJ	2.50 UJ
Carbon disulfide	µg/L	60	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Carbon tetrachloride	µg/L	5	--	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U
Chlorobenzene	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chlorobromomethane	µg/L	--	83	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chlorodibromomethane	µg/L	50	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chloroethane	µg/L	5	--	2.50 U	2.50 U J	2.50 U	2.50 U J	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U
Chloroform	µg/L	7	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ	0.500 UJ
Chloromethane	µg/L	5	--	1.25 U J	1.25 U	1.25 U J	1.25 U	1.25 UJ	1.25 U	1.25 U	1.25 U	1.25 U
cis-1,2-Dichloroethene	µg/L	5	--	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U
cis-1,3-Dichloropropene	µg/L	0.4	--	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*
Cyclohexane	µg/L	--	13,000	--	--	--	--	--	--	--	--	--
Dichlorobromomethane	µg/L	50	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Dichlorodifluoromethane	µg/L	--	200	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 UJ	2.50 U	2.50 U	2.50 UJ	2.50 UJ
Ethylbenzene	µg/L	5	--	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U
Ethylene Dibromide	µg/L	--	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Isopropylbenzene	µg/L	--	450	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U
Methyl acetate	µg/L	--	20,000	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	µg/L	10	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Methylcyclohexane	µg/L	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	µg/L	5	--	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U
m-Xylene & p-Xylene	µg/L	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	µg/L	--	190	--	--	--	--	--	--	--	--	--
Styrene	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U

See Notes on Page 13.

Table 3
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2021 Order on Consent Groundwater Monitoring Report
Back 93-acre parcel, OU-1C and Beldevere Road Monitoring Wells
Former Texaco Research Center Beacon
Glenham, New York

Location ID: / Field Sample ID: / Lab Sample ID: / Date Sampled: / Sample Matrix:	Units	NY TOGS Class GA Standard	USEPA Tapwater RSL 2019 Standard	TF-5 TF-5-W-210428 L1345719-10 04/28/2021 WATER	TF-5 TF-5-W-211008 L1415922-02 10/08/2021 WATER	TF-23 TF-23-W-210428 L1345719-09 04/28/2021 WATER	TF-23 TF-23-W-211008 L1415922-01 10/08/2021 WATER	EB FB-W-210426 L1345719-12 04/26/2021 WATER	EB FB-W-210427 L1345719-13 04/27/2021 WATER	EB FB-W-210428 L1345719-14 04/28/2021 WATER	EB FB-W-211006 L1415506-10 10/06/2021 WATER	EB FB-W-211007 L1415506-11 10/07/2021 WATER
Volatile Organic Compounds (cont.)												
Tetrachloroethene	µg/L	5	--	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U
Toluene	µg/L	5	--	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U
trans-1,2-Dichloroethene	µg/L	5	--	0.500 U J	0.500 U	0.500 U J	0.500 U	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U
trans-1,3-Dichloropropene	µg/L	0.4	--	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*
Trichloroethene	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Trichlorofluoromethane	µg/L	5	--	2.50 U J	2.50 U	2.50 U J	2.50 U	2.50 UJ	2.50 U	2.50 U	2.50 UJ	2.50 UJ
Vinyl chloride	µg/L	2	--	0.500 U J	0.500 U J	0.500 U J	0.500 U J	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U
Total Estimated Conc. (TICs)	µg/L	--	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Semivolatile Organic Compounds												
1,1-Biphenyl	µg/L	--	0.83	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	µg/L	--	1.7	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
2,2-oxybis[1-chloropropane]	µg/L	5	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	µg/L	--	240	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	*10.0 U*	1.00 U	1.00 U	1.00 U	1.00 U
2,4,6-Trichlorophenol	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	*10.0 U*	1.00 U	1.00 U	1.00 U	1.00 U
2,4-Dichlorophenol	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2,4-Dimethylphenol	µg/L	50	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2,4-Dinitrophenol	µg/L	10	--	10.0 U	10.0 U J	10.0 U	10.0 U J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
2,4-Dinitrotoluene	µg/L	5	--	5.00 U	*10.0 U*	5.00 U	*10.0 U*	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2,6-Dinitrotoluene	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2-Chloronaphthalene	µg/L	10	--	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U
2-Chlorophenol	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
2-Methylnaphthalene	µg/L	--	36	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U
2-Methylphenol	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
2-Nitroaniline	µg/L	5	--	5.00 U	*10.0 U*	5.00 U	*10.0 U*	5.00 U	5.00 U	5.00 U	*10.0 U*	*10.0 U*
2-Nitrophenol	µg/L	1	--	1.00 U	*10.0 U*	1.00 U	*10.0 U*	1.00 U	1.00 U	1.00 U	*10.0 U*	*10.0 U*
3,3-Dichlorobenzidine	µg/L	5	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
3-Nitroaniline	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4,6-Dinitro-2-methylphenol	µg/L	1	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
4-Bromophenyl phenyl ether	µg/L	--	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Chloro-3-methylphenol	µg/L	1	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4-Chlorophenyl phenyl ether	µg/L	--	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
4-Methylphenol	µg/L	1	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	µg/L	5	--	5.00 U	*10.0 U*	5.00 U	*10.0 U*	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4-Nitrophenol	µg/L	1	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
Acenaphthene	µg/L	20	--	0.0500 U	0.0526	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Acenaphthylene	µg/L	--	--	0.0500 U	0.0190 J	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Acetophenone	µg/L	--	1,900	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Anthracene	µg/L	50	--	0.0500 U	0.0337 J	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Atrazine	µg/L	--	0.30	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
Benzaldehyde	µg/L	--	19	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzo[a]anthracene	µg/L	0.002	--	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Benzo[a]pyrene	µg/L	--	0.03	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*

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Back 93-acre parcel, OU-1C and Beldevere Road Monitoring Wells
Former Texaco Research Center Beacon
Glenham, New York

Location ID: Field Sample ID: Lab Sample ID: Date Sampled: Sample Matrix:	Units	NY TOGS Class GA Standard	USEPA Tapwater RSL 2019 Standard	TF-5 TF-5-W-210428 L1345719-10 04/28/2021 WATER	TF-5 TF-5-W-211008 L1415922-02 10/08/2021 WATER	TF-23 TF-23-W-210428 L1345719-09 04/28/2021 WATER	TF-23 TF-23-W-211008 L1415922-01 10/08/2021 WATER	EB FB-W-210426 L1345719-12 04/26/2021 WATER	EB FB-W-210427 L1345719-13 04/27/2021 WATER	EB FB-W-210428 L1345719-14 04/28/2021 WATER	EB FB-W-211006 L1415506-10 10/06/2021 WATER	EB FB-W-211007 L1415506-11 10/07/2021 WATER
Semivolatile Organic Compounds (cont.)												
Benzo[b]fluoranthene	µg/L	0.002	--	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Benzo[g,h,i]perylene	µg/L	--	--	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Benzo[k]fluoranthene	µg/L	0.002	--	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Bis(2-chloroethoxy)methane	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Bis(2-chloroethyl)ether	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	*10.0 U*	1.00 U	1.00 U	1.00 U	1.00 U
Bis(2-ethylhexyl) phthalate	µg/L	5	--	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Butyl benzyl phthalate	µg/L	50	--	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Caprolactam	µg/L	--	9,900	10.0 U	2.75 J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Carbazole	µg/L	--	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chrysene	µg/L	0.002	--	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Dibenz(a,h)anthracene	µg/L	--	0.03	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Dibenzofuran	µg/L	--	7.90	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Diethyl phthalate	µg/L	50	--	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Dimethyl phthalate	µg/L	50	--	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Di-n-butyl phthalate	µg/L	50	--	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Di-n-octyl phthalate	µg/L	50	--	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Fluoranthene	µg/L	50	--	0.100 U	0.0299 J	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Fluorene	µg/L	50	--	0.0500 U	0.0444 J	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Hexachlorobenzene	µg/L	0.04	--	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Hexachlorobutadiene	µg/L	0.5	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
Hexachlorocyclopentadiene	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Hexachloroethane	µg/L	5	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Indeno[1,2,3-cd]pyrene	µg/L	0.002	--	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Isophorone	µg/L	50	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Naphthalene	µg/L	10	--	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U
Nitrobenzene	µg/L	0.4	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
N-Nitrosodi-n-propylamine	µg/L	--	0.01	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
N-Nitrosodiphenylamine	µg/L	50	--	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Pentachlorophenol	µg/L	1	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Phenanthrene	µg/L	50	--	0.0500 U	0.139	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Phenol	µg/L	1	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
Pyrene	µg/L	50	--	0.0500 U	0.0455 J	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Total Estimated Conc. (TICs)	µg/L	--	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metals												
Lead , Dissolved	µg/L	25	--	2.0 U	2.0 U	1.23 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

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Location ID:		NY TOGS Class GA Standard	USEPA Tapwater RSL 2019 Standard	EB	TB	TB	TB	TB	TB	TB
Field Sample ID:				EB-W-211008	TB-W-210426	TB-W-210427	TB-W-210428	TB-W-211007	TB-W-211007	TB-W-211008
Lab Sample ID:				L1415922-04	L1345719-15	L1345719-16	L1345719-17	L1415506-14	L1415506-15	L1415922-05
Date Sampled:				10/08/2021	04/26/2021	04/27/2021	04/28/2021	10/07/2021	10/07/2021	10/08/2021
Sample Matrix:	Units			WATER	WATER	WATER	WATER	WATER	WATER	WATER
Volatile Organic Compounds										
1,1,1-Trichloroethane	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U J	0.500 UJ	0.500 U
1,1,2,2-Tetrachloroethane	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	5	--	0.500 U	0.500 U J	0.500 UJ	0.500 U J	0.500 U	0.500 U	0.500 U
1,1,2-Trichloroethane	µg/L	1	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethane	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,1-Dichloroethene	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2,3-Trichlorobenzene	µg/L	--	7	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 U
1,2,4-Trichlorobenzene	µg/L	5	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,2-Dibromo-3-Chloropropane	µg/L	--	0.0003	*0.00500 U*	*2.50 U*	*2.50 U*	*2.50 U*	*2.50 UJ*	*2.50 UJ*	*2.50 U*
1,2-Dichlorobenzene	µg/L	3	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloroethane	µg/L	0.6	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,2-Dichloropropane	µg/L	1	--	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
1,3-Dichlorobenzene	µg/L	3	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,4-Dichlorobenzene	µg/L	3	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,4-Dioxane	µg/L	--	0.46	--	--	--	--	--	--	--
2-Butanone (MEK)	µg/L	50	--	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2-Hexanone	µg/L	50	--	5.00 UJ	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 UJ
4-Methyl-2-pentanone (MIBK)	µg/L	--	6,300	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
Acetone	µg/L	50	--	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Benzene	µg/L	1	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromoform	µg/L	50	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Bromomethane	µg/L	5	--	2.50 U	2.50 U	2.50 U	2.50 U	2.50 UJ	2.50 U	2.50 U
Carbon disulfide	µg/L	60	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.246 J
Carbon tetrachloride	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chlorobenzene	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chlorobromomethane	µg/L	--	83	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chlorodibromomethane	µg/L	50	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Chloroethane	µg/L	5	--	2.50 UJ	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 UJ
Chloroform	µg/L	7	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ	0.500 UJ	0.500 U
Chloromethane	µg/L	5	--	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U	1.25 U
cis-1,2-Dichloroethene	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
cis-1,3-Dichloropropene	µg/L	0.4	--	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*
Cyclohexane	µg/L	--	13,000	--	--	--	--	--	--	--
Dichlorobromomethane	µg/L	50	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Dichlorodifluoromethane	µg/L	--	200	2.50 U J	2.50 U	2.50 U	2.50 U	2.50 UJ	2.50 UJ	2.50 UJ
Ethylbenzene	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Ethylene Dibromide	µg/L	--	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Isopropylbenzene	µg/L	--	450	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Methyl acetate	µg/L	--	20,000	--	--	--	--	--	--	--
Methyl tert-butyl ether	µg/L	10	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Methylcyclohexane	µg/L	--	--	--	--	--	--	--	--	--
Methylene Chloride	µg/L	5	--	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U
m-Xylene & p-Xylene	µg/L	--	--	--	--	--	--	--	--	--
o-Xylene	µg/L	--	190	--	--	--	--	--	--	--
Styrene	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U

See Notes on Page 13.

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Location ID: Field Sample ID: Lab Sample ID: Date Sampled: Sample Matrix:	Units	NY TOGS Class GA Standard	USEPA Tapwater RSL 2019 Standard	EB EB-W-211008 L1415922-04 10/08/2021 WATER	TB TB-W-210426 L1345719-15 04/26/2021 WATER	TB TB-W-210427 L1345719-16 04/27/2021 WATER	TB TB-W-210428 L1345719-17 04/28/2021 WATER	TB TB-W-211007 L1415506-14 10/07/2021 WATER	TB TB-W-211007 L1415506-15 10/07/2021 WATER	TB TB-W-211008 L1415922-05 10/08/2021 WATER
Volatile Organic Compounds (cont.)										
Tetrachloroethene	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Toluene	µg/L	5	--	0.500 U	0.500 UJ	0.500 UJ	0.500 UJ	0.500 U	0.500 U	0.500 U
trans-1,2-Dichloroethene	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
trans-1,3-Dichloropropene	µg/L	0.4	--	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*	*0.500 U*
Trichloroethene	µg/L	5	--	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Trichlorofluoromethane	µg/L	5	--	2.50 U	2.50 U	2.50 U	2.50 U	2.50 UJ	2.50 UJ	2.50 U
Vinyl chloride	µg/L	2	--	0.500 UJ	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 UJ
Total Estimated Conc. (TICs)	µg/L	--	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Semivolatile Organic Compounds										
1,1-Biphenyl	µg/L	--	0.83	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene	µg/L	--	1.7	*10.0 U*	--	--	--	--	--	--
2,2-oxybis[1-chloropropane]	µg/L	5	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	µg/L	--	240	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	µg/L	1	--	1.00 U	--	--	--	--	--	--
2,4,6-Trichlorophenol	µg/L	1	--	1.00 U	--	--	--	--	--	--
2,4-Dichlorophenol	µg/L	5	--	5.00 U	--	--	--	--	--	--
2,4-Dimethylphenol	µg/L	50	--	10.0 U	--	--	--	--	--	--
2,4-Dinitrophenol	µg/L	10	--	10.0 UJ	--	--	--	--	--	--
2,4-Dinitrotoluene	µg/L	5	--	*10.0 U*	--	--	--	--	--	--
2,6-Dinitrotoluene	µg/L	5	--	5.00 U	--	--	--	--	--	--
2-Chloronaphthalene	µg/L	10	--	0.250 U	--	--	--	--	--	--
2-Chlorophenol	µg/L	1	--	1.00 U	--	--	--	--	--	--
2-Methylnaphthalene	µg/L	--	36	0.250 U	--	--	--	--	--	--
2-Methylphenol	µg/L	1	--	1.00 U	--	--	--	--	--	--
2-Nitroaniline	µg/L	5	--	*10.0 U*	--	--	--	--	--	--
2-Nitrophenol	µg/L	1	--	*10.0 U*	--	--	--	--	--	--
3,3-Dichlorobenzidine	µg/L	5	--	*10.0 U*	--	--	--	--	--	--
3-Nitroaniline	µg/L	5	--	5.00 U	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	µg/L	1	--	*10.0 U*	--	--	--	--	--	--
4-Bromophenyl phenyl ether	µg/L	--	--	10.0 U	--	--	--	--	--	--
4-Chloro-3-methylphenol	µg/L	1	--	--	--	--	--	--	--	--
4-Chloroaniline	µg/L	5	--	5.00 U	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	µg/L	--	--	10.0 U	--	--	--	--	--	--
4-Methylphenol	µg/L	1	--	--	--	--	--	--	--	--
4-Nitroaniline	µg/L	5	--	*10.0 U*	--	--	--	--	--	--
4-Nitrophenol	µg/L	1	--	*10.0 U*	--	--	--	--	--	--
Acenaphthene	µg/L	20	--	0.0500 U	--	--	--	--	--	--
Acenaphthylene	µg/L	--	--	0.0500 U	--	--	--	--	--	--
Acetophenone	µg/L	--	1,900	10.0 U	--	--	--	--	--	--
Anthracene	µg/L	50	--	0.0500 U	--	--	--	--	--	--
Atrazine	µg/L	--	0.30	*10.0 U*	--	--	--	--	--	--
Benzaldehyde	µg/L	--	19	10.0 U	--	--	--	--	--	--
Benzo[a]anthracene	µg/L	0.002	--	*0.0500 U*	--	--	--	--	--	--
Benzo[a]pyrene	µg/L	--	0.03	*0.0500 U*	--	--	--	--	--	--

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Semivolatile Organic Compounds (cont.)										
Benzo[b]fluoranthene	µg/L	0.002	--	*0.0500 U*	--	--	--	--	--	--
Benzo[g,h,i]perylene	µg/L	--	--	0.0500 U	--	--	--	--	--	--
Benzo[k]fluoranthene	µg/L	0.002	--	*0.0500 U*	--	--	--	--	--	--
Bis(2-chloroethoxy)methane	µg/L	5	--	5.00 U	--	--	--	--	--	--
Bis(2-chloroethyl)ether	µg/L	1	--	1.00 U	--	--	--	--	--	--
Bis(2-ethylhexyl) phthalate	µg/L	5	--	3.00 U	--	--	--	--	--	--
Butyl benzyl phthalate	µg/L	50	--	3.00 U	--	--	--	--	--	--
Caprolactam	µg/L	--	9,900	10.0 U	--	--	--	--	--	--
Carbazole	µg/L	--	--	10.0 U	--	--	--	--	--	--
Chrysene	µg/L	0.002	--	*0.0500 U*	--	--	--	--	--	--
Dibenz(a,h)anthracene	µg/L	--	0.03	*0.0500 U*	--	--	--	--	--	--
Dibenzofuran	µg/L	--	7.90	0.0500 U	--	--	--	--	--	--
Diethyl phthalate	µg/L	50	--	3.00 U	--	--	--	--	--	--
Dimethyl phthalate	µg/L	50	--	3.00 U	--	--	--	--	--	--
Di-n-butyl phthalate	µg/L	50	--	3.00 U	--	--	--	--	--	--
Di-n-octyl phthalate	µg/L	50	--	3.00 U	--	--	--	--	--	--
Fluoranthene	µg/L	50	--	0.100 U	--	--	--	--	--	--
Fluorene	µg/L	50	--	0.0500 U	--	--	--	--	--	--
Hexachlorobenzene	µg/L	0.04	--	*0.0500 U*	--	--	--	--	--	--
Hexachlorobutadiene	µg/L	0.5	--	*10.0 U*	--	--	--	--	--	--
Hexachlorocyclopentadiene	µg/L	5	--	5.00 U	--	--	--	--	--	--
Hexachloroethane	µg/L	5	--	5.00 U	--	--	--	--	--	--
Indeno[1,2,3-cd]pyrene	µg/L	0.002	--	*0.0500 U*	--	--	--	--	--	--
Isophorone	µg/L	50	--	10.0 U	--	--	--	--	--	--
Naphthalene	µg/L	10	--	0.250 U	--	--	--	--	--	--
Nitrobenzene	µg/L	0.4	--	*10.0 U*	--	--	--	--	--	--
N-Nitrosodi-n-propylamine	µg/L	--	0.01	*10.0 U*	--	--	--	--	--	--
N-Nitrosodiphenylamine	µg/L	50	--	10.0 U	--	--	--	--	--	--
Pentachlorophenol	µg/L	1	--	1.00 U	--	--	--	--	--	--
Phenanthrene	µg/L	50	--	0.0500 U	--	--	--	--	--	--
Phenol	µg/L	1	--	*10.0 U*	--	--	--	--	--	--
Pyrene	µg/L	50	--	0.0500 U	--	--	--	--	--	--
Total Estimated Conc. (TICs)	µg/L	--	--	0.00	--	--	--	--	--	--
Metals										
Lead , Dissolved	µg/L	25	--	2.0 U	--	--	--	--	--	--

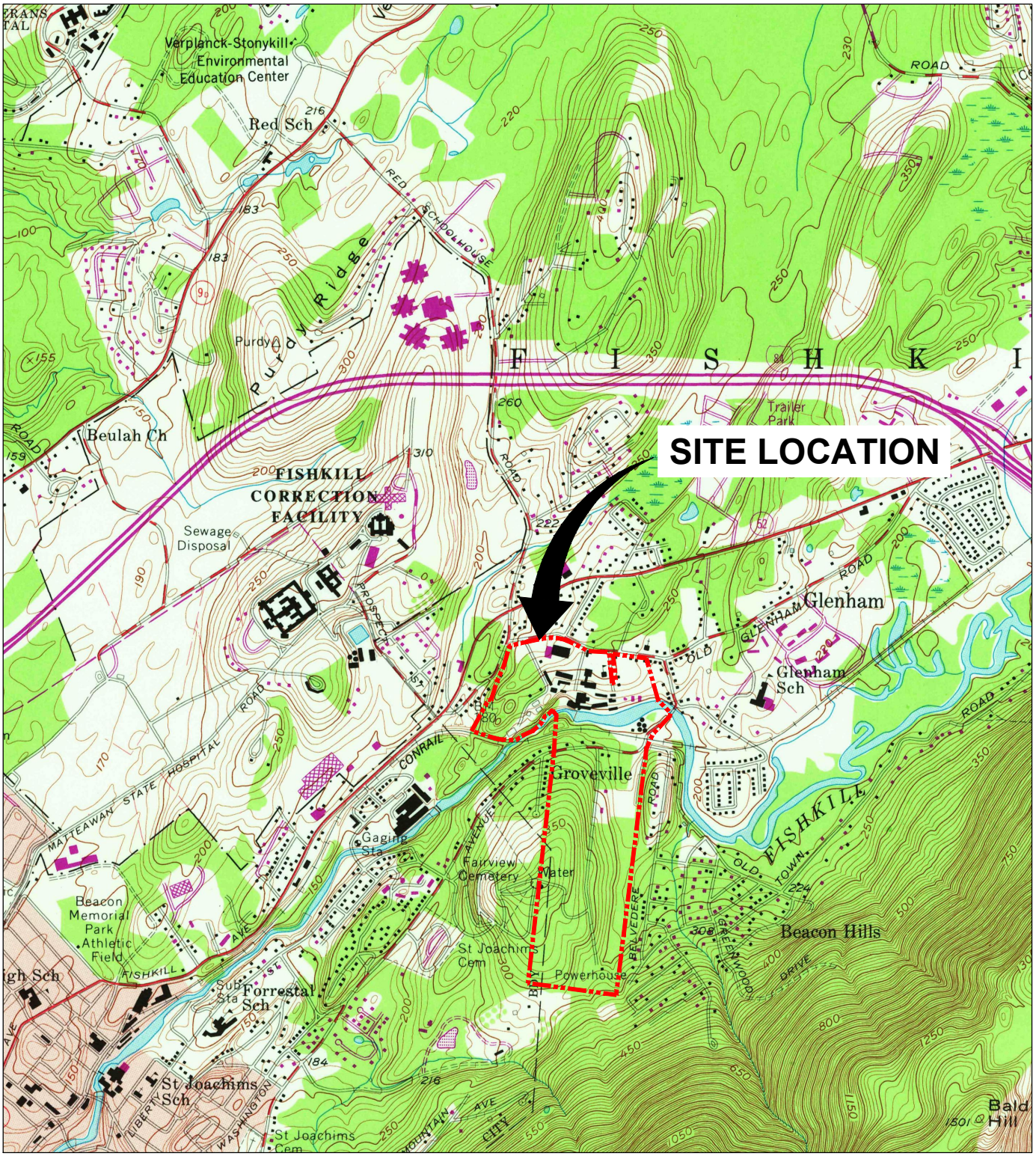
See Notes on Page 13.

Table 3
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Back 93-acre parcel, OU-1C and Beldevere Road Monitoring Wells
Former Texaco Research Center Beacon
Glenham, New York

Notes:
Concentrations are presented in micrograms per liter.
NY TOGS: New York Technical and Operational Guidance Series
USEPA: United States Environmental Protection Agency
RSL: Regional screening levels
J: Result is less than the Reported detection Limit (RDL) but greater than or equal to the MDL and the concentration is an approximate value.
U: Indicates the analyte was analyzed for but not detected at the indicated concentration.
UJ: The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
--: Not available
Yellow highlighted cells are concentration exceeding either NY TOGS or USEPA standards.
Italics: Non-detects above applicable groundwater standards
Field sample identifications FB-W-210426, FB-W-210427, FB-W-210428, FB-W-211006, and FB-W-211007 correspond to equipment rinse blanks.

See Notes on Page 13.

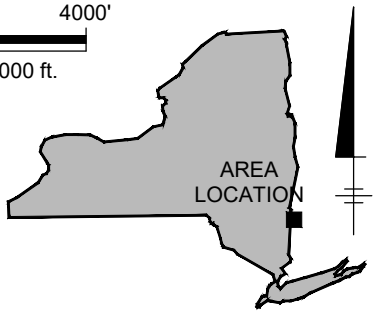
Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD.,WAPPINGERS FALLS, NY, DATED 1956, PHOTOREVISED 1981.

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.



CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER TEXACO BEACON RESEARCH CENTER
BEACON, NEW YORK
2021 ORDER ON CONSENT
GROUNDWATER MONITORING REPORT

SITE LOCATION MAP

ARCADIS

FIGURE
1

C:\Users\arl00071\ACCDocs\Arcadis\AUS-CHEVRON-FORMER TEXACO-BEACON New York\Project Files\2022\01-In Progress\01-DWG\OOC-F01-SITE LOCATION.dwg LAYOUT: 1 SAVED: 3/29/2022 6:18 PM ACADVER: 24.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/29/2022 6:19 PM BY: R, ANITA
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BY: R. ANITA IMAGES: ----
XREFS: ----

OLD GLENHAM ROAD

RED SCHOOL HOUSE RD

ROCKY GLEN RD (Private)

SCHOOL STREET

MAPLE STREET

OU-1A

OU-1B

OU-1C

OU-1D

OU-1F

OU-2

OU-3

OU-4

FISHKILL CREEK

METRO-NORTH RAILROAD

WASHINGTON AVENUE

DENSE VEGETATION

MATCHLINE: NORTH OF CREEK

FISHKILL CK (APPROXIMATED HERE)

SWMW-40(O) SWMW-17(B) ITMW-02(B) ITMW-03(B) SWMW-39(B) SWMW-16(B) SWMW-104(B) SWMW-105(B) SWMW-13(B) ITMW-04(B) ITMW-07(B) SWMW-106(B) SWMW-69(O) SWMW-70(B) SWMW-119(B) SWMW-56(B) SWMW-15(O) SWMW-110(B) SWMW-67(O) SWMW-68(B) SWMW-12(B) SWMW-108(B) SWMW-58(O) SWMW-66(B) ITMW-06(B) ITMW-5(O) SWMW-111(B) SWMW-103(B) SWMW-126(B) SWMW-122(B) SWMW-112(B) SWMW-109(B) SWMW-107(B) ITMW-08(B) SWMW-14(B) SWMW-113(O) SWMW-62(O) SWMW-41(B) SWMW-34(O) SWMW-53(O) SWMW-33(O) SWMW-32(O) SWMW-36(O) SWMW-35(O) TF-15(O) SWMW-31(O) SWMW-20(O) SWMW-19(O) SWMW-30(O) SWMW-29(O) TF-06(O) SWMW-22(O) SWMW-18(O) SWMW-38(O) SWMW-50(O) TF-26(O) SWMW-74(O) SWMW-61(O) SWMW-121(B) SWMW-120(B) SWMW-73(O) SWMW-21(O) SWMW-71(O) SWMW-37(O) TF-05(O) TF-23(O) SWMW-60(O) SWMW-101(O) SWMW-102(O) SWMW-127(O) SWMW-72(O) SWMW-63(O) SWMW-129(O) SWMW-128(O) SWMW-139(O) SWMW-140(B) ITMW-11(B) SWMW-23(O) ITMW-09(B) SWMW-57(B) SWMW-08(O) SWMW-25(O) SWMW-26(B) SWMW-117(B) ITMW-24(O) SWMW-06(B) SWMW-01(B) SWMW-48(O) SWMW-09(B) SWMW-24(O) SWMW-10(O) SWMW-44(B) ITMW-25(O) SWMW-07(B) SB35-3R(O) SWMW-118(B) ITMW-28(B) SWMW-137(O) SWMW-138(B) SWMW-27(B) SWMW-65(O) ITMW-21(B) ITMW-12(B) SB35-1R(O) SWMW-11(B) SWMW-116(B) ITMW-29(B) SWMW-54(O) SWMW-64(B) SWMW-28(O) SWMW-43(B) SB35-4R(O) SWMW-04(B) SWMW-45(B) ITMW-22(B) ITMW-31(B) ITMW-30(B) SWMW-55(B) SWMW-123(B) SWMW-05(B) SWMW-59(O) GT-1(B) GT-2(O) BR-2(B) SWMW-46(B) SWMW-52(O) SWMW-115(B) SWMW-51(B) SWMW-42(B) SWMW-03(O) SWMW-47(B) SWMW-124(B) SWMW-02(B) SWMW-136(B) SWMW-135(O) ITMW-20(B) SWMW-125(B) UKW-01(O) UKW-02(O) UKW-03(O) ITMW-14(B) SWMW-49(B) ITMW-13(B) SWMW-114(B) SWMW-133(B) SWMW-134(B) SWMW-131(B) SWMW-132(S)(B) SWMW-132(D)(B) SWMW-130(D)(B) SWMW-130(S)(B)

LEGEND:

PROPERTY LINE

AREA BOUNDARY LINE

(O) MONITORING WELL - OVERBURDEN

(B) MONITORING WELL - BEDROCK

SOURCE:

1. BASEMAP PROVIDED BY PARSONS COMMERCIAL TECHNOLOGY GROUP, SURVEYED BY BADEY & WATSON, SURVEY & ENGINEERING, P.C. THE MERIDIAN AND COORDINATE VALUES HEREON REFER TO THE NEW YORK STATE COORDINATE SYSTEM, EAST ZONE NAD83, EXPRESSED IN FEET.
2. WELL AND BORING ELEVATIONS ARE REFERENCED TO A SITE VERTICAL DATUM ESTABLISHED BY TEXACO IN 1957, HEREINAFTER REFERRED TO AS THE TEXACO DATUM, THIS DATUM IS 1.07' BELOW NAVD 1988.

PARCELS

LEGEND	DESCRIPTION, NAME
	OU-1 MAIN FACILITY PARCEL
	OU-1B CHURCH PROPERTY PARCEL
	OU-1C FORMER WASHINGTON AVENUE TANK FARM PARCEL
	OU-1D RESIDENTIAL PROPERTY PARCEL
	OU-1F FISHKILL CREEK
	OU-2 ROAD PARCEL
	OU-3 RESIDENTIAL PROPERTY PARCEL
	OU-4 HYDROELECTRIC FACILITY & DAM PARCEL
	OU-1E THE BACK 93 ACRE PARCEL

NOTES:

1. SWMW = SITEWIDE MONITORING WELL
2. ITMW = IT CORPORATION MONITORING WELL
3. TF = TANK FARM MONITORING WELL
4. UNKW = UNKNOWN MONITORING WELL

0 200' 400'

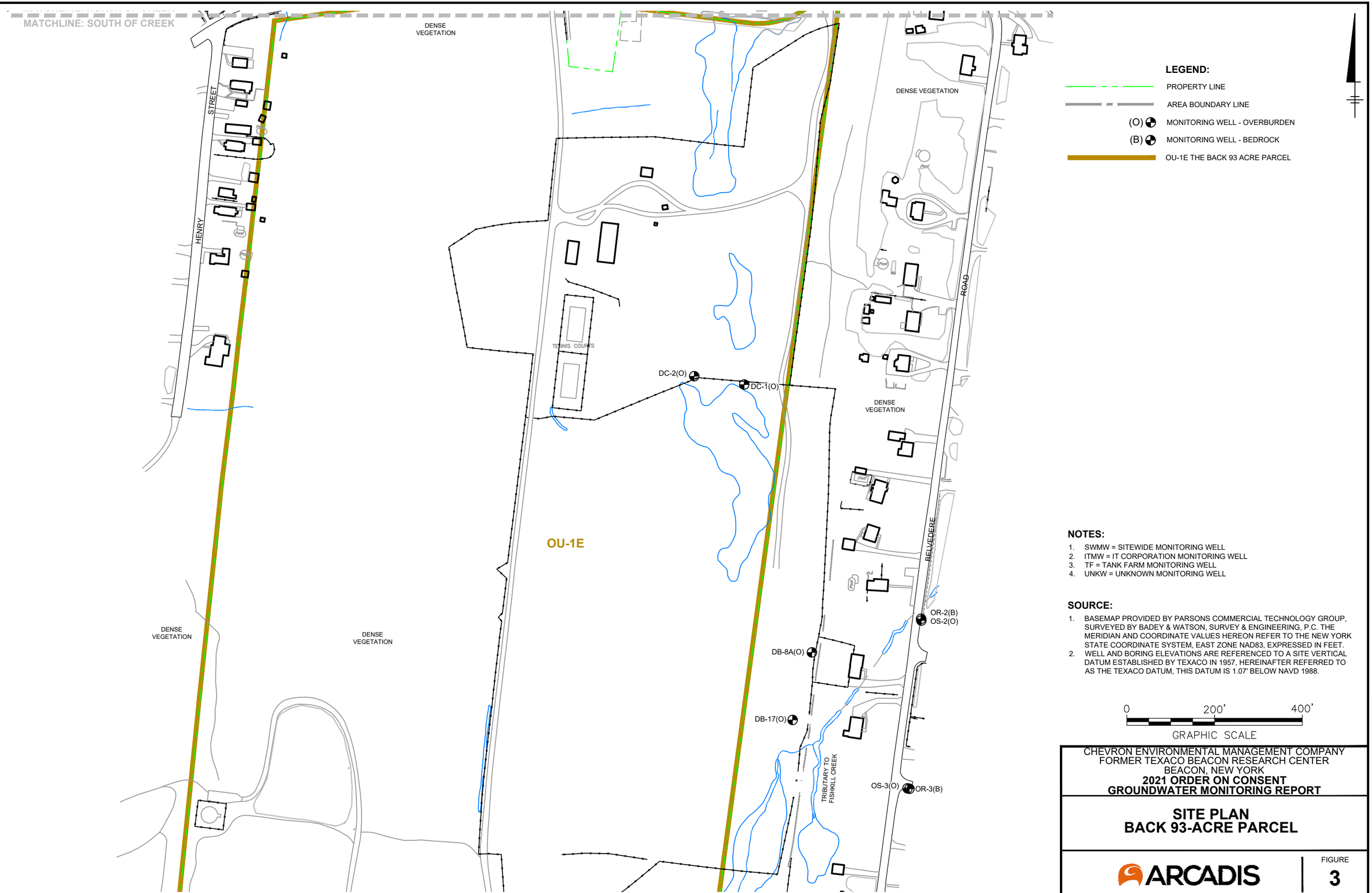
GRAPHIC SCALE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER TEXACO BEACON RESEARCH CENTER
BEACON, NEW YORK
2021 ORDER ON CONSENT
GROUNDWATER MONITORING REPORT

SITE PLAN

ARCADIS

FIGURE 2



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0 200' 400'

GRAPHIC SCALE

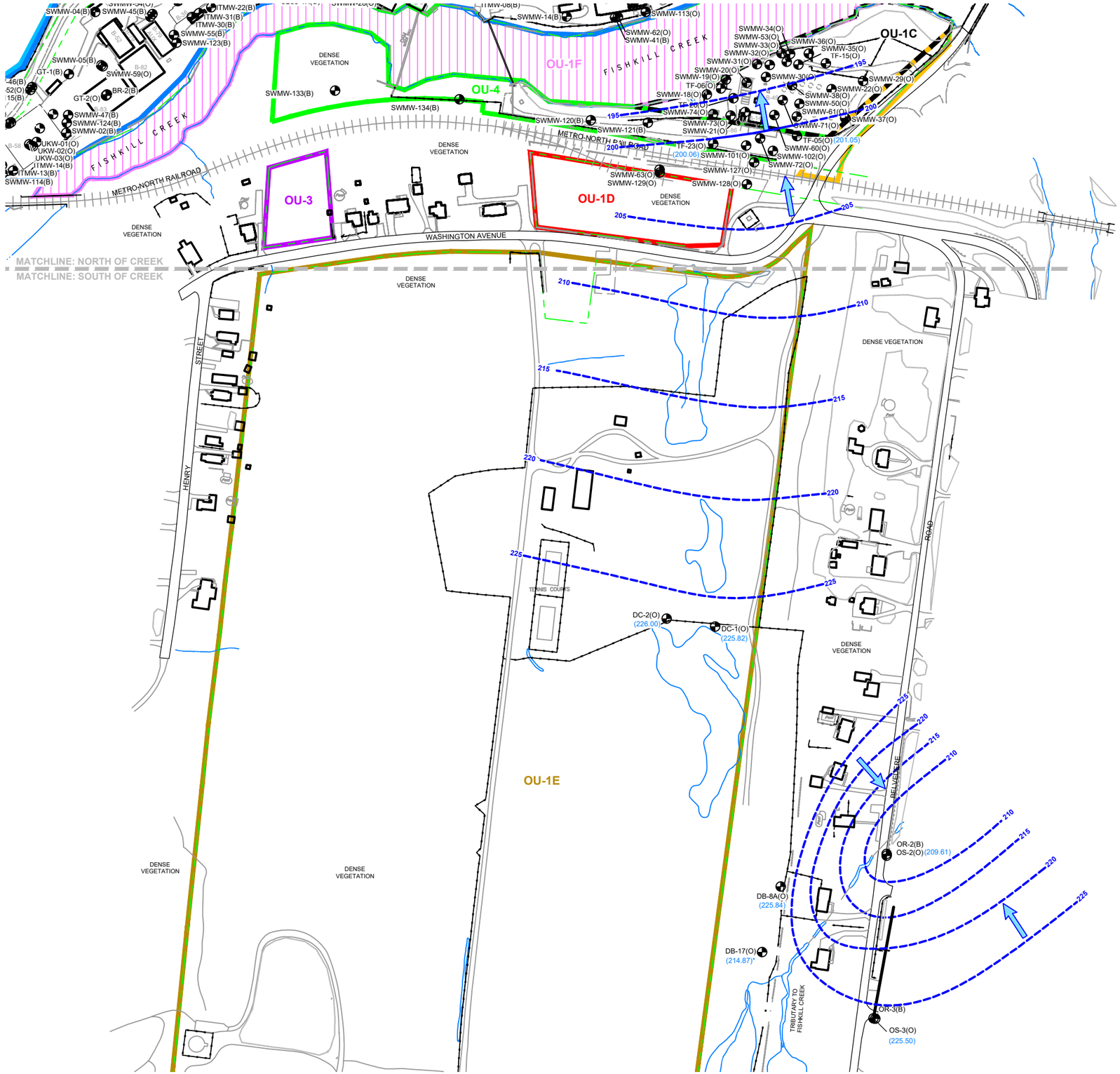
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER TEXACO BEACON RESEARCH CENTER
BEACON, NEW YORK
2021 ORDER ON CONSENT
GROUNDWATER MONITORING REPORT

SITE PLAN
BACK 93-ACRE PARCEL

ARCADIS

FIGURE
3

CITY:CRANBURY-NJ DIV/GROUP:IMDV-ENVCAD DB:JMEYER LD:JMEYER PIC:(Opt) PM:EMEYER TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\ar\i00071\ACCDocs\Arcadis\AUS-CHEVRON-FORMER TEXACO-BEACON New York\Project Files\2022\01-In Progress\01-DWG\OOC-F03-OU1E SITE PLAN.dwg LAYOUT: 3 SAVED: 3/29/2022 1:51 PM ACADVER: 24.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 3/29/2022
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LEGEND:

- PROPERTY LINE
- AREA BOUNDARY LINE
- (O) MONITORING WELL - OVERBURDEN
- (B) MONITORING WELL - BEDROCK
- (226.00) GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- * WELL NOT USED FOR CONTOURING

PARCELS	
LEGEND	DESCRIPTION, NAME
	OU-1 MAIN FACILITY PARCEL
	OU-1C FORMER WASHINGTON AVENUE TANK FARM PARCEL
	OU-1D RESIDENTIAL PROPERTY PARCEL
	OU-1F FISHKILL CREEK
	OU-2 ROAD PARCEL
	OU-3 RESIDENTIAL PROPERTY PARCEL
	OU-4 HYDROELECTRIC FACILITY & DAM PARCEL
	OU-1E THE BACK 93 ACRE PARCEL

NOTES:

1. SWMW = SITEWIDE MONITORING WELL
2. ITMW = IT CORPORATION MONITORING WELL
3. TF = TANK FARM MONITORING WELL
4. UNKW = UNKNOWN MONITORING WELL
5. BEDROCK MONITORING WELLS NOT CONSIDERED IN DEVELOPMENT OF GROUNDWATER ELEVATION CONTOURS.

SOURCE:

1. BASEMAP PROVIDED BY PARSONS COMMERCIAL TECHNOLOGY GROUP, SURVEYED BY BADEY & WATSON, SURVEY & ENGINEERING, P.C. THE MERIDIAN AND COORDINATE VALUES HEREON REFER TO THE NEW YORK STATE COORDINATE SYSTEM, EAST ZONE NAD83, EXPRESSED IN FEET.
2. WELL AND BORING ELEVATIONS ARE REFERENCED TO A SITE VERTICAL DATUM ESTABLISHED BY TEXACO IN 1957, HEREINAFTER REFERRED TO AS THE TEXACO DATUM, THIS DATUM IS 1.07' BELOW NAVD 1988.

0 250' 500'

GRAPHIC SCALE

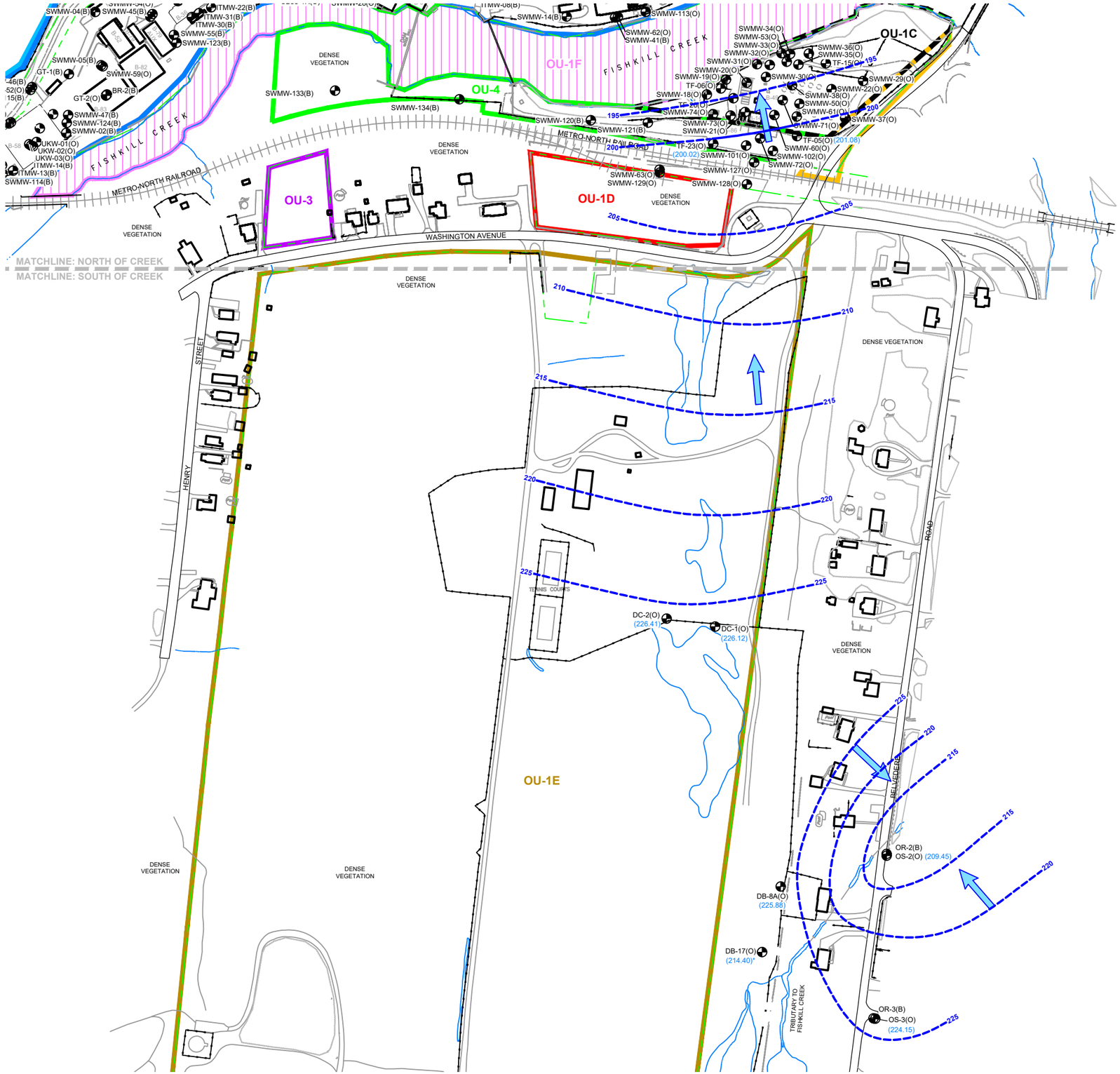
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER TEXACO BEACON RESEARCH CENTER
BEACON, NEW YORK
2021 ORDER ON CONSENT
GROUNDWATER MONITORING REPORT

OVERBURDEN POTENTIOMETRIC SURFACE APRIL 2021

ARCADIS

FIGURE 4

CITY:CRANBURY-NJ DIV/GROUP:IMDV-ENVCAD DB:JMEYER LD:JMEYER PIC:(Opt) PM:EMEYER TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\ari000711\ACCDocs\Arcadis\AUS-CHEVRON-FORMER TEXACO-BEACON New York\Project Files\2022\01-In Progress\01-DWG\OOC-F04-OU1C OVERBURDEN POTENTIOMETRIC APR 2021.dwg LAYOUT: 4 SAVED: 3/29/2022 1:14 PM ACADVER: 24.0S (LMS TECH) PAGESETUP: ----
PLOTSTYLETABLE: ---- PLOTTED: 3/29/2022 1:53 PM BY: R. ANITA
XREFS: ---- IMAGES: ----



LEGEND:

- PROPERTY LINE
- AREA BOUNDARY LINE
- (O) MONITORING WELL - OVERBURDEN
- (B) MONITORING WELL - BEDROCK
- (226.41) GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION
- * WELL NOT USED FOR CONTOURING

PARCELS	
LEGEND	DESCRIPTION, NAME
	OU-1 MAIN FACILITY PARCEL
	OU-1C FORMER WASHINGTON AVENUE TANK FARM PARCEL
	OU-1D RESIDENTIAL PROPERTY PARCEL
	OU-1F FISHKILL CREEK
	OU-2 ROAD PARCEL
	OU-3 RESIDENTIAL PROPERTY PARCEL
	OU-4 HYDROELECTRIC FACILITY & DAM PARCEL
	OU-1E THE BACK 93 ACRE PARCEL

NOTES:

1. SWMW = SITEWIDE MONITORING WELL
2. ITMW = IT CORPORATION MONITORING WELL
3. TF = TANK FARM MONITORING WELL
4. UNKW = UNKNOWN MONITORING WELL
5. BEDROCK MONITORING WELLS NOT CONSIDERED IN DEVELOPMENT OF GROUNDWATER ELEVATION CONTOURS.

SOURCE:

1. BASEMAP PROVIDED BY PARSONS COMMERCIAL TECHNOLOGY GROUP, SURVEYED BY BADEY & WATSON, SURVEY & ENGINEERING, P.C. THE MERIDIAN AND COORDINATE VALUES HEREON REFER TO THE NEW YORK STATE COORDINATE SYSTEM, EAST ZONE NAD83, EXPRESSED IN FEET.
2. WELL AND BORING ELEVATIONS ARE REFERENCED TO A SITE VERTICAL DATUM ESTABLISHED BY TEXACO IN 1957, HEREINAFTER REFERRED TO AS THE TEXACO DATUM, THIS DATUM IS 1.07' BELOW NAVD 1988.

0 250' 500'

GRAPHIC SCALE

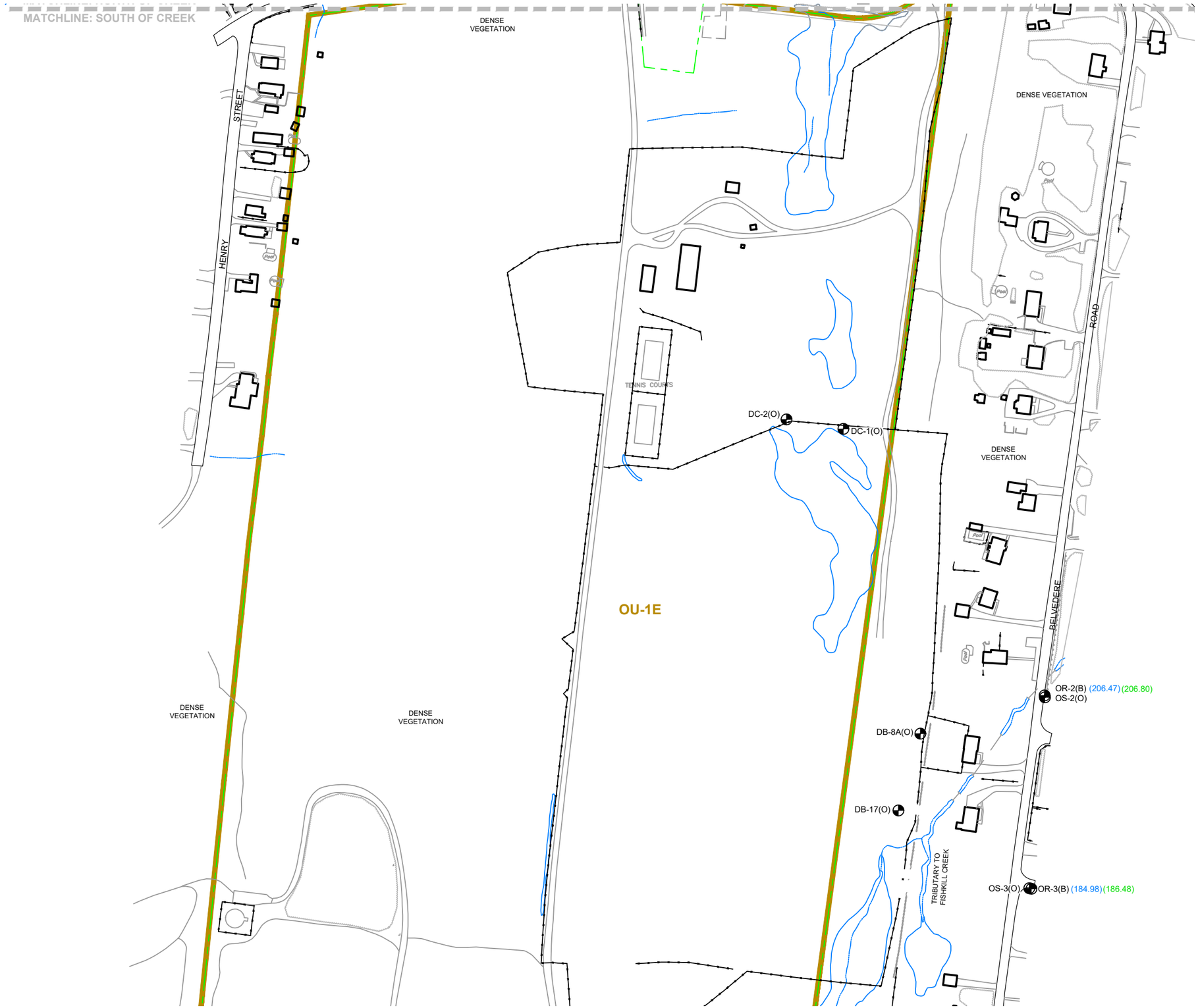
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER TEXACO BEACON RESEARCH CENTER
BEACON, NEW YORK
2021 ORDER ON CONSENT
GROUNDWATER MONITORING REPORT

OVERBURDEN POTENTIOMETRIC SURFACE OCTOBER 2021

ARCADIS

FIGURE 5

CITY:CRANBURY-NJ DIV/GROUP:IMDV-ENVCAD DB:JMEYER LD:JMEYER PIC:(Opt) PM:EMEYER TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\ari000711\ACCDocs\Arcadis\AUS-CHEVRON-FORMER TEXACO-BEACON New York\Project Files\2022\01-In Progress\01-DWG\OOC-F05-OU1C-OU1E OVERBURDEN POTENTIOMETRIC OCT 2021.dwg LAYOUT: 5 SAVED: 3/29/2022 1:40 PM ACADVER: 24.0S (LMS TECH) PAGESETUP: ----
PLOTSTYLETABLE: ---- PLOTTED: 3/29/2022 1:41 PM BY: R. ANITA
XREFS: ----
IMAGES: ----



LEGEND:

- PROPERTY LINE
- AREA BOUNDARY LINE
- (O) MONITORING WELL - OVERBURDEN
- (B) MONITORING WELL - BEDROCK
- OU-1E THE BACK 93 ACRE PARCEL
- (206.47)(206.80) GROUNDWATER ELEVATION - (APRIL)(OCTOBER)

NOTES:

1. SWMW = SITEWIDE MONITORING WELL
2. ITMW = IT CORPORATION MONITORING WELL
3. TF = TANK FARM MONITORING WELL
4. UNKW = UNKNOWN MONITORING WELL

SOURCE:

1. BASEMAP PROVIDED BY PARSONS COMMERCIAL TECHNOLOGY GROUP, SURVEYED BY BADEY & WATSON, SURVEY & ENGINEERING, P.C. THE MERIDIAN AND COORDINATE VALUES HEREON REFER TO THE NEW YORK STATE COORDINATE SYSTEM, EAST ZONE NAD83, EXPRESSED IN FEET.
2. WELL AND BORING ELEVATIONS ARE REFERENCED TO A SITE VERTICAL DATUM ESTABLISHED BY TEXACO IN 1957, HEREINAFTER REFERRED TO AS THE TEXACO DATUM, THIS DATUM IS 1.07' BELOW NAVD 1988.

0 200' 400'

GRAPHIC SCALE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER TEXACO BEACON RESEARCH CENTER
BEACON, NEW YORK
2021 ORDER ON CONSENT
GROUNDWATER MONITORING REPORT

BEDROCK GROUNDWATER ELEVATIONS APRIL & OCTOBER 2021

ARCADIS

FIGURE 6

CITY:CRANBURY-NJ DIV/GROUP:IMDV-ENVCAD DB:JMEYER LD:JMEYER PIC:(Opt) PM:EMEYER TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\arl00071\ACCDocs\Arcadis\AUS-CHEVRON-FORMER TEXACO-BEACON New York\Project Files\2022\01-In Progress\01-DWG\OOC-F06-OU1E BEDROCK GW ELEVATIONS-04&10 2021.dwg LAYOUT: 6 SAVED: 3/29/2022 1:41 PM ACADVER: 24.0S (LMS TECH) PAGESETUP: ----
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XREFS: ---- IMAGES: ----

CITY:CRANBURY-NJ DIV/GROUP:IMDV-ENVCAD DB:JMEYER LD:JMEYER PIC:(Opt) PM:EMEYER TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\jmeyer\ACCDocs\Arcadis\AUS-CHEVRON-FORMER TEXACO-BEACON New York\Project Files\2022\01-In Progress\01-DWG\OOC-F07-OU1C GW ANALYTICAL RESULTS.dwg LAYOUT: 7 SAVED: 5/27/2022 10:23 AM ACADVER: 24.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: ---
PLOTTED: 5/27/2022 10:24 AM BY: MEYER, JULIE
XREFS: ---
IMAGES: ---

OLD GLENHAM ROAD
SCHOOL STREET
MAPLE STREET
RED SCHOOL HOUSE RD
ROCKY GLEN RD (Private)
METRO-NORTH RAILROAD
WASHINGTON AVENUE
FISHKILL CREEK
FISHKILL CREEK (APPROXIMATED HERE)
DENSE VEGETATION
OU-1C
MATCHLINE: NORTH OF CREEK
MATCHLINE: SOUTH OF CREEK

SWMW-40(O), SWMW-139(O), SWMW-140(B), ITMW-11(B), SWMW-23(O), ITMW-09(B), SWMW-57(B), SWMW-08(O), SWMW-25(O), SWMW-26(B), SWMW-117(B), ITMW-24(O), SWMW-06(B), SWMW-01(B), SWMW-48(O), SWMW-09(B), SWMW-24(O), SWMW-10(O), SWMW-44(B), ITMW-25(O), SWMW-07(B), ITMW-28(B), SB35-3R(O), SWMW-118(B), SWMW-137(O), SWMW-138(B), SWMW-27(B), SWMW-65(O), SB35-1R(O), SB35-4R(O), SWMW-64(B), SWMW-28(O), ITMW-21(B), ITMW-12(B), ITMW-29(B), ITMW-22(B), ITMW-31(B), ITMW-30(B), SWMW-116(B), SWMW-54(O), SWMW-04(B), SWMW-45(B), SWMW-55(B), SWMW-123(B), SWMW-05(B), GT-1(B), SWMW-59(O), SWMW-46(B), SWMW-52(O), SWMW-115(B), GT-2(O), BR-2(B), SWMW-51(B), SWMW-42(B), SWMW-03(O), SWMW-47(B), SWMW-124(B), SWMW-02(B), SWMW-136(B), SWMW-135(O), ITMW-20(B), SWMW-125(B), UKW-01(O), UKW-02(O), UKW-03(O), ITMW-14(B), ITMW-13(B), SWMW-49(B), SWMW-114(B), SWMW-133(B), SWMW-134(B), SWMW-120(B), SWMW-121(B), SWMW-74(O), SWMW-26(O), TF-06(O), SWMW-19(O), SWMW-20(O), SWMW-18(O), SWMW-73(O), SWMW-21(O), TF-23(O), SWMW-63(O), SWMW-129(O), SWMW-101(O), SWMW-127(O), SWMW-128(O), SWMW-102(O), SWMW-72(O), SWMW-60(O), SWMW-71(O), SWMW-30(O), SWMW-22(O), SWMW-38(O), SWMW-50(O), SWMW-61(O), TF-05(O), SWMW-37(O), SWMW-29(O), TF-15(O), SWMW-36(O), SWMW-35(O), SWMW-34(O), SWMW-53(O), SWMW-33(O), SWMW-32(O), SWMW-31(O), SWMW-17(B), ITMW-02(B), ITMW-03(B), SWMW-39(B), SWMW-16(B), SWMW-104(B), SWMW-105(B), SWMW-13(B), ITMW-04(B), SWMW-07(B), SWMW-106(B), SWMW-69(O), SWMW-70(B), SWMW-119(B), SWMW-67(O), SWMW-68(B), SWMW-56(B), SWMW-15(O), SWMW-110(B), SWMW-12(B), SWMW-108(B), SWMW-58(O), SWMW-66(B), SWMW-111(B), ITMW-06(B), ITMW-5(O), SWMW-103(B), SWMW-126(B), SWMW-122(B), SWMW-107(B), SWMW-112(B), SWMW-109(B), SWMW-11(B), SWMW-43(B), ITMW-08(B), SWMW-14(B), SWMW-113(O), SWMW-62(O), SWMW-41(B), SWMW-131(B), SWMW-132(S)(B), SWMW-132(D)(B)

TF-5

Analyte	4/28/2021	10/8/2021
1,1-DCA	0.500 U	0.500 U
c-1,2-DCE	0.500 U J	0.500 U
t-1,2-DCE	0.500 U J	0.500 U
Benzo[a]anthracene	*0.0500 U*	*0.0500 U*
Benzo[a]pyrene	*0.0500 U*	*0.0500 U*
Benzo(b)fluoranthene	*0.0500 U*	*0.0500 U*
Benzo[k]fluoranthene	*0.0500 U*	*0.0500 U*
Chrysene	*0.0500 U*	*0.0500 U*
Dibenz(a,h)anthracene	*0.0500 U*	*0.0500 U*
Hexachlorobutadiene	*10.0 U*	*10.0 U*
TCE	0.500 U	0.500 U
Indeno(1,2,3-cd)Pyrene	*0.0500 U*	*0.0500 U*

TF-23

Analyte	4/28/2021	10/8/2021
1,1-DCA	0.500 U	0.500 U
c-1,2-DCE	0.500 U J	0.500 U
t-1,2-DCE	0.500 U J	0.500 U
Benzo[a]anthracene	*0.0500 U*	*0.0500 U*
Benzo[a]pyrene	*0.0500 U*	*0.0500 U*
Benzo(b)fluoranthene	*0.0500 U*	*0.0500 U*
Benzo[k]fluoranthene	*0.0500 U*	*0.0500 U*
Chrysene	*0.0500 U*	*0.0500 U*
Dibenz(a,h)anthracene	*0.0500 U*	*0.0500 U*
Hexachlorobutadiene	*10.0 U*	*10.0 U*
TCE	0.500 U	0.500 U
Indeno(1,2,3-cd)Pyrene	*0.0500 U*	*0.0500 U*

SAMPLE IDENTIFICATION		
Analyte	NY TOGS Class GA Criteria	USEPA Tapwater RSL 2019 Standard
1,1-DCA = 1,1-dichloroethane	5.0	--
c-1,2-DCE = cis-1,2-dichloroethene	5.0	--
t-1,2-DCE = trans-1,2-dichloroethene	5.0	--
TCE = Trichloroethene	5.0	--
Hexachlorobutadiene	0.5	--
Benzo(b)fluoranthene	0.002	--
Chrysene	0.002	--
Indeno(1,2,3-cd)pyrene	0.002	--
Benzo[a]anthracene	0.002	--
Benzo[a]pyrene	--	0.03
Benzo[k]fluoranthene	0.002	--
Dibenz(a,h)anthracene	--	0.03

LEGEND:

- PROPERTY LINE
- AREA BOUNDARY LINE
- (O) MONITORING WELL - OVERBURDEN
- (B) MONITORING WELL - BEDROCK
- FORMER WASHINGTON AVENUE TANK FARM PARCEL
- MONITORING WELLS SAMPLED IN 2021

NOTES:

1. ALL UNITS REPORTED IN $\mu g/L$
2. ITALICS REPRESENT NON DETECTS RESULTS WHERE THE METHOD REPORTING LIMIT (REPORTING LIMIT) WAS ABOVE THE APPLICABLE GROUNDWATER STANDARD.
3. U = INDICATES THE ANALYTE WAS ANALYZED FOR BUT NOT DETECTED
4. ALL DATA PRESENTED ARE KEY CONSTITUENTS FOR THE APRIL AND OCTOBER 2021 GROUNDWATER MONITORING EVENTS.
5. J = RESULT IS LESS THAN REPORTING LIMIT, BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT AND THE CONCENTRATION IS AN APPROXIMATE VALUE
6. SWMW = SITEWIDE MONITORING WELL
7. ITMW = IT CORPORATION MONITORING WELL
8. TF = TANK FARM MONITORING WELL
9. UNKW = UNKNOWN MONITORING WELL
10. NY TOGS = NEW YORK TECHNICAL AND OPERATIONAL GUIDANCE SERIES
11. USEPA= UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
12. RSL = REGIONAL SCREENING LEVEL
13. -- = NOT AVAILABLE OR NOT ANALYZED

SOURCE:

1. BASEMAP PROVIDED BY PARSONS COMMERCIAL TECHNOLOGY GROUP, SURVEYED BY BADEY & WATSON, SURVEY & ENGINEERING, P.C. THE MERIDIAN AND COORDINATE VALUES HEREON REFER TO THE NEW YORK STATE COORDINATE SYSTEM, EAST ZONE NAD83, EXPRESSED IN FEET.
2. WELL AND BORING ELEVATIONS ARE REFERENCED TO A SITE VERTICAL DATUM ESTABLISHED BY TEXACO IN 1957, HEREINAFTER REFERRED TO AS THE TEXACO DATUM, THIS DATUM IS 1.07' BELOW NAVD 1988.

0 200' 400'
GRAPHIC SCALE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER TEXACO BEACON RESEARCH CENTER
BEACON, NEW YORK
2021 ORDER ON CONSENT GROUNDWATER MONITORING REPORT

OU-1C 2021 GROUNDWATER ANALYTICAL RESULTS

ARCADIS

FIGURE 7

MATCHLINE: SOUTH OF CREEK

DENSE VEGETATION

DC-2		
Analyte	**4/27/2021**	**10/6/2021**
1,1-DCA	0.500 U	0.500 U
c-1,2-DCE	0.500 U J	0.500 U
t-1,2-DCE	0.500 U J	0.500 U
TCE	0.500 U	0.234
Hexachlorobutadiene	*10.0 U*	*10.0 U*
Benzo(a)anthracene	*0.0500 U*	**0.211**
Benzo(a)pyrene	*0.0500 U*	**0.105**
Benzo(b)fluoranthene	*0.0500 U*	**0.0792**
Benzo(k)fluoranthene	*0.0500 U*	**0.0333 J**
Dibenz(a,h)anthracene	*0.0500 U*	**0.0176 J**
Chrysene	*0.0500 U*	**0.156**
Indeno(1,2,3-cd)Pyrene	*0.0500 U*	**0.0484 J**

SAMPLE IDENTIFICATION		
Analyte	NY TOGS Class GA Standard	USEPA Tapwater RSL 2019 Standard
1,1-DCA = 1,1-dichloroethane	5.0	--
c-1,2-DCE = cis-1,2-dichloroethene	5.0	--
t-1,2-DCE = trans-1,2-dichloroethene	5.0	--
TCE = Trichloroethene	5.0	--
Hexachlorobutadiene	0.5	--
1,4-Dioxane	--	0.46
Benzo(a)anthracene	0.002	--
Benzo(b)fluoranthene	0.002	--
Benzo(a)pyrene	--	0.03
Benzo(k)fluoranthene	0.002	--
Chrysene	0.002	--
Dibenz (a,h)anthracene	--	0.025
Indeno(1,2,3-cd)pyrene	0.002	--

DC-1		
Analyte	**4/27/2021**	**10/6/2021**
1,1-DCA	0.123	0.500 U
c-1,2-DCE	2.78	3.02
t-1,2-DCE	0.500 U J	0.500 U
TCE	**6.38**	**7.17**
Hexachlorobutadiene	0.426	0.316
Benzo(a)anthracene	*0.0500 U*	**0.0378 J**
Benzo(b)fluoranthene	*0.0500 U*	*0.0500 U*
Chrysene	*0.0500 U*	**0.0246 J**
Indeno(1,2,3-cd)Pyrene	*0.0500 U*	*0.0500 U*

DB-8A		
Analyte	**4/27/2021**	**10/6/2021**
1,1-DCA	0.500 U	0.500 U
c-1,2-DCE	0.915	0.500 U
t-1,2-DCE	0.500 U J	0.500 U
TCE	**7.02**	2.71
Hexachlorobutadiene	**1.47 J**	**1.59 J**
1,4-Dioxane	**1.33**	**1.43**
Benzo(b)fluoranthene	*0.0500 U*	*0.0500 U*
Chrysene	*0.0500 U*	*0.0500 U*
Indeno(1,2,3-cd)Pyrene	*0.0500 U*	*0.0500 U*

DB-17		
Analyte	**4/28/2021**	**10/6/2021**
1,1-DCA	0.500 U	0.500 U
c-1,2-DCE	0.500 U J	0.500 U
t-1,2-DCE	0.500 U J	0.500 U
TCE	0.500 U	0.500 U
Hexachlorobutadiene	*10.0 U*	*10.0 U*
1,4-Dioxane	0.400 U	0.400 U
Benzo(b)fluoranthene	*0.0500 U*	*0.0500 U*
Chrysene	*0.0500 U*	*0.0500 U*
Indeno(1,2,3-cd)Pyrene	*0.0500 U*	*0.0500 U*

OS-3		
Analyte	**4/27/2021**	**10/7/2021**
1,1-DCA	0.500 U	0.500 U
c-1,2-DCE	0.500 U J	0.500 U
t-1,2-DCE	0.500 U J	0.500 U
TCE	0.500 U	0.500 U
Hexachlorobutadiene	*10.0 U*	*10.0 U*
Benzo(b)fluoranthene	*0.0500 U*	*0.0500 U*
Chrysene	*0.0500 U*	*0.0500 U*
Indeno(1,2,3-cd)Pyrene	*0.0500 U*	*0.0500 U*

OR-3		
Analyte	**4/27/2021**	**10/7/2021**
1,1-DCA	0.500 U	0.500 U
c-1,2-DCE	0.500 U J	0.500 U
t-1,2-DCE	0.500 U J	0.500 U
TCE	0.500 U	0.500 U
Hexachlorobutadiene	*10.0 U*	*10.0 U*
Benzo(a)anthracene	**0.0500 J**	*0.0500 UJ*
Benzo(a)pyrene	**0.0622**	*0.0500 UJ*
Benzo(b)fluoranthene	**0.100**	**0.0203 J**
Benzo(k)fluoranthene	**0.0404 J**	*0.0500 U J*
Chrysene	**0.0724**	*0.0500 U J*
Indeno(1,2,3-cd)Pyrene	**0.0698**	*0.0500 U J*

OR-2		
Analyte	**4/26/2021**	**10/7/2021**
1,1-DCA	0.340 J	0.238 J [0.262 J]
c-1,2-DCE	0.500 U	0.500 U [0.500 U]
t-1,2-DCE	0.500 U	0.500 U [0.500 U]
TCE	0.500 U	0.500 U [0.500 U]
Hexachlorobutadiene	*10.0 U*	*10.0 U [10.0 U]*
Benzo(a)anthracene	*0.0500 U*	**0.0413 J [0.0537]**
Benzo(a)pyrene	*0.0500 U*	**0.0353 J [0.0509]**
Benzo(b)fluoranthene	*0.0500 U*	**0.0586 [0.0672]**
Benzo(k)fluoranthene	*0.0500 U*	**0.0202 J [0.0257 J]**
Chrysene	*0.0500 U*	**0.0511 [0.0630]**
Indeno(1,2,3-cd)Pyrene	*0.0500 U*	**0.0388 J [0.0436 J]**

OS-2		
Analyte	**4/26/2021**	**10/7/2021**
1,1-DCA	0.500 U [0.500 U]	0.500 U
c-1,2-DCE	0.500 U J [0.500 U J]	0.500 U
t-1,2-DCE	0.500 U J [0.500 U J]	0.500 U
TCE	0.500 U [0.500 U]	0.500 U
Hexachlorobutadiene	*10.0 U [10.0 U]*	*10.0 U*
Benzo(b)fluoranthene	*0.0500 U [0.0500 U]*	*0.0500 U*
Chrysene	*0.0500 U [0.0500 U]*	*0.0500 U*
Indeno(1,2,3-cd)Pyrene	*0.0500 U [0.0500 U]*	*0.0500 U*

DC-2(O)
DC-1(O)
DB-8A(O)
DB-17(O)
OS-3(O)
OR-3(B)
OR-2(B)
OS-2(O)

OU-1E

TENNIS COURTS
HENRY STREET
BELVEDERE ROAD
TRIBUTARY TO FISHKILL CREEK
Pool

LEGEND:

- PROPERTY LINE
- AREA BOUNDARY LINE
- (O) MONITORING WELL - OVERBURDEN
- (B) MONITORING WELL - BEDROCK
- OU-1E THE BACK 93 ACRE PARCEL
- MONITORING WELLS SAMPLED IN 2021

NOTES:

1. ALL UNITS REPORTED IN µg/L.
2. BOLDED RESULTS INDICATE A CONCENTRATION GREATER THAN GROUNDWATER STANDARDS.
3. ITALICS REPRESENT NON DETECTS RESULTS WHERE THE METHOD REPORTING LIMIT (REPORTING LIMIT) WAS ABOVE THE APPLICABLE GROUNDWATER STANDARD.
4. U = INDICATES THE ANALYTE WAS ANALYZED FOR BUT NOT DETECTED.
5. J = RESULT IS LESS THAN REPORTING LIMIT, BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT AND THE CONCENTRATION IS AN APPROXIMATE VALUE.
6. DATA PRESENTED ARE KEY CONSTITUENTS FOR THE APRIL AND OCTOBER 2021 GROUNDWATER MONITORING EVENTS.
7. 1,4-DIOXANE WAS ONLY ANALYZED IN MONITORING WELLS DB-8A AND DB-17 IN 2021.
8. -- = NOT AVAILABLE OR NOT ANALYZED.
9. USEPA = UNITED STATES ENVIRONMENTAL PROTECTION AGENCY.
10. RSL = REGIONAL SCREENING LEVELS.
11. NY TOGS = NEW YORK TECHNICAL AND OPERATIONAL GUIDANCE SERIES.
12 NUMBERS IN BRACKETS REPRESENT DUPLICATE RESULTS.

SOURCE:

1. BASEMAP PROVIDED BY PARSONS COMMERCIAL TECHNOLOGY GROUP, SURVEYED BY BADEY & WATSON, SURVEY & ENGINEERING, P.C. THE MERIDIAN AND COORDINATE VALUES HEREON REFER TO THE NEW YORK STATE COORDINATE SYSTEM, EAST ZONE NAD83, EXPRESSED IN FEET.
2. WELL AND BORING ELEVATIONS ARE REFERENCED TO A SITE VERTICAL DATUM ESTABLISHED BY TEXACO IN 1957, HEREINAFTER REFERRED TO AS THE TEXACO DATUM, THIS DATUM IS 1.07' BELOW NAVD 1988.

0 200' 400'

GRAPHIC SCALE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER TEXACO BEACON RESEARCH CENTER
BEACON, NEW YORK
2021 ORDER ON CONSENT
GROUNDWATER MONITORING REPORT

OU-1E 2021 GROUNDWATER ANALYTICAL RESULTS

ARCADIS

FIGURE 8

CITY:CRANBURY-NJ DIV/GROUP:IMDV-ENVCAD DB:JMEYER LD:JMEYER PIC:(Opt) PM:EMEYER TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\jmeyer\ACCDocs\Arcadis\AUS-CHEVRON-FORMER TEXACO-BEACON New York\Project Files\2022\01-In Progress\01-DWG\OOC-F08-OU1E GW ANALYTICAL RESULTS.dwg LAYOUT: 8 SAVED: 5/27/2022 10:26 AM ACADVER: 24.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ----
PLOTTED: 5/27/2022 10:26 AM BY: MEYER, JULIE
XREFS: ---- IMAGES: ----

Appendix A

Groundwater Sampling Logs

Chevron Groundwater Sampling Form

ARCADIS Design & Consultancy for natural and built assets

Project Number	30064362	**Well ID**	DB-17	**Date**	4/28/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Cloudy	**Sampled by**	Kirk Vargas
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to 222.7	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	8	**Total Depth (ft-bmp)**	9.2	**Water Column (ft)**	1.20	**Gallons in Well**	0.19
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Sample Method**			Grab
Sample Time	10:20	**Well Volumes Purged**	3.16	**Sample ID**	DB-17-W-210428	**Evacuation Equipment**	Submersible
Purge Start	10:09	**Gallons Purged**	0.60	**Duplicate ID**	--		
Purge End	10:14	**Total Purge Time (h:m)**	0:5				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	0.2	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	8	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	0.6

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
10:09	0.6	8.00	7.51	0.257	29.1	0.67	12.42	116.7	Clear	None
10:11	0.6	8.00	7.18	240	2.1	0.60	10.75	129.7	Clear	None
10:13	0.6	8.00	7.10	0.241	0.60	0.60	10.68	132.6	Clear	None
10:14	0.6	8.00	7.06	0.240	0.60	0.59	11.40	135.6	Clear	None

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: DB-17-W-210428 Sample Time: 10:20 Sample Depth (ft-bmp): 8.5

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS Design & Consultancy for natural and built assets

Project Number	30064362	**Well ID**	DB-8A	**Date**	4/27/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Clear	**Sampled by**	Milton Winrow
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	5 to 15	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	6.76	**Total Depth (ft-bmp)**	16.55	**Water Column (ft)**	9.79	**Gallons in Well**	1.59
Water Quality Meter Make/Model	YSI Pro Plus	**Purge Method**	Volumetric	**Sample Method**			Grab
Sample Time	12:40	**Well Volumes Purged**	3.77	**Sample ID**	DB-8A-210427	**Evacuation Equipment**	Peristaltic
Purge Start	12:14	**Gallons Purged**	6.00	**Duplicate ID**	--		
Purge End	12:34	**Total Purge Time (h:m)**	0:20				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	0.25	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	6.98	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	Other	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	6

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
12:14	6	6.95	7.60	0.487	16.4	3.91	11.63	74.3	Clear	--
12:20	6	6.96	7.27	0.425	3.5	4.23	10.18	79.3	Clear	--
12:26	6	6.98	7.09	0.406	2.3	4.15	9.91	81.6	Clear	--
12:32	6	6.98	6.93	0.402	2.1	4.06	9.75	88	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: DB-8A-210427 Sample Time: 12:40 Sample Depth (ft-bmp): 14

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS Design & Consultancy for natural and built assets

Project Number	30064362	**Well ID**	DC-1	**Date**	4/27/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Cloudy	**Sampled by**	Kirk Vargas
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	5.3 to 15.3	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	3.55	**Total Depth (ft-bmp)**	6.5	**Water Column (ft)**	2.95	**Gallons in Well**	0.48
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Sample Method**		Grab	
Sample Time	14:41	**Well Volumes Purged**	3.13	**Sample ID**	DC-1-W-210427	**Evacuation Equipment**	Submersible
Purge Start	14:16	**Gallons Purged**	1.50	**Duplicate ID**	--		
Purge End	14:39	**Total Purge Time (h:m)**	0:23				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	0.25	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	4.82	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	1.5

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
14:16	1.5	3.63	7.79	0.656	8.5	0.60	15.17	58.6	Clear	None
14:23	1.5	3.63	7.96	0.645	4.5	0.56	14.11	61.6	Clear	None
14:35	1.5	430.00	7.10	0.643	13.6	0.41	10.15	69.1	Clear	None
14:39	1.5	4.82	7.10	0.639	8.9	0.39	10.40	70.4	Clear	None

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: DC-1-W-210427 Sample Time: 14:41 Sample Depth (ft-bmp): 6

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS Design & Consultancy for natural and built assets

Project Number	30064362	**Well ID**	DC-2	**Date**	4/27/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Clear	**Sampled by**	Milton Winrow
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	9.1 to 19.1	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	3.1	**Total Depth (ft-bmp)**	15	**Water Column (ft)**	11.90	**Gallons in Well**	1.93
Water Quality Meter Make/Model	YSI Pro Plus	**Purge Method**	Volumetric	**Sample Method**		Grab	
Sample Time	14:05	**Well Volumes Purged**	3.11	**Sample ID**	DC-2-W-210427	**Evacuation Equipment**	Peristaltic
Purge Start	13:23	**Gallons Purged**	6.00	**Duplicate ID**	--		
Purge End	13:56	**Total Purge Time (h:m)**	0:33				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	0.25	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	5	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	Other	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	6

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
13:24	6	4.85	7.36	0.305	125	6.09	11.51	109.3	Clear	--
13:33	6	5.93	7.13	0.277	27.7	6.43	10.30	98	Clear	--
13:43	6	5.50	7.10	0.270	9.1	6.95	10.61	98.2	Clear	--
13:55	6	5.00	7.00	0.266	5.7	7.54	10.68	102.5	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: DC-2-W-210427 Sample Time: 14:05 Sample Depth (ft-bmp): 13

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS Design & Consultancy for natural and built assets

Project Number	30064362	**Well ID**	OR-2	**Date**	4/26/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Cloudy	**Sampled by**	Kirk Vargas
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	26 to 46	**Casing Diameter (in.)**	4	**Well Casing Material**	--
Static Water Level (ft-bmp)	7.57	**Total Depth (ft-bmp)**	42	**Water Column (ft)**	34.43	**Gallons in Well**	22.38
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Sample Method**		Grab	
Sample Time	13:03	**Well Volumes Purged**	3.00	**Sample ID**	OR-2-W-210426	**Evacuation Equipment**	Submersible
Purge Start	11:50	**Gallons Purged**	67.10	**Duplicate ID**	--		
Purge End	12:59	**Total Purge Time (h:m)**	1:9				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	1	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	13.77	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	67.1

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:50	67.1	8.40	7.50	0.477	19.5	0.15	11.34	148.6	Clear	None
12:12	67.1	12.59	7.37	0.595	0.90	0.04	11.62	-72.9	Clear	None
12:34	67.1	13.09	7.38	0.609	0.00	0.03	11.74	-76.6	Clear	None
12:59	67.1	13.77	7.33	0.607	0.00	0.03	11.76	-79	Clear	None

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: OR-2-W-210426 Sample Time: 13:03 Sample Depth (ft-bmp): 37

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS Design & Consultancy for natural and built assets

Project Number	30064362	**Well ID**	OR-3	**Date**	4/27/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Cloudy	**Sampled by**	Kirk Vargas
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	65.5 to 75.5	**Casing Diameter (in.)**	4	**Well Casing Material**	--
Static Water Level (ft-bmp)	24	**Total Depth (ft-bmp)**	75	**Water Column (ft)**	51.00	**Gallons in Well**	33.15
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Sample Method**		Grab	
Sample Time	10:57	**Well Volumes Purged**	3.08	**Sample ID**	OR-3-W-210427	**Evacuation Equipment**	Submersible
Purge Start	09:00	**Gallons Purged**	102.00	**Duplicate ID**	--		
Purge End	10:55	**Total Purge Time (h:m)**	1:55				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	1.5	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	26.3	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	102

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
09:03	102	24.50	7.71	0.678	47.3	0.06	10.64	20.7	Clear	None
09:28	102	25.64	7.66	0.581	61.2	0.04	10.89	-103.9	Clear	None
10:12	102	26.25	7.72	0.591	33.9	0.23	10.73	-16.4	Clear	None
10:55	102	26.30	7.65	0.579	5.4	0.02	10.67	-125.6	Clear	None

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: OR-3-W-210427 Sample Time: 10:57 Sample Depth (ft-bmp): 70

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS Design & Consultancy for natural and built assets

Project Number	30064362	**Well ID**	OS-2	**Date**	4/26/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Clear	**Sampled by**	Milton Winrow
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	6 to 16	**Casing Diameter (in.)**	4	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	5.95	**Total Depth (ft-bmp)**	15.35	**Water Column (ft)**	9.40	**Gallons in Well**	6.11
Water Quality Meter Make/Model	YSI Pro Plus	**Purge Method**	Volumetric	**Sample Method**			Grab
Sample Time	13:15	**Well Volumes Purged**	2.95	**Sample ID**	OS-2-W-210426	**Evacuation Equipment**	Peristaltic
Purge Start	11:50	**Gallons Purged**	18.00	**Duplicate ID**	BD-W-210426		
Purge End	13:11	**Total Purge Time (h:m)**	1:21				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	--	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	6	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	Other	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	18

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:50	18	6.00	8.00	0.643	4.6	5.20	11.24	30.1	Clear	--
12:25	18	6.00	7.10	0.385	2.4	5.84	10.86	62.5	Clear	--
12:10	18	6.00	7.40	0.429	3.7	5.59	11.25	46.2	Clear	--
13:09	18	6.00	7.08	0.381	2.5	5.18	10.99	87	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: OS-2-W-210426 Sample Time: 13:15 Sample Depth (ft-bmp): 12

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS Design & Consultancy for natural and built assets

Project Number	30064362	**Well ID**	OS-3	**Date**	4/27/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Clear	**Sampled by**	Milton Winrow
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	6 to 16	**Casing Diameter (in.)**	4	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	2.85	**Total Depth (ft-bmp)**	13.2	**Water Column (ft)**	10.35	**Gallons in Well**	6.73
Water Quality Meter Make/Model	YSI Pro Plus	**Purge Method**	Volumetric	**Sample Method**			Grab
Sample Time	10:05	**Well Volumes Purged**	3.12	**Sample ID**	OS-3-W-210427	**Evacuation Equipment**	Peristaltic
Purge Start	09:01	**Gallons Purged**	21.00	**Duplicate ID**	--		
Purge End	09:56	**Total Purge Time (h:m)**	0:55				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	0.25	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	2.89	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	Other	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	21

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
09:04	21	2.85	7.71	0.258	2.6	7.82	10.26	55.9	Clear	--
09:24	21	2.85	7.86	0.252	2.8	8.00	9.99	54.9	Clear	--
09:40	21	2.89	7.92	0.251	2.2	8.40	9.67	54.4	Clear	--
09:55	21	2.89	7.93	0.249	2.7	8.56	9.76	60.7	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: OS-3-W-210427 Sample Time: 10:05 Sample Depth (ft-bmp): 11

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS Design & Consultancy for natural and built assets

Project Number	30064362	**Well ID**	TF-23	**Date**	4/28/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Cloudy	**Sampled by**	Kirk Vargas
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	7 to 12	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	7.19	**Total Depth (ft-bmp)**	13	**Water Column (ft)**	5.81	**Gallons in Well**	0.94
Water Quality Meter Make/Model	YSI Pro Plus	**Purge Method**	Volumetric	**Sample Method**		Grab	
Sample Time	09:21	**Well Volumes Purged**	3.19	**Sample ID**	TF-23-W-210428	**Evacuation Equipment**	Submersible
Purge Start	08:55	**Gallons Purged**	3.00	**Duplicate ID**	--		
Purge End	09:19	**Total Purge Time (h:m)**	0:24				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	0.25	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	7.9	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	3

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
08:55	3	7.85	7.25	0.586	44.0	0.53	10.30	119.3	Clear	None
08:59	3	7.88	6.81	0.608	15.2	0.46	10.11	131.6	Clear	None
09:15	3	7.89	7.14	0.596	94.9	0.52	9.81	138	Clear	None
09:19	3	7.90	6.89	0.575	12.4	0.46	9.61	140.2	Clear	None

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: TF-23-W-210428 Sample Time: 09:21 Sample Depth (ft-bmp): 11

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS Design & Consultancy for natural and built assets

Project Number	30064362	**Well ID**	TF-5	**Date**	4/28/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Clear	**Sampled by**	Milton Winrow
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	7 to 10	**Casing Diameter (in.)**	2	**Well Casing Material**	PVC
Static Water Level (ft-bmp)	6.53	**Total Depth (ft-bmp)**	9.65	**Water Column (ft)**	3.12	**Gallons in Well**	0.51
Water Quality Meter Make/Model	YSI Pro Plus	**Purge Method**	Volumetric	**Sample Method**			Grab
Sample Time	09:15	**Well Volumes Purged**	3.00	**Sample ID**	TF-5-W-210428	**Evacuation Equipment**	Peristaltic
Purge Start	08:48	**Gallons Purged**	1.53	**Duplicate ID**	--		
Purge End	09:04	**Total Purge Time (h:m)**	0:16				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	0.25	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	6.95	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	Other	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	1.53

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
08:50	1.53	6.87	7.58	2.24	195	9.23	14.63	47.6	Clear	--
08:54	1.53	7.15	7.31	2.17	22.8	9.10	13.25	43	Clear	--
08:57	1.53	7.00	7.19	2.21	8.5	7.69	12.83	48.9	Clear	--
09:01	1.53	6.95	7.10	2.18	5.7	7.77	12.92	53.8	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: TF-5-W-210428 Sample Time: 09:15 Sample Depth (ft-bmp): 8

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	DB-17	**Date**	10/6/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Cloudy	**Sampled by**	Kirk Vargas
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	-- to 222.7	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	8.47	**Total Depth (ft-bmp)**	9.2	**Water Column (ft)**	0.73	**Gallons in Well**	0.12
Water Quality Meter Make/Model	YSI Pro Plus	**Purge Method**	Volumetric	**Sample Method**			Grab
Sample Time	12:45	**Well Volumes Purged**	3.00	**Sample ID**	DB-17-W-211006	**Evacuation Equipment**	Submersible
Purge Start	12:23	**Gallons Purged**	0.36	**Duplicate ID**	--		
Purge End	12:38	**Total Purge Time (h:m)**	0:15				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	0.12	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	8.5	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	0.36

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
12:23	0.36	8.47	7.14	0.439	81.5	5.44	15.68	128.1	Clear	--
12:27	0.36	8.49	6.94	0.428	119	5.54	15.30	131.1	Clear	--
12:31	0.36	8.49	6.93	0.427	196	5.61	15.05	133.05	Clear	--
12:38	0.36	8.50	6.92	0.428	188	5.93	14.83	135.6	Clear	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: DB-17-W-211006 Sample Time: 12:45 Sample Depth (ft-bmp): 8.95

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	DB-8A	**Date**	10/6/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Cloudy	**Sampled by**	Kirk Vargas
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	5 to 15	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	6.75	**Total Depth (ft-bmp)**	16.45	**Water Column (ft)**	9.70	**Gallons in Well**	1.58
Water Quality Meter Make/Model	YSI Pro Plus	**Purge Method**	Volumetric	**Sample Method**			Grab
Sample Time	11:40	**Well Volumes Purged**	3.80	**Sample ID**	DB-8A-W-211006	**Evacuation Equipment**	Submersible
Purge Start	11:25	**Gallons Purged**	6.00	**Duplicate ID**	--		
Purge End	11:37	**Total Purge Time (h:m)**	0:12				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	0.5	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	7.1	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	6

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:25	6	6.96	7.08	0.579	32.6	1.61	15.22	126.8	Clear	None
11:29	6	7.05	6.89	0.498	0.00	1.37	15.65	128	Clear	None
11:33	6	7.08	6.86	0.491	0.00	1.28	15.66	129	Clear	None
11:37	6	7.10	6.84	0.484	0.00	1.13	1.68	131.5	Clear	None

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: DB-8A-W-211006 Sample Time: 11:40 Sample Depth (ft-bmp): 15.45

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	DC-1	**Date**	10/6/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Clear	**Sampled by**	Shannon Torhan
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	5.3 to 15.3	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	3.15	**Total Depth (ft-bmp)**	5.92	**Water Column (ft)**	2.77	**Gallons in Well**	0.45
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Sample Method**			Grab
Sample Time	12:35	**Well Volumes Purged**	3.44	**Sample ID**	DC-1-W-211096	**Evacuation Equipment**	Submersible
Purge Start	12:07	**Gallons Purged**	1.55	**Duplicate ID**	--		
Purge End	12:24	**Total Purge Time (h:m)**	0:17				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	0.15	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	3.67	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	1.55

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
12:09	1.55	3.39	7.20	0.657	10.3	5.35	16.84	166.3	--	None
12:14	1.55	3.52	7.11	0.685	7.3	4.03	15.81	147.7	--	None
12:19	1.55	3.61	7.10	0.687	6.8	4.08	15.75	140.1	--	None
12:24	1.55	3.67	7.50	0.686	7.8	3.44	14.66	135.7	--	None

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: DC-1-W-211096 Sample Time: 12:35 Sample Depth (ft-bmp): 4

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	DC-2	**Date**	10/6/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Clear	**Sampled by**	Shannon Torhan
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	9.1 to 19.1	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	2.64	**Total Depth (ft-bmp)**	14.86	**Water Column (ft)**	12.22	**Gallons in Well**	1.99
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Sample Method**		Grab	
Sample Time	11:20	**Well Volumes Purged**	3.02	**Sample ID**	DC-2-W-211006	**Evacuation Equipment**	Submersible
Purge Start	10:52	**Gallons Purged**	6.00	**Duplicate ID**	--		
Purge End	11:16	**Total Purge Time (h:m)**	0:24				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	0.25	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	5.74	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	6

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
10:52	6	4.46	7.46	0.315	8.1	4.64	14.39	114.1	--	None
11:00	6	4.28	6.89	0.307	1.8	4.65	14.65	110.8	--	None
11:08	6	4.69	6.88	0.305	4.7	3.57	14.57	107.1	--	None
11:16	6	5.74	6.87	0.299	3.3	3.45	14.46	110	--	None

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: DC-2-W-211006 Sample Time: 11:20 Sample Depth (ft-bmp): 12

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	OR-2	**Date**	10/7/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Clear	**Sampled by**	Shannon Torhan
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	26 to 46	**Casing Diameter (in.)**	4	**Well Casing Material**	--
Static Water Level (ft-bmp)	7.32	**Total Depth (ft-bmp)**	40.58	**Water Column (ft)**	33.26	**Gallons in Well**	21.62
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Sample Method**		Grab	
Sample Time	12:25	**Well Volumes Purged**	3.05	**Sample ID**	OR-2-W-211007	**Evacuation Equipment**	Submersible
Purge Start	11:05	**Gallons Purged**	66.00	**Duplicate ID**	BD-W-211007		
Purge End	12:11	**Total Purge Time (h:m)**	1:6				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	1	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	11.98	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	66

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:05	66	7.70	7.13	0.555	13.0	2.53	12.46	-8.5	--	--
11:27	66	9.12	7.55	0.609	12.4	0.61	12.72	-103.6	--	--
11:49	66	9.45	7.50	0.634	11.4	0.11	13.34	-93.3	--	--
12:11	66	11.98	7.50	0.634	10.2	0.08	12.08	-95.8	--	--

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: OR-2-W-211007 Sample Time: 12:25 Sample Depth (ft-bmp): 40

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	OR-3	**Date**	10/7/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Cloudy	**Sampled by**	Kirk Vargas
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	65.5 to 75.5	**Casing Diameter (in.)**	4	**Well Casing Material**	--
Static Water Level (ft-bmp)	22.3	**Total Depth (ft-bmp)**	75	**Water Column (ft)**	52.70	**Gallons in Well**	34.25
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Sample Method**			Grab
Sample Time	12:15	**Well Volumes Purged**	3.15	**Sample ID**	OR-3-W-211007	**Evacuation Equipment**	Submersible
Purge Start	11:00	**Gallons Purged**	108.00	**Duplicate ID**	--		
Purge End	12:15	**Total Purge Time (h:m)**	1:15				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	1.5	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	26.59	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	108

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
11:00	108	23.20	7.68	0.611	0.00	1.20	10.44	-130	Clear	None
11:24	108	26.30	7.72	0.639	0.00	0.20	10.63	-153.5	Clear	None
11:48	108	26.51	7.72	0.638	0.00	0.19	10.63	-152.7	Clear	None
12:15	108	26.59	7.71	0.636	0.00	0.18	10.66	-151.4	Clear	None

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: OR-3-W-211007 Sample Time: 12:15 Sample Depth (ft-bmp): 70

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	OS-2	**Date**	10/7/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Clear	**Sampled by**	Shannon Torhan
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	6 to 16	**Casing Diameter (in.)**	4	**Well Casing Material**	--
Static Water Level (ft-bmp)	6.1	**Total Depth (ft-bmp)**	15.2	**Water Column (ft)**	9.10	**Gallons in Well**	5.91
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Sample Method**			Grab
Sample Time	13:20	**Well Volumes Purged**	3.05	**Sample ID**	OS-2-W-211007	**Evacuation Equipment**	Submersible
Purge Start	12:56	**Gallons Purged**	18.00	**Duplicate ID**	--		
Purge End	13:14	**Total Purge Time (h:m)**	0:18				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	1	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	6.16	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	18

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
12:56	18	6.20	7.32	0.313	7.8	0.52	16.89	158.7	--	None
12:02	18	6.13	6.47	0.303	4.4	0.36	17.31	140.5	--	None
13:08	18	6.15	6.44	0.301	3.5	0.36	17.44	149.9	--	None
13:14	18	6.16	6.44	0.301	4.0	0.37	17.54	158.2	--	None

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: OS-2-W-211007 Sample Time: 13:20 Sample Depth (ft-bmp): 13

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	OS-3	**Date**	10/7/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Cloudy	**Sampled by**	Kirk Vargas
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	6 to 16	**Casing Diameter (in.)**	4	**Well Casing Material**	--
Static Water Level (ft-bmp)	3.87	**Total Depth (ft-bmp)**	16	**Water Column (ft)**	12.13	**Gallons in Well**	7.88
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Sample Method**			Grab
Sample Time	13:24	**Well Volumes Purged**	3.05	**Sample ID**	OS-3-W-211007	**Evacuation Equipment**	Submersible
Purge Start	12:55	**Gallons Purged**	24.00	**Duplicate ID**	--		
Purge End	13:19	**Total Purge Time (h:m)**	0:24				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	1	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	4.08	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	24

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
12:55	24	3.92	8.17	0.291	0.00	9.24	10.22	58.5	Clear	None
13:03	24	3.88	7.92	0.288	0.00	8.97	10.12	108.7	Clear	None
13:11	24	4.04	7.90	0.289	0.00	8.84	10.11	115.1	Clear	None
13:19	24	4.08	7.89	0.288	0.00	8.81	10.13	116	Clear	None

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: OS-3-W-211007 Sample Time: 13:24 Sample Depth (ft-bmp): 11

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	TF-23	**Date**	10/8/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Cloudy	**Sampled by**	Kirk Vargas
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	7 to 12	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	7.23	**Total Depth (ft-bmp)**	13	**Water Column (ft)**	5.77	**Gallons in Well**	0.94
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Sample Method**		Grab	
Sample Time	08:40	**Well Volumes Purged**	3.19	**Sample ID**	TF-23-W-211008	**Evacuation Equipment**	Submersible
Purge Start	08:30	**Gallons Purged**	3.00	**Duplicate ID**	--		
Purge End	08:36	**Total Purge Time (h:m)**	0:6				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	0.5	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	8.13	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	3

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
08:30	3	8.12	6.75	0.768	103	2.46	14.88	175.2	Clear	None
08:32	3	8.13	6.61	0.761	8.3	1.72	15.13	175.2	Clear	None
08:34	3	--	8.13	0.756	1.2	1.55	15.15	173.5	Clear	None
08:36	3	8.13	6.61	0.742	0.00	1.50	15.18	172.7	Clear	None

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: TF-23-W-211008 Sample Time: 08:40 Sample Depth (ft-bmp): 11

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	TF-5	**Date**	10/8/2021		
Site Location	Beacon, New York	**Site ID**	PMG00037	**Weather (°F)**	Clear	**Sampled by**	Shannon Torhan
Measuring Point Description	Top of Casing	**Screen Depth Interval (ft-bmp)**	7 to 10	**Casing Diameter (in.)**	2	**Well Casing Material**	--
Static Water Level (ft-bmp)	6.61	**Total Depth (ft-bmp)**	9.69	**Water Column (ft)**	3.08	**Gallons in Well**	0.5
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Sample Method**		Grab	
Sample Time	09:10	**Well Volumes Purged**	3.00	**Sample ID**	TF-5-W-211008	**Evacuation Equipment**	Submersible
Purge Start	08:32	**Gallons Purged**	1.50	**Duplicate ID**	--		
Purge End	09:02	**Total Purge Time (h:m)**	0:30				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	0.05	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	6.63	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	no	**Total Gallons Purged:**	1.5

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
08:32	1.5	6.64	6.53	3.99	36.7	1.94	18.49	188.9	--	None
08:42	1.5	6.69	6.61	3.96	5.2	1.61	19.78	161.8	--	None
08:52	1.5	6.63	6.62	3.86	1.9	1.78	19.74	165	--	None
09:02	1.5	6.63	6.62	3.84	1.3	1.81	19.79	170.3	--	None

Comments: None

Well Casing Volume Conversion

Well diameter (in.) = gallons per foot
1 = 0.04 1.5 = 0.09 2.5 = 0.26 3.5 = 0.50 6 = 1.47
1.25 = 0.06 2 = 0.16 3 = 0.37 4 = 0.65

Sample Information

Sample ID: TF-5-W-211008 Sample Time: 09:10 Sample Depth (ft-bmp): 7

Analytes and Methods: See Chain-of-Custody.

ft-bmp = feet below measuring point
in. = inches
ft = feet
mL/min = milliliters per minute

mS/cm = milliSiemens per centimeter
NTU = Nephelometric Turbidity Unit
mg/L = milligrams per liter
PVC = Polyvinyl Chloride

mV = millivolts
°F = degrees Fahrenheit
°C = degrees Celsius
-- = Not Recorded

Appendix B

Laboratory Reports and Electronic Data Deliverables Submittals

ANALYTICAL REPORT

May 22, 2021

Revised Report

Arcadis - Chevron - NY

Sample Delivery Group:	L1345719
Samples Received:	04/29/2021
Project Number:	30064362.19.45
Description:	Pod 4 - Beacon PMG00037
Site:	PMG00037
Report To:	Ryan Merrell 4 Dwight Park Drive Syracuse, NY 13209

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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OS-2-W-210426 L1345719-01 GW

Collected by: KV/MW | Collected date/time: 04/26/21 13:15 | Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1668033	1	05/14/21 08:14	05/14/21 11:51	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1662803	1	05/02/21 12:48	05/02/21 12:48	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1662731	1	05/02/21 19:20	05/02/21 19:20	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1662887	1	05/02/21 16:42	05/03/21 19:26	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1662887	1	05/02/21 16:42	05/04/21 05:23	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1661791	1	04/30/21 12:42	05/01/21 02:08	AMG	Mt. Juliet, TN

OS-3-W-210427 L1345719-02 GW

Collected by: KV/MW | Collected date/time: 04/27/21 10:05 | Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1668033	1	05/14/21 08:14	05/14/21 11:55	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1662803	1	05/02/21 13:12	05/02/21 13:12	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1662731	1	05/02/21 19:40	05/02/21 19:40	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/03/21 15:46	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/04/21 01:47	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1662886	1	05/03/21 14:06	05/03/21 22:13	AAT	Mt. Juliet, TN

OR-2-W-210426 L1345719-03 GW

Collected by: KV/MW | Collected date/time: 04/26/21 13:03 | Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1668033	1	05/14/21 08:14	05/14/21 11:31	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1662803	1	05/02/21 13:35	05/02/21 13:35	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1662731	1	05/02/21 20:01	05/02/21 20:01	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1662887	1	05/02/21 16:42	05/03/21 19:48	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1662887	1	05/02/21 16:42	05/04/21 05:45	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1661791	1	04/30/21 12:42	05/01/21 02:28	AMG	Mt. Juliet, TN

OR-3-W-210427 L1345719-04 GW

Collected by: KV/MW | Collected date/time: 04/27/21 10:57 | Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1668033	1	05/14/21 08:14	05/14/21 12:25	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1662803	1	05/02/21 13:59	05/02/21 13:59	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1662731	1	05/02/21 20:21	05/02/21 20:21	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/03/21 19:05	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/04/21 05:02	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1662886	1	05/03/21 14:06	05/03/21 22:28	AAT	Mt. Juliet, TN

DB-17-W-210428 L1345719-05 GW

Collected by: KV/MW | Collected date/time: 04/28/21 10:20 | Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1668033	1	05/14/21 08:14	05/14/21 12:29	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1662803	1	05/02/21 14:23	05/02/21 14:23	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1662731	1	05/02/21 20:41	05/02/21 20:41	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod	WG1662878	1	05/03/21 01:53	05/03/21 20:45	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/03/21 16:08	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/04/21 02:08	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1663668	1	05/04/21 00:48	05/04/21 09:49	LEA	Mt. Juliet, TN

DB-8A-W-210427 L1345719-06 GW

Collected by: KV/MW | Collected date/time: 04/27/21 12:40 | Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1668033	1	05/14/21 08:14	05/14/21 12:32	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1662803	1	05/02/21 14:46	05/02/21 14:46	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1662731	1	05/02/21 21:02	05/02/21 21:02	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod	WG1661440	1	05/02/21 09:13	05/02/21 22:28	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/03/21 16:30	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/04/21 02:30	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1662886	1	05/03/21 14:06	05/03/21 22:43	AAT	Mt. Juliet, TN

DC-2-W-210427 L1345719-07 GW

Collected by: KV/MW | Collected date/time: 04/27/21 14:05 | Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1668033	1	05/14/21 08:14	05/14/21 13:13	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1662803	1	05/02/21 15:10	05/02/21 15:10	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1662731	1	05/02/21 21:22	05/02/21 21:22	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/03/21 16:52	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/04/21 02:52	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1662886	1	05/03/21 14:06	05/03/21 22:58	AAT	Mt. Juliet, TN

DC-1-W-210427 L1345719-08 GW

Collected by: KV/MW | Collected date/time: 04/27/21 14:41 | Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1668033	1	05/14/21 08:14	05/14/21 13:17	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1662803	1	05/02/21 17:55	05/02/21 17:55	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1662731	1	05/02/21 21:42	05/02/21 21:42	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/03/21 17:15	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/04/21 03:13	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1662886	1	05/03/21 14:06	05/03/21 23:13	AAT	Mt. Juliet, TN

TF-23-W-210428 L1345719-09 GW

Collected by: KV/MW | Collected date/time: 04/28/21 09:21 | Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1668033	1	05/14/21 08:14	05/14/21 13:20	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1662803	1	05/02/21 15:34	05/02/21 15:34	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1662731	1	05/02/21 22:03	05/02/21 22:03	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/03/21 17:37	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/04/21 03:35	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1663668	1	05/04/21 00:48	05/04/21 09:58	LEA	Mt. Juliet, TN

TF-5-W-210428 L1345719-10 GW

Collected by: KV/MW | Collected date/time: 04/28/21 09:15 | Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1668033	1	05/14/21 08:14	05/14/21 13:23	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1662803	1	05/02/21 15:57	05/02/21 15:57	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1662731	1	05/02/21 22:23	05/02/21 22:23	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/03/21 17:59	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/04/21 03:57	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1663668	1	05/04/21 00:48	05/04/21 10:07	LEA	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

BD-W-210426 L1345719-11 GW

Collected by: KV/MW | Collected date/time: 04/26/21 00:00 | Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1668033	1	05/14/21 08:14	05/14/21 13:27	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1662803	1	05/02/21 16:21	05/02/21 16:21	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1662731	1	05/02/21 22:43	05/02/21 22:43	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1662887	1	05/02/21 16:42	05/04/21 06:07	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1661791	1	04/30/21 12:42	05/01/21 03:28	AMG	Mt. Juliet, TN

FB-W-210426 L1345719-12 GW

Collected by: KV/MW | Collected date/time: 04/26/21 14:30 | Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1668033	1	05/14/21 08:14	05/14/21 13:30	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1662803	1	05/02/21 16:44	05/02/21 16:44	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1662731	1	05/02/21 17:07	05/02/21 17:07	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1662887	1	05/02/21 16:42	05/04/21 06:28	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1661791	1	04/30/21 12:42	05/01/21 03:48	AMG	Mt. Juliet, TN

FB-W-210427 L1345719-13 GW

Collected by: KV/MW | Collected date/time: 04/27/21 15:00 | Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1668033	1	05/14/21 08:14	05/14/21 13:33	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1662803	1	05/02/21 17:08	05/02/21 17:08	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1663036	1	05/03/21 01:28	05/03/21 01:28	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/03/21 18:21	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/04/21 04:18	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1662886	1	05/03/21 14:06	05/03/21 23:28	AAT	Mt. Juliet, TN

FB-W-210428 L1345719-14 GW

Collected by: KV/MW | Collected date/time: 04/28/21 11:30 | Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1668033	1	05/14/21 08:14	05/14/21 13:37	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1662803	1	05/02/21 17:31	05/02/21 17:31	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1663036	1	05/03/21 01:47	05/03/21 01:47	JHH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/03/21 18:43	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1663049	1	05/03/21 01:48	05/04/21 04:40	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1663668	1	05/04/21 00:48	05/04/21 10:16	LEA	Mt. Juliet, TN

TB-W-210426 L1345719-15 GW

Collected by: KV/MW | Collected date/time: 04/26/21 00:00 | Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1663036	1	05/03/21 02:06	05/03/21 02:06	JHH	Mt. Juliet, TN

TB-W-210427 L1345719-16 GW

Collected by: KV/MW | Collected date/time: 04/27/21 00:00 | Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1663036	1	05/03/21 02:26	05/03/21 02:26	JHH	Mt. Juliet, TN

SAMPLE SUMMARY

TB-W-210428 L1345719-17 GW

Collected by: KV/MW
Collected date/time: 04/28/21 00:00
Received date/time: 04/29/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1663036	1	05/03/21 02:45	05/03/21 02:45	JHH	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

Report Revision History

Level II Report - Version 1: 05/20/21 19:37
Level II Report - Version 2: 05/20/21 19:40

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG1662731	L1345719-01	1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachloro-1,3-butadiene, n-Butylbenzene, Tetrachloroethene and Toluene
WG1662731	L1345719-02	1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachloro-1,3-butadiene, n-Butylbenzene, Tetrachloroethene and Toluene
WG1662731	L1345719-03	1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachloro-1,3-butadiene, n-Butylbenzene, Tetrachloroethene and Toluene
WG1662731	L1345719-04	1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachloro-1,3-butadiene, n-Butylbenzene, Tetrachloroethene and Toluene
WG1662731	L1345719-05	1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachloro-1,3-butadiene, n-Butylbenzene, Tetrachloroethene and Toluene
WG1662731	L1345719-06	1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachloro-1,3-butadiene, n-Butylbenzene, Tetrachloroethene and Toluene
WG1662731	L1345719-07	1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachloro-1,3-butadiene, n-Butylbenzene, Tetrachloroethene and Toluene
WG1662731	L1345719-08	1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachloro-1,3-butadiene, n-Butylbenzene, Tetrachloroethene and Toluene
WG1662731	L1345719-09	1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachloro-1,3-butadiene, n-Butylbenzene, Tetrachloroethene and Toluene
WG1662731	L1345719-10	1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachloro-1,3-butadiene, n-Butylbenzene, Tetrachloroethene and Toluene
WG1662731	L1345719-11	1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachloro-1,3-butadiene, n-Butylbenzene, Tetrachloroethene and Toluene
WG1662731	L1345719-12	1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachloro-1,3-butadiene, n-Butylbenzene, Tetrachloroethene and Toluene
WG1663036	L1345719-13	trans-1,4-Dichloro-2-butene
WG1663036	L1345719-14	trans-1,4-Dichloro-2-butene
WG1663036	L1345719-15	trans-1,4-Dichloro-2-butene
WG1663036	L1345719-16	trans-1,4-Dichloro-2-butene
WG1663036	L1345719-17	trans-1,4-Dichloro-2-butene

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG1662731	(LCS) R3649360-1, L1345719-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12	1,1,2-Trichlorotrifluoroethane and Toluene

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG1663036	(LCS) R3649735-1, L1345719-13, 14, 15, 16, 17	Dibromomethane and n-Hexane

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG1662731	(LCSD) R3649360-4, L1345719-01, 02, 04, 05, 06, 07, 08, 09, 10, 11, 12	25 analytes

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG1662803	(MS) R3649391-3, (MSD) R3649391-4, L1345719-03	1,2-Dibromo-3-chloropropane and 1,2-Dibromo-3-Chloropropane

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG1662731	(MS) R3649360-5, (MSD) R3649360-6, L1345719-03	2-Chloroethyl vinyl ether

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 11:51	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 12:48	WG1662803
Acetone	U		11.3	25.0	1	05/02/2021 19:20	WG1662731
Acrylonitrile	U		0.671	5.00	1	05/02/2021 19:20	WG1662731
Benzene	U		0.0941	0.500	1	05/02/2021 19:20	WG1662731
Bromobenzene	U		0.118	0.500	1	05/02/2021 19:20	WG1662731
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 19:20	WG1662731
Bromochloromethane	U		0.128	0.500	1	05/02/2021 19:20	WG1662731
Bromoform	U		0.129	0.500	1	05/02/2021 19:20	WG1662731
Bromomethane	U	J3	0.605	2.50	1	05/02/2021 19:20	WG1662731
n-Butylbenzene	U	C3 J3	0.157	0.500	1	05/02/2021 19:20	WG1662731
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 19:20	WG1662731
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 19:20	WG1662731
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 19:20	WG1662731
Carbon tetrachloride	U	J3	0.128	0.500	1	05/02/2021 19:20	WG1662731
Chlorobenzene	U		0.117	0.500	1	05/02/2021 19:20	WG1662731
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 19:20	WG1662731
Chloroethane	U		0.192	2.50	1	05/02/2021 19:20	WG1662731
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/02/2021 19:20	WG1662731
Chloroform	U		0.111	0.500	1	05/02/2021 19:20	WG1662731
Chloromethane	U	J3	0.960	1.25	1	05/02/2021 19:20	WG1662731
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 19:20	WG1662731
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 19:20	WG1662731
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 19:20	WG1662731
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 19:20	WG1662731
Dibromomethane	U		0.122	0.500	1	05/02/2021 19:20	WG1662731
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 19:20	WG1662731
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 19:20	WG1662731
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 19:20	WG1662731
Dichlorodifluoromethane	U	J3	0.374	2.50	1	05/02/2021 19:20	WG1662731
1,1-Dichloroethane	U		0.100	0.500	1	05/02/2021 19:20	WG1662731
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 19:20	WG1662731
1,1-Dichloroethene	U	C3 J3	0.188	0.500	1	05/02/2021 19:20	WG1662731
cis-1,2-Dichloroethene	U	J3	0.126	0.500	1	05/02/2021 19:20	WG1662731
trans-1,2-Dichloroethene	U	J3	0.149	0.500	1	05/02/2021 19:20	WG1662731
1,2-Dichloropropane	U		0.149	0.500	1	05/02/2021 19:20	WG1662731
1,1-Dichloropropene	U	J3	0.142	0.500	1	05/02/2021 19:20	WG1662731
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 19:20	WG1662731
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 19:20	WG1662731
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 19:20	WG1662731
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 19:20	WG1662731
2,2-Dichloropropane	U	J3	0.161	0.500	1	05/02/2021 19:20	WG1662731
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 19:20	WG1662731
Ethylbenzene	U	J3	0.137	0.500	1	05/02/2021 19:20	WG1662731
Hexachloro-1,3-butadiene	U	C3 J3	0.337	1.00	1	05/02/2021 19:20	WG1662731
2-Hexanone	U		0.787	5.00	1	05/02/2021 19:20	WG1662731
n-Hexane	U	J3	0.749	5.00	1	05/02/2021 19:20	WG1662731
Iodomethane	U		0.554	5.00	1	05/02/2021 19:20	WG1662731
Isopropylbenzene	U	J3	0.105	0.500	1	05/02/2021 19:20	WG1662731
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2021 19:20	WG1662731
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 19:20	WG1662731

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	05/02/2021 19:20	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 19:20	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 19:20	WG1662731
Naphthalene	U	J3	0.174	2.50	1	05/02/2021 19:20	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 19:20	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 19:20	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 19:20	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 19:20	WG1662731
1,1,2-Trichlorotrifluoroethane	U	C3 J3 J4	0.180	0.500	1	05/02/2021 19:20	WG1662731
Tetrachloroethene	U	C3 J3	0.300	0.500	1	05/02/2021 19:20	WG1662731
Toluene	U	C3 J3 J4	0.278	0.500	1	05/02/2021 19:20	WG1662731
1,2,3-Trichlorobenzene	U	C3 J3	0.164	0.500	1	05/02/2021 19:20	WG1662731
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	05/02/2021 19:20	WG1662731
1,1,1-Trichloroethane	U	J3	0.149	0.500	1	05/02/2021 19:20	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 19:20	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 19:20	WG1662731
Trichlorofluoromethane	U	J3	0.160	2.50	1	05/02/2021 19:20	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 19:20	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 19:20	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 19:20	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 19:20	WG1662731
Vinyl acetate	U	J3	0.692	5.00	1	05/02/2021 19:20	WG1662731
Vinyl chloride	U	J3	0.234	0.500	1	05/02/2021 19:20	WG1662731
Xylenes, Total	U	J3	0.174	1.50	1	05/02/2021 19:20	WG1662731
(S) Toluene-d8	*100*			*80.0-120*		*05/02/2021 19:20*	WG1662731
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*05/02/2021 19:20*	WG1662731
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/02/2021 19:20*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	05/03/2021 19:26	WG1662887
Atrazine	U		0.255	10.0	1	05/03/2021 19:26	WG1662887
Benzaldehyde	U		1.69	10.0	1	05/04/2021 05:23	WG1662887
Biphenyl	U		0.790	10.0	1	05/03/2021 19:26	WG1662887
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 19:26	WG1662887
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 19:26	WG1662887
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 19:26	WG1662887
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 19:26	WG1662887
Caprolactam	U		0.309	10.0	1	05/03/2021 19:26	WG1662887
Carbazole	U		0.111	10.0	1	05/03/2021 19:26	WG1662887
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 19:26	WG1662887
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 19:26	WG1662887
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 19:26	WG1662887
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 19:26	WG1662887
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 19:26	WG1662887
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 19:26	WG1662887
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 19:26	WG1662887
Hexachloroethane	U		0.127	5.00	1	05/03/2021 19:26	WG1662887
Isophorone	U		0.143	10.0	1	05/03/2021 19:26	WG1662887
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 19:26	WG1662887
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 19:26	WG1662887
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 19:26	WG1662887
Nitrobenzene	U		0.297	10.0	1	05/03/2021 19:26	WG1662887
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 19:26	WG1662887
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 19:26	WG1662887

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 19:26	WG1662887
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 19:26	WG1662887
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 19:26	WG1662887
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 19:26	WG1662887
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 19:26	WG1662887
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 19:26	WG1662887
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 19:26	WG1662887
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 19:26	WG1662887
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 19:26	WG1662887
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 19:26	WG1662887
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 19:26	WG1662887
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 19:26	WG1662887
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 19:26	WG1662887
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 19:26	WG1662887
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 19:26	WG1662887
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 19:26	WG1662887
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 19:26	WG1662887
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 19:26	WG1662887
Phenol	U		4.33	10.0	1	05/03/2021 19:26	WG1662887
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 19:26	WG1662887
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 19:26	WG1662887
(S) 2-Fluorophenol	*64.7*			*10.0-120*		*05/03/2021 19:26*	WG1662887
(S) 2-Fluorophenol	*69.5*			*10.0-120*		*05/04/2021 05:23*	WG1662887
(S) Phenol-d5	*46.4*			*10.0-120*		*05/04/2021 05:23*	WG1662887
(S) Phenol-d5	*43.5*			*10.0-120*		*05/03/2021 19:26*	WG1662887
(S) Nitrobenzene-d5	*83.8*			*10.0-127*		*05/03/2021 19:26*	WG1662887
(S) Nitrobenzene-d5	*102*			*10.0-127*		*05/04/2021 05:23*	WG1662887
(S) 2-Fluorobiphenyl	*100*			*10.0-130*		*05/03/2021 19:26*	WG1662887
(S) 2-Fluorobiphenyl	*102*			*10.0-130*		*05/04/2021 05:23*	WG1662887
(S) 2,4,6-Tribromophenol	*84.5*			*10.0-155*		*05/04/2021 05:23*	WG1662887
(S) 2,4,6-Tribromophenol	*109*			*10.0-155*		*05/03/2021 19:26*	WG1662887
(S) p-Terphenyl-d14	*89.2*			*10.0-128*		*05/03/2021 19:26*	WG1662887
(S) p-Terphenyl-d14	*99.7*			*10.0-128*		*05/04/2021 05:23*	WG1662887

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/01/2021 02:08	WG1661791
Acenaphthene	U		0.0190	0.0500	1	05/01/2021 02:08	WG1661791
Acenaphthylene	U		0.0171	0.0500	1	05/01/2021 02:08	WG1661791
Benzo(a)anthracene	U		0.0203	0.0500	1	05/01/2021 02:08	WG1661791
Benzo(a)pyrene	U		0.0184	0.0500	1	05/01/2021 02:08	WG1661791
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/01/2021 02:08	WG1661791
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/01/2021 02:08	WG1661791
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/01/2021 02:08	WG1661791
Chrysene	U		0.0179	0.0500	1	05/01/2021 02:08	WG1661791
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/01/2021 02:08	WG1661791
Dibenzofuran	U		0.0191	0.0500	1	05/01/2021 02:08	WG1661791
Fluoranthene	U		0.0270	0.100	1	05/01/2021 02:08	WG1661791
Fluorene	U		0.0169	0.0500	1	05/01/2021 02:08	WG1661791
Hexachlorobenzene	U		0.00670	0.0500	1	05/01/2021 02:08	WG1661791
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/01/2021 02:08	WG1661791
Naphthalene	U		0.0917	0.250	1	05/01/2021 02:08	WG1661791
Phenanthrene	U		0.0180	0.0500	1	05/01/2021 02:08	WG1661791
Pyrene	U		0.0169	0.0500	1	05/01/2021 02:08	WG1661791
1-Methylnaphthalene	U		0.0687	0.250	1	05/01/2021 02:08	WG1661791

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/01/2021 02:08	WG1661791
2-Chloronaphthalene	U		0.0682	0.250	1	05/01/2021 02:08	WG1661791
(S) Nitrobenzene-d5	*85.3*			*31.0-160*		*05/01/2021 02:08*	WG1661791
(S) 2-Fluorobiphenyl	*90.5*			*48.0-148*		*05/01/2021 02:08*	WG1661791
(S) p-Terphenyl-d14	*126*			*37.0-146*		*05/01/2021 02:08*	WG1661791

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 11:55	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 13:12	WG1662803
Acetone	U		11.3	25.0	1	05/02/2021 19:40	WG1662731
Acrylonitrile	U		0.671	5.00	1	05/02/2021 19:40	WG1662731
Benzene	U		0.0941	0.500	1	05/02/2021 19:40	WG1662731
Bromobenzene	U		0.118	0.500	1	05/02/2021 19:40	WG1662731
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 19:40	WG1662731
Bromochloromethane	U		0.128	0.500	1	05/02/2021 19:40	WG1662731
Bromoform	U		0.129	0.500	1	05/02/2021 19:40	WG1662731
Bromomethane	U	J3	0.605	2.50	1	05/02/2021 19:40	WG1662731
n-Butylbenzene	U	C3 J3	0.157	0.500	1	05/02/2021 19:40	WG1662731
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 19:40	WG1662731
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 19:40	WG1662731
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 19:40	WG1662731
Carbon tetrachloride	U	J3	0.128	0.500	1	05/02/2021 19:40	WG1662731
Chlorobenzene	U		0.117	0.500	1	05/02/2021 19:40	WG1662731
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 19:40	WG1662731
Chloroethane	U		0.192	2.50	1	05/02/2021 19:40	WG1662731
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/02/2021 19:40	WG1662731
Chloroform	U		0.111	0.500	1	05/02/2021 19:40	WG1662731
Chloromethane	U	J3	0.960	1.25	1	05/02/2021 19:40	WG1662731
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 19:40	WG1662731
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 19:40	WG1662731
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 19:40	WG1662731
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 19:40	WG1662731
Dibromomethane	U		0.122	0.500	1	05/02/2021 19:40	WG1662731
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 19:40	WG1662731
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 19:40	WG1662731
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 19:40	WG1662731
Dichlorodifluoromethane	U	J3	0.374	2.50	1	05/02/2021 19:40	WG1662731
1,1-Dichloroethane	U		0.100	0.500	1	05/02/2021 19:40	WG1662731
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 19:40	WG1662731
1,1-Dichloroethene	U	C3 J3	0.188	0.500	1	05/02/2021 19:40	WG1662731
cis-1,2-Dichloroethene	U	J3	0.126	0.500	1	05/02/2021 19:40	WG1662731
trans-1,2-Dichloroethene	U	J3	0.149	0.500	1	05/02/2021 19:40	WG1662731
1,2-Dichloropropane	U		0.149	0.500	1	05/02/2021 19:40	WG1662731
1,1-Dichloropropene	U	J3	0.142	0.500	1	05/02/2021 19:40	WG1662731
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 19:40	WG1662731
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 19:40	WG1662731
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 19:40	WG1662731
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 19:40	WG1662731
2,2-Dichloropropane	U	J3	0.161	0.500	1	05/02/2021 19:40	WG1662731
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 19:40	WG1662731
Ethylbenzene	U	J3	0.137	0.500	1	05/02/2021 19:40	WG1662731
Hexachloro-1,3-butadiene	U	C3 J3	0.337	1.00	1	05/02/2021 19:40	WG1662731
2-Hexanone	U		0.787	5.00	1	05/02/2021 19:40	WG1662731
n-Hexane	U	J3	0.749	5.00	1	05/02/2021 19:40	WG1662731
Iodomethane	U		0.554	5.00	1	05/02/2021 19:40	WG1662731
Isopropylbenzene	U	J3	0.105	0.500	1	05/02/2021 19:40	WG1662731
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2021 19:40	WG1662731
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 19:40	WG1662731

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	05/02/2021 19:40	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 19:40	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 19:40	WG1662731
Naphthalene	U	J3	0.174	2.50	1	05/02/2021 19:40	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 19:40	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 19:40	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 19:40	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 19:40	WG1662731
1,1,2-Trichlorotrifluoroethane	U	C3 J3 J4	0.180	0.500	1	05/02/2021 19:40	WG1662731
Tetrachloroethene	U	C3 J3	0.300	0.500	1	05/02/2021 19:40	WG1662731
Toluene	U	C3 J3 J4	0.278	0.500	1	05/02/2021 19:40	WG1662731
1,2,3-Trichlorobenzene	U	C3 J3	0.164	0.500	1	05/02/2021 19:40	WG1662731
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	05/02/2021 19:40	WG1662731
1,1,1-Trichloroethane	U	J3	0.149	0.500	1	05/02/2021 19:40	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 19:40	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 19:40	WG1662731
Trichlorofluoromethane	U	J3	0.160	2.50	1	05/02/2021 19:40	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 19:40	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 19:40	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 19:40	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 19:40	WG1662731
Vinyl acetate	U	J3	0.692	5.00	1	05/02/2021 19:40	WG1662731
Vinyl chloride	U	J3	0.234	0.500	1	05/02/2021 19:40	WG1662731
Xylenes, Total	U	J3	0.174	1.50	1	05/02/2021 19:40	WG1662731
(S) Toluene-d8	*102*			*80.0-120*		*05/02/2021 19:40*	WG1662731
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*05/02/2021 19:40*	WG1662731
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/02/2021 19:40*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	05/03/2021 15:46	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 15:46	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 01:47	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 15:46	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 15:46	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 15:46	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 15:46	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 15:46	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 15:46	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 15:46	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 15:46	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 15:46	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 15:46	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 15:46	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 15:46	WG1663049
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 15:46	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 15:46	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 15:46	WG1663049
Isophorone	U		0.143	10.0	1	05/03/2021 15:46	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 15:46	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 15:46	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 15:46	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 15:46	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 15:46	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 15:46	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 15:46	WG1663049
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 15:46	WG1663049
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 15:46	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 15:46	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 15:46	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 15:46	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 15:46	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 15:46	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 15:46	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 15:46	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 15:46	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 15:46	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 15:46	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 15:46	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 15:46	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 15:46	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 15:46	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 15:46	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 15:46	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 15:46	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 15:46	WG1663049
(S) 2-Fluorophenol	*59.3*			*10.0-120*		*05/04/2021 01:47*	WG1663049
(S) 2-Fluorophenol	*55.5*			*10.0-120*		*05/03/2021 15:46*	WG1663049
(S) Phenol-d5	*37.6*			*10.0-120*		*05/04/2021 01:47*	WG1663049
(S) Phenol-d5	*35.3*			*10.0-120*		*05/03/2021 15:46*	WG1663049
(S) Nitrobenzene-d5	*101*			*10.0-127*		*05/04/2021 01:47*	WG1663049
(S) Nitrobenzene-d5	*87.6*			*10.0-127*		*05/03/2021 15:46*	WG1663049
(S) 2-Fluorobiphenyl	*101*			*10.0-130*		*05/03/2021 15:46*	WG1663049
(S) 2-Fluorobiphenyl	*103*			*10.0-130*		*05/04/2021 01:47*	WG1663049
(S) 2,4,6-Tribromophenol	*72.0*			*10.0-155*		*05/04/2021 01:47*	WG1663049
(S) 2,4,6-Tribromophenol	*119*			*10.0-155*		*05/03/2021 15:46*	WG1663049
(S) p-Terphenyl-d14	*89.5*			*10.0-128*		*05/03/2021 15:46*	WG1663049
(S) p-Terphenyl-d14	*97.4*			*10.0-128*		*05/04/2021 01:47*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	05/03/2021 22:13	WG1662886
Acenaphthene	U		0.0190	0.0500	1	05/03/2021 22:13	WG1662886
Acenaphthylene	U		0.0171	0.0500	1	05/03/2021 22:13	WG1662886
Benzo(a)anthracene	U		0.0203	0.0500	1	05/03/2021 22:13	WG1662886
Benzo(a)pyrene	U		0.0184	0.0500	1	05/03/2021 22:13	WG1662886
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/03/2021 22:13	WG1662886
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/03/2021 22:13	WG1662886
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/03/2021 22:13	WG1662886
Chrysene	U		0.0179	0.0500	1	05/03/2021 22:13	WG1662886
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/03/2021 22:13	WG1662886
Dibenzofuran	U		0.0191	0.0500	1	05/03/2021 22:13	WG1662886
Fluoranthene	U		0.0270	0.100	1	05/03/2021 22:13	WG1662886
Fluorene	U		0.0169	0.0500	1	05/03/2021 22:13	WG1662886
Hexachlorobenzene	U		0.00670	0.0500	1	05/03/2021 22:13	WG1662886
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/03/2021 22:13	WG1662886
Naphthalene	U		0.0917	0.250	1	05/03/2021 22:13	WG1662886
Phenanthrene	U		0.0180	0.0500	1	05/03/2021 22:13	WG1662886
Pyrene	U		0.0169	0.0500	1	05/03/2021 22:13	WG1662886
1-Methylnaphthalene	U		0.0687	0.250	1	05/03/2021 22:13	WG1662886

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/03/2021 22:13	WG1662886
2-Chloronaphthalene	U		0.0682	0.250	1	05/03/2021 22:13	WG1662886
(S) Nitrobenzene-d5	*99.5*			*31.0-160*		*05/03/2021 22:13*	WG1662886
(S) 2-Fluorobiphenyl	*85.8*			*48.0-148*		*05/03/2021 22:13*	WG1662886
(S) p-Terphenyl-d14	*97.4*			*37.0-146*		*05/03/2021 22:13*	WG1662886

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 11:31	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-chloropropane	U	J5	0.000520	0.00500	1	05/02/2021 13:35	WG1662803
Acetone	U		11.3	25.0	1	05/02/2021 20:01	WG1662731
Acrylonitrile	U		0.671	5.00	1	05/02/2021 20:01	WG1662731
Benzene	U		0.0941	0.500	1	05/02/2021 20:01	WG1662731
Bromobenzene	U		0.118	0.500	1	05/02/2021 20:01	WG1662731
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 20:01	WG1662731
Bromochloromethane	U		0.128	0.500	1	05/02/2021 20:01	WG1662731
Bromoform	U		0.129	0.500	1	05/02/2021 20:01	WG1662731
Bromomethane	U		0.605	2.50	1	05/02/2021 20:01	WG1662731
n-Butylbenzene	U	C3	0.157	0.500	1	05/02/2021 20:01	WG1662731
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 20:01	WG1662731
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 20:01	WG1662731
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 20:01	WG1662731
Carbon tetrachloride	U		0.128	0.500	1	05/02/2021 20:01	WG1662731
Chlorobenzene	U		0.117	0.500	1	05/02/2021 20:01	WG1662731
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 20:01	WG1662731
Chloroethane	U		0.192	2.50	1	05/02/2021 20:01	WG1662731
2-Chloroethyl vinyl ether	U	J6	0.575	50.0	1	05/02/2021 20:01	WG1662731
Chloroform	U		0.111	0.500	1	05/02/2021 20:01	WG1662731
Chloromethane	U		0.960	1.25	1	05/02/2021 20:01	WG1662731
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 20:01	WG1662731
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 20:01	WG1662731
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 20:01	WG1662731
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 20:01	WG1662731
Dibromomethane	U		0.122	0.500	1	05/02/2021 20:01	WG1662731
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 20:01	WG1662731
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 20:01	WG1662731
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 20:01	WG1662731
Dichlorodifluoromethane	U		0.374	2.50	1	05/02/2021 20:01	WG1662731
1,1-Dichloroethane	0.340	J	0.100	0.500	1	05/02/2021 20:01	WG1662731
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 20:01	WG1662731
1,1-Dichloroethene	U	C3	0.188	0.500	1	05/02/2021 20:01	WG1662731
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/02/2021 20:01	WG1662731
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/02/2021 20:01	WG1662731
1,2-Dichloropropane	0.257	J	0.149	0.500	1	05/02/2021 20:01	WG1662731
1,1-Dichloropropene	U		0.142	0.500	1	05/02/2021 20:01	WG1662731
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 20:01	WG1662731
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 20:01	WG1662731
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 20:01	WG1662731
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 20:01	WG1662731
2,2-Dichloropropane	U		0.161	0.500	1	05/02/2021 20:01	WG1662731
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 20:01	WG1662731
Ethylbenzene	U		0.137	0.500	1	05/02/2021 20:01	WG1662731
Hexachloro-1,3-butadiene	U	C3	0.337	1.00	1	05/02/2021 20:01	WG1662731
2-Hexanone	U		0.787	5.00	1	05/02/2021 20:01	WG1662731
n-Hexane	U		0.749	5.00	1	05/02/2021 20:01	WG1662731
Iodomethane	U		0.554	5.00	1	05/02/2021 20:01	WG1662731
Isopropylbenzene	U		0.105	0.500	1	05/02/2021 20:01	WG1662731
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2021 20:01	WG1662731
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 20:01	WG1662731

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	05/02/2021 20:01	WG1662731
4-Methyl-2-pentanone (MIBK)	0.778	J	0.478	5.00	1	05/02/2021 20:01	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 20:01	WG1662731
Naphthalene	U		0.174	2.50	1	05/02/2021 20:01	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 20:01	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 20:01	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 20:01	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 20:01	WG1662731
1,1,2-Trichlorotrifluoroethane	U	C3 J4	0.180	0.500	1	05/02/2021 20:01	WG1662731
Tetrachloroethene	U	C3	0.300	0.500	1	05/02/2021 20:01	WG1662731
Toluene	U	C3 J4	0.278	0.500	1	05/02/2021 20:01	WG1662731
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	05/02/2021 20:01	WG1662731
1,2,4-Trichlorobenzene	U	C3	0.481	1.00	1	05/02/2021 20:01	WG1662731
1,1,1-Trichloroethane	U		0.149	0.500	1	05/02/2021 20:01	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 20:01	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 20:01	WG1662731
Trichlorofluoromethane	U		0.160	2.50	1	05/02/2021 20:01	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 20:01	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 20:01	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 20:01	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 20:01	WG1662731
Vinyl acetate	U		0.692	5.00	1	05/02/2021 20:01	WG1662731
Vinyl chloride	U		0.234	0.500	1	05/02/2021 20:01	WG1662731
Xylenes, Total	U		0.174	1.50	1	05/02/2021 20:01	WG1662731
(S) Toluene-d8	*105*			*80.0-120*		*05/02/2021 20:01*	WG1662731
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*05/02/2021 20:01*	WG1662731
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/02/2021 20:01*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	05/03/2021 19:48	WG1662887
Atrazine	U		0.255	10.0	1	05/03/2021 19:48	WG1662887
Benzaldehyde	U		1.69	10.0	1	05/04/2021 05:45	WG1662887
Biphenyl	U		0.790	10.0	1	05/03/2021 19:48	WG1662887
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 19:48	WG1662887
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 19:48	WG1662887
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 19:48	WG1662887
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 19:48	WG1662887
Caprolactam	U		0.309	10.0	1	05/03/2021 19:48	WG1662887
Carbazole	U		0.111	10.0	1	05/03/2021 19:48	WG1662887
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 19:48	WG1662887
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 19:48	WG1662887
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 19:48	WG1662887
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 19:48	WG1662887
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 19:48	WG1662887
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 19:48	WG1662887
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 19:48	WG1662887
Hexachloroethane	U		0.127	5.00	1	05/03/2021 19:48	WG1662887
Isophorone	U		0.143	10.0	1	05/03/2021 19:48	WG1662887
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 19:48	WG1662887
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 19:48	WG1662887
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 19:48	WG1662887
Nitrobenzene	U		0.297	10.0	1	05/03/2021 19:48	WG1662887
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 19:48	WG1662887
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 19:48	WG1662887

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 19:48	WG1662887
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 19:48	WG1662887
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 19:48	WG1662887
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 19:48	WG1662887
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 19:48	WG1662887
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 19:48	WG1662887
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 19:48	WG1662887
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 19:48	WG1662887
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 19:48	WG1662887
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 19:48	WG1662887
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 19:48	WG1662887
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 19:48	WG1662887
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 19:48	WG1662887
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 19:48	WG1662887
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 19:48	WG1662887
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 19:48	WG1662887
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 19:48	WG1662887
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 19:48	WG1662887
Phenol	U		4.33	10.0	1	05/03/2021 19:48	WG1662887
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 19:48	WG1662887
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 19:48	WG1662887
(S) 2-Fluorophenol	*60.0*			*10.0-120*		*05/04/2021 05:45*	WG1662887
(S) 2-Fluorophenol	*55.8*			*10.0-120*		*05/03/2021 19:48*	WG1662887
(S) Phenol-d5	*41.4*			*10.0-120*		*05/04/2021 05:45*	WG1662887
(S) Phenol-d5	*39.5*			*10.0-120*		*05/03/2021 19:48*	WG1662887
(S) Nitrobenzene-d5	*72.0*			*10.0-127*		*05/03/2021 19:48*	WG1662887
(S) Nitrobenzene-d5	*86.8*			*10.0-127*		*05/04/2021 05:45*	WG1662887
(S) 2-Fluorobiphenyl	*90.8*			*10.0-130*		*05/04/2021 05:45*	WG1662887
(S) 2-Fluorobiphenyl	*88.2*			*10.0-130*		*05/03/2021 19:48*	WG1662887
(S) 2,4,6-Tribromophenol	*108*			*10.0-155*		*05/03/2021 19:48*	WG1662887
(S) 2,4,6-Tribromophenol	*81.6*			*10.0-155*		*05/04/2021 05:45*	WG1662887
(S) p-Terphenyl-d14	*89.7*			*10.0-128*		*05/03/2021 19:48*	WG1662887
(S) p-Terphenyl-d14	*98.0*			*10.0-128*		*05/04/2021 05:45*	WG1662887

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/01/2021 02:28	WG1661791
Acenaphthene	U		0.0190	0.0500	1	05/01/2021 02:28	WG1661791
Acenaphthylene	U		0.0171	0.0500	1	05/01/2021 02:28	WG1661791
Benzo(a)anthracene	U		0.0203	0.0500	1	05/01/2021 02:28	WG1661791
Benzo(a)pyrene	U		0.0184	0.0500	1	05/01/2021 02:28	WG1661791
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/01/2021 02:28	WG1661791
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/01/2021 02:28	WG1661791
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/01/2021 02:28	WG1661791
Chrysene	U		0.0179	0.0500	1	05/01/2021 02:28	WG1661791
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/01/2021 02:28	WG1661791
Dibenzofuran	U		0.0191	0.0500	1	05/01/2021 02:28	WG1661791
Fluoranthene	0.0271	J	0.0270	0.100	1	05/01/2021 02:28	WG1661791
Fluorene	U		0.0169	0.0500	1	05/01/2021 02:28	WG1661791
Hexachlorobenzene	U		0.00670	0.0500	1	05/01/2021 02:28	WG1661791
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/01/2021 02:28	WG1661791
Naphthalene	U		0.0917	0.250	1	05/01/2021 02:28	WG1661791
Phenanthrene	0.0240	J	0.0180	0.0500	1	05/01/2021 02:28	WG1661791
Pyrene	0.0192	J	0.0169	0.0500	1	05/01/2021 02:28	WG1661791
1-Methylnaphthalene	U		0.0687	0.250	1	05/01/2021 02:28	WG1661791

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/01/2021 02:28	WG1661791
2-Chloronaphthalene	U		0.0682	0.250	1	05/01/2021 02:28	WG1661791
(S) Nitrobenzene-d5	*105*			*31.0-160*		*05/01/2021 02:28*	WG1661791
(S) 2-Fluorobiphenyl	*104*			*48.0-148*		*05/01/2021 02:28*	WG1661791
(S) p-Terphenyl-d14	*116*			*37.0-146*		*05/01/2021 02:28*	WG1661791

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 12:25	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 13:59	WG1662803
Acetone	U		11.3	25.0	1	05/02/2021 20:21	WG1662731
Acrylonitrile	U		0.671	5.00	1	05/02/2021 20:21	WG1662731
Benzene	U		0.0941	0.500	1	05/02/2021 20:21	WG1662731
Bromobenzene	U		0.118	0.500	1	05/02/2021 20:21	WG1662731
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 20:21	WG1662731
Bromochloromethane	U		0.128	0.500	1	05/02/2021 20:21	WG1662731
Bromoform	U		0.129	0.500	1	05/02/2021 20:21	WG1662731
Bromomethane	U	J3	0.605	2.50	1	05/02/2021 20:21	WG1662731
n-Butylbenzene	U	C3 J3	0.157	0.500	1	05/02/2021 20:21	WG1662731
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 20:21	WG1662731
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 20:21	WG1662731
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 20:21	WG1662731
Carbon tetrachloride	U	J3	0.128	0.500	1	05/02/2021 20:21	WG1662731
Chlorobenzene	U		0.117	0.500	1	05/02/2021 20:21	WG1662731
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 20:21	WG1662731
Chloroethane	U		0.192	2.50	1	05/02/2021 20:21	WG1662731
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/02/2021 20:21	WG1662731
Chloroform	U		0.111	0.500	1	05/02/2021 20:21	WG1662731
Chloromethane	U	J3	0.960	1.25	1	05/02/2021 20:21	WG1662731
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 20:21	WG1662731
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 20:21	WG1662731
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 20:21	WG1662731
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 20:21	WG1662731
Dibromomethane	U		0.122	0.500	1	05/02/2021 20:21	WG1662731
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 20:21	WG1662731
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 20:21	WG1662731
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 20:21	WG1662731
Dichlorodifluoromethane	U	J3	0.374	2.50	1	05/02/2021 20:21	WG1662731
1,1-Dichloroethane	U		0.100	0.500	1	05/02/2021 20:21	WG1662731
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 20:21	WG1662731
1,1-Dichloroethene	U	C3 J3	0.188	0.500	1	05/02/2021 20:21	WG1662731
cis-1,2-Dichloroethene	U	J3	0.126	0.500	1	05/02/2021 20:21	WG1662731
trans-1,2-Dichloroethene	U	J3	0.149	0.500	1	05/02/2021 20:21	WG1662731
1,2-Dichloropropane	U		0.149	0.500	1	05/02/2021 20:21	WG1662731
1,1-Dichloropropene	U	J3	0.142	0.500	1	05/02/2021 20:21	WG1662731
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 20:21	WG1662731
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 20:21	WG1662731
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 20:21	WG1662731
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 20:21	WG1662731
2,2-Dichloropropane	U	J3	0.161	0.500	1	05/02/2021 20:21	WG1662731
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 20:21	WG1662731
Ethylbenzene	U	J3	0.137	0.500	1	05/02/2021 20:21	WG1662731
Hexachloro-1,3-butadiene	U	C3 J3	0.337	1.00	1	05/02/2021 20:21	WG1662731
2-Hexanone	U		0.787	5.00	1	05/02/2021 20:21	WG1662731
n-Hexane	U	J3	0.749	5.00	1	05/02/2021 20:21	WG1662731
Iodomethane	U		0.554	5.00	1	05/02/2021 20:21	WG1662731
Isopropylbenzene	U	J3	0.105	0.500	1	05/02/2021 20:21	WG1662731
p-Isopropyltoluene	0.535		0.120	0.500	1	05/02/2021 20:21	WG1662731
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 20:21	WG1662731

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	05/02/2021 20:21	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 20:21	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 20:21	WG1662731
Naphthalene	U	J3	0.174	2.50	1	05/02/2021 20:21	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 20:21	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 20:21	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 20:21	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 20:21	WG1662731
1,1,2-Trichlorotrifluoroethane	U	C3 J3 J4	0.180	0.500	1	05/02/2021 20:21	WG1662731
Tetrachloroethene	U	C3 J3	0.300	0.500	1	05/02/2021 20:21	WG1662731
Toluene	U	C3 J3 J4	0.278	0.500	1	05/02/2021 20:21	WG1662731
1,2,3-Trichlorobenzene	U	C3 J3	0.164	0.500	1	05/02/2021 20:21	WG1662731
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	05/02/2021 20:21	WG1662731
1,1,1-Trichloroethane	U	J3	0.149	0.500	1	05/02/2021 20:21	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 20:21	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 20:21	WG1662731
Trichlorofluoromethane	U	J3	0.160	2.50	1	05/02/2021 20:21	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 20:21	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 20:21	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 20:21	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 20:21	WG1662731
Vinyl acetate	U	J3	0.692	5.00	1	05/02/2021 20:21	WG1662731
Vinyl chloride	U	J3	0.234	0.500	1	05/02/2021 20:21	WG1662731
Xylenes, Total	U	J3	0.174	1.50	1	05/02/2021 20:21	WG1662731
(S) Toluene-d8	*105*			*80.0-120*		*05/02/2021 20:21*	WG1662731
(S) 4-Bromofluorobenzene	*97.9*			*77.0-126*		*05/02/2021 20:21*	WG1662731
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/02/2021 20:21*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	05/03/2021 19:05	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 19:05	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 05:02	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 19:05	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 19:05	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 19:05	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 19:05	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 19:05	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 19:05	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 19:05	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 19:05	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 19:05	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 19:05	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 19:05	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 19:05	WG1663049
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 19:05	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 19:05	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 19:05	WG1663049
Isophorone	U		0.143	10.0	1	05/03/2021 19:05	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 19:05	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 19:05	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 19:05	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 19:05	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 19:05	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 19:05	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 19:05	WG1663049
Bis(2-ethylhexyl)phthalate	1.94	J	0.895	3.00	1	05/03/2021 19:05	WG1663049
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 19:05	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 19:05	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 19:05	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 19:05	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 19:05	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 19:05	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 19:05	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 19:05	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 19:05	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 19:05	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 19:05	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 19:05	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 19:05	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 19:05	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 19:05	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 19:05	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 19:05	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 19:05	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 19:05	WG1663049
(S) 2-Fluorophenol	*28.2*			*10.0-120*		*05/04/2021 05:02*	WG1663049
(S) 2-Fluorophenol	*29.2*			*10.0-120*		*05/03/2021 19:05*	WG1663049
(S) Phenol-d5	*23.2*			*10.0-120*		*05/04/2021 05:02*	WG1663049
(S) Phenol-d5	*22.3*			*10.0-120*		*05/03/2021 19:05*	WG1663049
(S) Nitrobenzene-d5	*60.5*			*10.0-127*		*05/03/2021 19:05*	WG1663049
(S) Nitrobenzene-d5	*70.8*			*10.0-127*		*05/04/2021 05:02*	WG1663049
(S) 2-Fluorobiphenyl	*75.2*			*10.0-130*		*05/04/2021 05:02*	WG1663049
(S) 2-Fluorobiphenyl	*75.4*			*10.0-130*		*05/03/2021 19:05*	WG1663049
(S) 2,4,6-Tribromophenol	*54.3*			*10.0-155*		*05/04/2021 05:02*	WG1663049
(S) 2,4,6-Tribromophenol	*79.7*			*10.0-155*		*05/03/2021 19:05*	WG1663049
(S) p-Terphenyl-d14	*79.3*			*10.0-128*		*05/03/2021 19:05*	WG1663049
(S) p-Terphenyl-d14	*86.0*			*10.0-128*		*05/04/2021 05:02*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/03/2021 22:28	WG1662886
Acenaphthene	U		0.0190	0.0500	1	05/03/2021 22:28	WG1662886
Acenaphthylene	U		0.0171	0.0500	1	05/03/2021 22:28	WG1662886
Benzo(a)anthracene	0.0500	J	0.0203	0.0500	1	05/03/2021 22:28	WG1662886
Benzo(a)pyrene	0.0622		0.0184	0.0500	1	05/03/2021 22:28	WG1662886
Benzo(b)fluoranthene	0.100		0.0168	0.0500	1	05/03/2021 22:28	WG1662886
Benzo(g,h,i)perylene	0.0692		0.0184	0.0500	1	05/03/2021 22:28	WG1662886
Benzo(k)fluoranthene	0.0404	J	0.0202	0.0500	1	05/03/2021 22:28	WG1662886
Chrysene	0.0724		0.0179	0.0500	1	05/03/2021 22:28	WG1662886
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/03/2021 22:28	WG1662886
Dibenzofuran	U		0.0191	0.0500	1	05/03/2021 22:28	WG1662886
Fluoranthene	0.154		0.0270	0.100	1	05/03/2021 22:28	WG1662886
Fluorene	U		0.0169	0.0500	1	05/03/2021 22:28	WG1662886
Hexachlorobenzene	U		0.00670	0.0500	1	05/03/2021 22:28	WG1662886
Indeno(1,2,3-cd)pyrene	0.0698		0.0158	0.0500	1	05/03/2021 22:28	WG1662886
Naphthalene	U		0.0917	0.250	1	05/03/2021 22:28	WG1662886
Phenanthrene	0.0681		0.0180	0.0500	1	05/03/2021 22:28	WG1662886
Pyrene	0.129		0.0169	0.0500	1	05/03/2021 22:28	WG1662886
1-Methylnaphthalene	U		0.0687	0.250	1	05/03/2021 22:28	WG1662886

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/03/2021 22:28	WG1662886
2-Chloronaphthalene	U		0.0682	0.250	1	05/03/2021 22:28	WG1662886
(S) Nitrobenzene-d5	*102*			*31.0-160*		*05/03/2021 22:28*	WG1662886
(S) 2-Fluorobiphenyl	*91.6*			*48.0-148*		*05/03/2021 22:28*	WG1662886
(S) p-Terphenyl-d14	*93.7*			*37.0-146*		*05/03/2021 22:28*	WG1662886

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 12:29	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 14:23	WG1662803
Acetone	U		11.3	25.0	1	05/02/2021 20:41	WG1662731
Acrylonitrile	U		0.671	5.00	1	05/02/2021 20:41	WG1662731
Benzene	U		0.0941	0.500	1	05/02/2021 20:41	WG1662731
Bromobenzene	U		0.118	0.500	1	05/02/2021 20:41	WG1662731
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 20:41	WG1662731
Bromochloromethane	U		0.128	0.500	1	05/02/2021 20:41	WG1662731
Bromoform	U		0.129	0.500	1	05/02/2021 20:41	WG1662731
Bromomethane	U	J3	0.605	2.50	1	05/02/2021 20:41	WG1662731
n-Butylbenzene	U	C3 J3	0.157	0.500	1	05/02/2021 20:41	WG1662731
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 20:41	WG1662731
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 20:41	WG1662731
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 20:41	WG1662731
Carbon tetrachloride	U	J3	0.128	0.500	1	05/02/2021 20:41	WG1662731
Chlorobenzene	U		0.117	0.500	1	05/02/2021 20:41	WG1662731
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 20:41	WG1662731
Chloroethane	U		0.192	2.50	1	05/02/2021 20:41	WG1662731
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/02/2021 20:41	WG1662731
Chloroform	U		0.111	0.500	1	05/02/2021 20:41	WG1662731
Chloromethane	U	J3	0.960	1.25	1	05/02/2021 20:41	WG1662731
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 20:41	WG1662731
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 20:41	WG1662731
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 20:41	WG1662731
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 20:41	WG1662731
Dibromomethane	U		0.122	0.500	1	05/02/2021 20:41	WG1662731
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 20:41	WG1662731
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 20:41	WG1662731
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 20:41	WG1662731
Dichlorodifluoromethane	U	J3	0.374	2.50	1	05/02/2021 20:41	WG1662731
1,1-Dichloroethane	U		0.100	0.500	1	05/02/2021 20:41	WG1662731
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 20:41	WG1662731
1,1-Dichloroethene	U	C3 J3	0.188	0.500	1	05/02/2021 20:41	WG1662731
cis-1,2-Dichloroethene	U	J3	0.126	0.500	1	05/02/2021 20:41	WG1662731
trans-1,2-Dichloroethene	U	J3	0.149	0.500	1	05/02/2021 20:41	WG1662731
1,2-Dichloropropane	U		0.149	0.500	1	05/02/2021 20:41	WG1662731
1,1-Dichloropropene	U	J3	0.142	0.500	1	05/02/2021 20:41	WG1662731
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 20:41	WG1662731
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 20:41	WG1662731
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 20:41	WG1662731
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 20:41	WG1662731
2,2-Dichloropropane	U	J3	0.161	0.500	1	05/02/2021 20:41	WG1662731
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 20:41	WG1662731
Ethylbenzene	U	J3	0.137	0.500	1	05/02/2021 20:41	WG1662731
Hexachloro-1,3-butadiene	U	C3 J3	0.337	1.00	1	05/02/2021 20:41	WG1662731
2-Hexanone	U		0.787	5.00	1	05/02/2021 20:41	WG1662731
n-Hexane	U	J3	0.749	5.00	1	05/02/2021 20:41	WG1662731
Iodomethane	U		0.554	5.00	1	05/02/2021 20:41	WG1662731
Isopropylbenzene	U	J3	0.105	0.500	1	05/02/2021 20:41	WG1662731
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2021 20:41	WG1662731
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 20:41	WG1662731

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	05/02/2021 20:41	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 20:41	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 20:41	WG1662731
Naphthalene	U	J3	0.174	2.50	1	05/02/2021 20:41	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 20:41	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 20:41	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 20:41	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 20:41	WG1662731
1,1,2-Trichlorotrifluoroethane	U	C3 J3 J4	0.180	0.500	1	05/02/2021 20:41	WG1662731
Tetrachloroethene	U	C3 J3	0.300	0.500	1	05/02/2021 20:41	WG1662731
Toluene	U	C3 J3 J4	0.278	0.500	1	05/02/2021 20:41	WG1662731
1,2,3-Trichlorobenzene	U	C3 J3	0.164	0.500	1	05/02/2021 20:41	WG1662731
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	05/02/2021 20:41	WG1662731
1,1,1-Trichloroethane	U	J3	0.149	0.500	1	05/02/2021 20:41	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 20:41	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 20:41	WG1662731
Trichlorofluoromethane	U	J3	0.160	2.50	1	05/02/2021 20:41	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 20:41	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 20:41	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 20:41	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 20:41	WG1662731
Vinyl acetate	U	J3	0.692	5.00	1	05/02/2021 20:41	WG1662731
Vinyl chloride	U	J3	0.234	0.500	1	05/02/2021 20:41	WG1662731
Xylenes, Total	U	J3	0.174	1.50	1	05/02/2021 20:41	WG1662731
(S) Toluene-d8	*101*			*80.0-120*		*05/02/2021 20:41*	WG1662731
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*05/02/2021 20:41*	WG1662731
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/02/2021 20:41*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	U		0.0447	0.400	1	05/03/2021 20:45	WG1662878
(S) Nitrobenzene-d5	*62.4*			*10.0-120*		*05/03/2021 20:45*	WG1662878

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	05/03/2021 16:08	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 16:08	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 02:08	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 16:08	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 16:08	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 16:08	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 16:08	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 16:08	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 16:08	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 16:08	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 16:08	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 16:08	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 16:08	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 16:08	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 16:08	WG1663049
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 16:08	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 16:08	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 16:08	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Isophorone	U		0.143	10.0	1	05/03/2021 16:08	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 16:08	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 16:08	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 16:08	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 16:08	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 16:08	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 16:08	WG1663049
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 16:08	WG1663049
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 16:08	WG1663049
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 16:08	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 16:08	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 16:08	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 16:08	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 16:08	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 16:08	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 16:08	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 16:08	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 16:08	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 16:08	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 16:08	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 16:08	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 16:08	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 16:08	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 16:08	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 16:08	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 16:08	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 16:08	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 16:08	WG1663049
(S) 2-Fluorophenol	*55.0*			*10.0-120*		*05/03/2021 16:08*	WG1663049
(S) 2-Fluorophenol	*58.5*			*10.0-120*		*05/04/2021 02:08*	WG1663049
(S) Phenol-d5	*37.8*			*10.0-120*		*05/04/2021 02:08*	WG1663049
(S) Phenol-d5	*34.9*			*10.0-120*		*05/03/2021 16:08*	WG1663049
(S) Nitrobenzene-d5	*99.8*			*10.0-127*		*05/04/2021 02:08*	WG1663049
(S) Nitrobenzene-d5	*85.4*			*10.0-127*		*05/03/2021 16:08*	WG1663049
(S) 2-Fluorobiphenyl	*101*			*10.0-130*		*05/03/2021 16:08*	WG1663049
(S) 2-Fluorobiphenyl	*105*			*10.0-130*		*05/04/2021 02:08*	WG1663049
(S) 2,4,6-Tribromophenol	*118*			*10.0-155*		*05/03/2021 16:08*	WG1663049
(S) 2,4,6-Tribromophenol	*77.5*			*10.0-155*		*05/04/2021 02:08*	WG1663049
(S) p-Terphenyl-d14	*97.7*			*10.0-128*		*05/04/2021 02:08*	WG1663049
(S) p-Terphenyl-d14	*90.1*			*10.0-128*		*05/03/2021 16:08*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/04/2021 09:49	WG1663668
Acenaphthene	U		0.0190	0.0500	1	05/04/2021 09:49	WG1663668
Acenaphthylene	U		0.0171	0.0500	1	05/04/2021 09:49	WG1663668
Benzo(a)anthracene	U		0.0203	0.0500	1	05/04/2021 09:49	WG1663668
Benzo(a)pyrene	U		0.0184	0.0500	1	05/04/2021 09:49	WG1663668
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/04/2021 09:49	WG1663668
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/04/2021 09:49	WG1663668
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/04/2021 09:49	WG1663668
Chrysene	U		0.0179	0.0500	1	05/04/2021 09:49	WG1663668
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/04/2021 09:49	WG1663668
Dibenzofuran	U		0.0191	0.0500	1	05/04/2021 09:49	WG1663668
Fluoranthene	U		0.0270	0.100	1	05/04/2021 09:49	WG1663668

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Fluorene	U		0.0169	0.0500	1	05/04/2021 09:49	WG1663668
Hexachlorobenzene	U		0.00670	0.0500	1	05/04/2021 09:49	WG1663668
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/04/2021 09:49	WG1663668
Naphthalene	U		0.0917	0.250	1	05/04/2021 09:49	WG1663668
Phenanthrene	U		0.0180	0.0500	1	05/04/2021 09:49	WG1663668
Pyrene	U		0.0169	0.0500	1	05/04/2021 09:49	WG1663668
1-Methylnaphthalene	U		0.0687	0.250	1	05/04/2021 09:49	WG1663668
2-Methylnaphthalene	U		0.0674	0.250	1	05/04/2021 09:49	WG1663668
2-Chloronaphthalene	U		0.0682	0.250	1	05/04/2021 09:49	WG1663668
(S) Nitrobenzene-d5	*97.5*			*31.0-160*		*05/04/2021 09:49*	WG1663668
(S) 2-Fluorobiphenyl	*115*			*48.0-148*		*05/04/2021 09:49*	WG1663668
(S) p-Terphenyl-d14	*141*			*37.0-146*		*05/04/2021 09:49*	WG1663668

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 12:32	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 14:46	WG1662803
Acetone	U		11.3	25.0	1	05/02/2021 21:02	WG1662731
Acrylonitrile	U		0.671	5.00	1	05/02/2021 21:02	WG1662731
Benzene	U		0.0941	0.500	1	05/02/2021 21:02	WG1662731
Bromobenzene	U		0.118	0.500	1	05/02/2021 21:02	WG1662731
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 21:02	WG1662731
Bromochloromethane	U		0.128	0.500	1	05/02/2021 21:02	WG1662731
Bromoform	U		0.129	0.500	1	05/02/2021 21:02	WG1662731
Bromomethane	U	J3	0.605	2.50	1	05/02/2021 21:02	WG1662731
n-Butylbenzene	U	C3 J3	0.157	0.500	1	05/02/2021 21:02	WG1662731
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 21:02	WG1662731
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 21:02	WG1662731
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 21:02	WG1662731
Carbon tetrachloride	U	J3	0.128	0.500	1	05/02/2021 21:02	WG1662731
Chlorobenzene	U		0.117	0.500	1	05/02/2021 21:02	WG1662731
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 21:02	WG1662731
Chloroethane	U		0.192	2.50	1	05/02/2021 21:02	WG1662731
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/02/2021 21:02	WG1662731
Chloroform	0.282	J	0.111	0.500	1	05/02/2021 21:02	WG1662731
Chloromethane	U	J3	0.960	1.25	1	05/02/2021 21:02	WG1662731
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 21:02	WG1662731
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 21:02	WG1662731
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 21:02	WG1662731
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 21:02	WG1662731
Dibromomethane	U		0.122	0.500	1	05/02/2021 21:02	WG1662731
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 21:02	WG1662731
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 21:02	WG1662731
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 21:02	WG1662731
Dichlorodifluoromethane	U	J3	0.374	2.50	1	05/02/2021 21:02	WG1662731
1,1-Dichloroethane	U		0.100	0.500	1	05/02/2021 21:02	WG1662731
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 21:02	WG1662731
1,1-Dichloroethene	U	C3 J3	0.188	0.500	1	05/02/2021 21:02	WG1662731
cis-1,2-Dichloroethene	0.915	J3	0.126	0.500	1	05/02/2021 21:02	WG1662731
trans-1,2-Dichloroethene	U	J3	0.149	0.500	1	05/02/2021 21:02	WG1662731
1,2-Dichloropropane	U		0.149	0.500	1	05/02/2021 21:02	WG1662731
1,1-Dichloropropene	U	J3	0.142	0.500	1	05/02/2021 21:02	WG1662731
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 21:02	WG1662731
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 21:02	WG1662731
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 21:02	WG1662731
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 21:02	WG1662731
2,2-Dichloropropane	U	J3	0.161	0.500	1	05/02/2021 21:02	WG1662731
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 21:02	WG1662731
Ethylbenzene	U	J3	0.137	0.500	1	05/02/2021 21:02	WG1662731
Hexachloro-1,3-butadiene	2.35	C3 J3	0.337	1.00	1	05/02/2021 21:02	WG1662731
2-Hexanone	U		0.787	5.00	1	05/02/2021 21:02	WG1662731
n-Hexane	U	J3	0.749	5.00	1	05/02/2021 21:02	WG1662731
Iodomethane	U		0.554	5.00	1	05/02/2021 21:02	WG1662731
Isopropylbenzene	U	J3	0.105	0.500	1	05/02/2021 21:02	WG1662731
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2021 21:02	WG1662731
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 21:02	WG1662731

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	05/02/2021 21:02	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 21:02	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 21:02	WG1662731
Naphthalene	U	J3	0.174	2.50	1	05/02/2021 21:02	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 21:02	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 21:02	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 21:02	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 21:02	WG1662731
1,1,2-Trichlorotrifluoroethane	U	C3 J3 J4	0.180	0.500	1	05/02/2021 21:02	WG1662731
Tetrachloroethene	U	C3 J3	0.300	0.500	1	05/02/2021 21:02	WG1662731
Toluene	U	C3 J3 J4	0.278	0.500	1	05/02/2021 21:02	WG1662731
1,2,3-Trichlorobenzene	U	C3 J3	0.164	0.500	1	05/02/2021 21:02	WG1662731
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	05/02/2021 21:02	WG1662731
1,1,1-Trichloroethane	U	J3	0.149	0.500	1	05/02/2021 21:02	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 21:02	WG1662731
Trichloroethene	7.02		0.190	0.500	1	05/02/2021 21:02	WG1662731
Trichlorofluoromethane	U	J3	0.160	2.50	1	05/02/2021 21:02	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 21:02	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 21:02	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 21:02	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 21:02	WG1662731
Vinyl acetate	U	J3	0.692	5.00	1	05/02/2021 21:02	WG1662731
Vinyl chloride	U	J3	0.234	0.500	1	05/02/2021 21:02	WG1662731
Xylenes, Total	U	J3	0.174	1.50	1	05/02/2021 21:02	WG1662731
(S) Toluene-d8	*103*			*80.0-120*		*05/02/2021 21:02*	WG1662731
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/02/2021 21:02*	WG1662731
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/02/2021 21:02*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	1.33		0.0447	0.400	1	05/02/2021 22:28	WG1661440
(S) Nitrobenzene-d5	*72.7*			*10.0-120*		*05/02/2021 22:28*	WG1661440

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	05/03/2021 16:30	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 16:30	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 02:30	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 16:30	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 16:30	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 16:30	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 16:30	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 16:30	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 16:30	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 16:30	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 16:30	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 16:30	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 16:30	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 16:30	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 16:30	WG1663049
Hexachloro-1,3-butadiene	1.47	J	0.0968	10.0	1	05/03/2021 16:30	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 16:30	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 16:30	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isophorone	U		0.143	10.0	1	05/03/2021 16:30	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 16:30	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 16:30	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 16:30	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 16:30	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 16:30	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 16:30	WG1663049
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 16:30	WG1663049
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 16:30	WG1663049
Di-n-butyl phthalate	1.41	J	0.453	3.00	1	05/03/2021 16:30	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 16:30	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 16:30	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 16:30	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 16:30	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 16:30	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 16:30	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 16:30	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 16:30	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 16:30	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 16:30	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 16:30	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 16:30	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 16:30	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 16:30	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 16:30	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 16:30	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 16:30	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 16:30	WG1663049
(S) 2-Fluorophenol	*42.9*			*10.0-120*		*05/03/2021 16:30*	WG1663049
(S) 2-Fluorophenol	*45.6*			*10.0-120*		*05/04/2021 02:30*	WG1663049
(S) Phenol-d5	*27.7*			*10.0-120*		*05/03/2021 16:30*	WG1663049
(S) Phenol-d5	*29.3*			*10.0-120*		*05/04/2021 02:30*	WG1663049
(S) Nitrobenzene-d5	*69.7*			*10.0-127*		*05/03/2021 16:30*	WG1663049
(S) Nitrobenzene-d5	*85.0*			*10.0-127*		*05/04/2021 02:30*	WG1663049
(S) 2-Fluorobiphenyl	*86.7*			*10.0-130*		*05/03/2021 16:30*	WG1663049
(S) 2-Fluorobiphenyl	*90.0*			*10.0-130*		*05/04/2021 02:30*	WG1663049
(S) 2,4,6-Tribromophenol	*78.0*			*10.0-155*		*05/04/2021 02:30*	WG1663049
(S) 2,4,6-Tribromophenol	*107*			*10.0-155*		*05/03/2021 16:30*	WG1663049
(S) p-Terphenyl-d14	*90.4*			*10.0-128*		*05/03/2021 16:30*	WG1663049
(S) p-Terphenyl-d14	*98.3*			*10.0-128*		*05/04/2021 02:30*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	05/03/2021 22:43	WG1662886
Acenaphthene	U		0.0190	0.0500	1	05/03/2021 22:43	WG1662886
Acenaphthylene	U		0.0171	0.0500	1	05/03/2021 22:43	WG1662886
Benzo(a)anthracene	U		0.0203	0.0500	1	05/03/2021 22:43	WG1662886
Benzo(a)pyrene	U		0.0184	0.0500	1	05/03/2021 22:43	WG1662886
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/03/2021 22:43	WG1662886
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/03/2021 22:43	WG1662886
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/03/2021 22:43	WG1662886
Chrysene	U		0.0179	0.0500	1	05/03/2021 22:43	WG1662886
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/03/2021 22:43	WG1662886
Dibenzofuran	U		0.0191	0.0500	1	05/03/2021 22:43	WG1662886
Fluoranthene	U		0.0270	0.100	1	05/03/2021 22:43	WG1662886

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Fluorene	U		0.0169	0.0500	1	05/03/2021 22:43	WG1662886
Hexachlorobenzene	U		0.00670	0.0500	1	05/03/2021 22:43	WG1662886
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/03/2021 22:43	WG1662886
Naphthalene	U		0.0917	0.250	1	05/03/2021 22:43	WG1662886
Phenanthrene	U		0.0180	0.0500	1	05/03/2021 22:43	WG1662886
Pyrene	U		0.0169	0.0500	1	05/03/2021 22:43	WG1662886
1-Methylnaphthalene	U		0.0687	0.250	1	05/03/2021 22:43	WG1662886
2-Methylnaphthalene	U		0.0674	0.250	1	05/03/2021 22:43	WG1662886
2-Chloronaphthalene	U		0.0682	0.250	1	05/03/2021 22:43	WG1662886
(S) Nitrobenzene-d5	*104*			*31.0-160*		*05/03/2021 22:43*	WG1662886
(S) 2-Fluorobiphenyl	*89.5*			*48.0-148*		*05/03/2021 22:43*	WG1662886
(S) p-Terphenyl-d14	*96.8*			*37.0-146*		*05/03/2021 22:43*	WG1662886

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 13:13	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 15:10	WG1662803
Acetone	U		11.3	25.0	1	05/02/2021 21:22	WG1662731
Acrylonitrile	U		0.671	5.00	1	05/02/2021 21:22	WG1662731
Benzene	U		0.0941	0.500	1	05/02/2021 21:22	WG1662731
Bromobenzene	U		0.118	0.500	1	05/02/2021 21:22	WG1662731
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 21:22	WG1662731
Bromochloromethane	U		0.128	0.500	1	05/02/2021 21:22	WG1662731
Bromoform	U		0.129	0.500	1	05/02/2021 21:22	WG1662731
Bromomethane	U	J3	0.605	2.50	1	05/02/2021 21:22	WG1662731
n-Butylbenzene	U	C3 J3	0.157	0.500	1	05/02/2021 21:22	WG1662731
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 21:22	WG1662731
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 21:22	WG1662731
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 21:22	WG1662731
Carbon tetrachloride	U	J3	0.128	0.500	1	05/02/2021 21:22	WG1662731
Chlorobenzene	U		0.117	0.500	1	05/02/2021 21:22	WG1662731
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 21:22	WG1662731
Chloroethane	U		0.192	2.50	1	05/02/2021 21:22	WG1662731
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/02/2021 21:22	WG1662731
Chloroform	U		0.111	0.500	1	05/02/2021 21:22	WG1662731
Chloromethane	U	J3	0.960	1.25	1	05/02/2021 21:22	WG1662731
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 21:22	WG1662731
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 21:22	WG1662731
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 21:22	WG1662731
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 21:22	WG1662731
Dibromomethane	U		0.122	0.500	1	05/02/2021 21:22	WG1662731
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 21:22	WG1662731
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 21:22	WG1662731
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 21:22	WG1662731
Dichlorodifluoromethane	U	J3	0.374	2.50	1	05/02/2021 21:22	WG1662731
1,1-Dichloroethane	U		0.100	0.500	1	05/02/2021 21:22	WG1662731
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 21:22	WG1662731
1,1-Dichloroethene	U	C3 J3	0.188	0.500	1	05/02/2021 21:22	WG1662731
cis-1,2-Dichloroethene	U	J3	0.126	0.500	1	05/02/2021 21:22	WG1662731
trans-1,2-Dichloroethene	U	J3	0.149	0.500	1	05/02/2021 21:22	WG1662731
1,2-Dichloropropane	U		0.149	0.500	1	05/02/2021 21:22	WG1662731
1,1-Dichloropropene	U	J3	0.142	0.500	1	05/02/2021 21:22	WG1662731
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 21:22	WG1662731
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 21:22	WG1662731
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 21:22	WG1662731
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 21:22	WG1662731
2,2-Dichloropropane	U	J3	0.161	0.500	1	05/02/2021 21:22	WG1662731
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 21:22	WG1662731
Ethylbenzene	U	J3	0.137	0.500	1	05/02/2021 21:22	WG1662731
Hexachloro-1,3-butadiene	U	C3 J3	0.337	1.00	1	05/02/2021 21:22	WG1662731
2-Hexanone	U		0.787	5.00	1	05/02/2021 21:22	WG1662731
n-Hexane	U	J3	0.749	5.00	1	05/02/2021 21:22	WG1662731
Iodomethane	U		0.554	5.00	1	05/02/2021 21:22	WG1662731
Isopropylbenzene	U	J3	0.105	0.500	1	05/02/2021 21:22	WG1662731
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2021 21:22	WG1662731
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 21:22	WG1662731

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	05/02/2021 21:22	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 21:22	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 21:22	WG1662731
Naphthalene	U	J3	0.174	2.50	1	05/02/2021 21:22	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 21:22	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 21:22	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 21:22	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 21:22	WG1662731
1,1,2-Trichlorotrifluoroethane	U	C3 J3 J4	0.180	0.500	1	05/02/2021 21:22	WG1662731
Tetrachloroethene	U	C3 J3	0.300	0.500	1	05/02/2021 21:22	WG1662731
Toluene	U	C3 J3 J4	0.278	0.500	1	05/02/2021 21:22	WG1662731
1,2,3-Trichlorobenzene	U	C3 J3	0.164	0.500	1	05/02/2021 21:22	WG1662731
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	05/02/2021 21:22	WG1662731
1,1,1-Trichloroethane	U	J3	0.149	0.500	1	05/02/2021 21:22	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 21:22	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 21:22	WG1662731
Trichlorofluoromethane	U	J3	0.160	2.50	1	05/02/2021 21:22	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 21:22	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 21:22	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 21:22	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 21:22	WG1662731
Vinyl acetate	U	J3	0.692	5.00	1	05/02/2021 21:22	WG1662731
Vinyl chloride	U	J3	0.234	0.500	1	05/02/2021 21:22	WG1662731
Xylenes, Total	U	J3	0.174	1.50	1	05/02/2021 21:22	WG1662731
(S) Toluene-d8	*106*			*80.0-120*		*05/02/2021 21:22*	WG1662731
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*05/02/2021 21:22*	WG1662731
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/02/2021 21:22*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	05/03/2021 16:52	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 16:52	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 02:52	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 16:52	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 16:52	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 16:52	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 16:52	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 16:52	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 16:52	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 16:52	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 16:52	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 16:52	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 16:52	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 16:52	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 16:52	WG1663049
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 16:52	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 16:52	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 16:52	WG1663049
Isophorone	U		0.143	10.0	1	05/03/2021 16:52	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 16:52	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 16:52	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 16:52	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 16:52	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 16:52	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 16:52	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 16:52	WG1663049
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 16:52	WG1663049
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 16:52	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 16:52	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 16:52	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 16:52	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 16:52	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 16:52	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 16:52	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 16:52	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 16:52	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 16:52	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 16:52	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 16:52	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 16:52	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 16:52	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 16:52	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 16:52	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 16:52	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 16:52	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 16:52	WG1663049
(S) 2-Fluorophenol	*37.1*			*10.0-120*		*05/04/2021 02:52*	WG1663049
(S) 2-Fluorophenol	*34.6*			*10.0-120*		*05/03/2021 16:52*	WG1663049
(S) Phenol-d5	*25.9*			*10.0-120*		*05/04/2021 02:52*	WG1663049
(S) Phenol-d5	*24.0*			*10.0-120*		*05/03/2021 16:52*	WG1663049
(S) Nitrobenzene-d5	*51.0*			*10.0-127*		*05/03/2021 16:52*	WG1663049
(S) Nitrobenzene-d5	*57.4*			*10.0-127*		*05/04/2021 02:52*	WG1663049
(S) 2-Fluorobiphenyl	*65.8*			*10.0-130*		*05/04/2021 02:52*	WG1663049
(S) 2-Fluorobiphenyl	*63.8*			*10.0-130*		*05/03/2021 16:52*	WG1663049
(S) 2,4,6-Tribromophenol	*83.5*			*10.0-155*		*05/03/2021 16:52*	WG1663049
(S) 2,4,6-Tribromophenol	*61.5*			*10.0-155*		*05/04/2021 02:52*	WG1663049
(S) p-Terphenyl-d14	*76.4*			*10.0-128*		*05/03/2021 16:52*	WG1663049
(S) p-Terphenyl-d14	*80.6*			*10.0-128*		*05/04/2021 02:52*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	05/03/2021 22:58	WG1662886
Acenaphthene	U		0.0190	0.0500	1	05/03/2021 22:58	WG1662886
Acenaphthylene	U		0.0171	0.0500	1	05/03/2021 22:58	WG1662886
Benzo(a)anthracene	U		0.0203	0.0500	1	05/03/2021 22:58	WG1662886
Benzo(a)pyrene	U		0.0184	0.0500	1	05/03/2021 22:58	WG1662886
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/03/2021 22:58	WG1662886
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/03/2021 22:58	WG1662886
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/03/2021 22:58	WG1662886
Chrysene	U		0.0179	0.0500	1	05/03/2021 22:58	WG1662886
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/03/2021 22:58	WG1662886
Dibenzofuran	U		0.0191	0.0500	1	05/03/2021 22:58	WG1662886
Fluoranthene	U		0.0270	0.100	1	05/03/2021 22:58	WG1662886
Fluorene	U		0.0169	0.0500	1	05/03/2021 22:58	WG1662886
Hexachlorobenzene	U		0.00670	0.0500	1	05/03/2021 22:58	WG1662886
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/03/2021 22:58	WG1662886
Naphthalene	U		0.0917	0.250	1	05/03/2021 22:58	WG1662886
Phenanthrene	U		0.0180	0.0500	1	05/03/2021 22:58	WG1662886
Pyrene	U		0.0169	0.0500	1	05/03/2021 22:58	WG1662886
1-Methylnaphthalene	U		0.0687	0.250	1	05/03/2021 22:58	WG1662886

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/03/2021 22:58	WG1662886
2-Chloronaphthalene	U		0.0682	0.250	1	05/03/2021 22:58	WG1662886
(S) Nitrobenzene-d5	*106*			*31.0-160*		*05/03/2021 22:58*	WG1662886
(S) 2-Fluorobiphenyl	*92.1*			*48.0-148*		*05/03/2021 22:58*	WG1662886
(S) p-Terphenyl-d14	*94.2*			*37.0-146*		*05/03/2021 22:58*	WG1662886

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 13:17	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 17:55	WG1662803
Acetone	U		11.3	25.0	1	05/02/2021 21:42	WG1662731
Acrylonitrile	U		0.671	5.00	1	05/02/2021 21:42	WG1662731
Benzene	U		0.0941	0.500	1	05/02/2021 21:42	WG1662731
Bromobenzene	U		0.118	0.500	1	05/02/2021 21:42	WG1662731
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 21:42	WG1662731
Bromochloromethane	U		0.128	0.500	1	05/02/2021 21:42	WG1662731
Bromoform	U		0.129	0.500	1	05/02/2021 21:42	WG1662731
Bromomethane	U	J3	0.605	2.50	1	05/02/2021 21:42	WG1662731
n-Butylbenzene	U	C3 J3	0.157	0.500	1	05/02/2021 21:42	WG1662731
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 21:42	WG1662731
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 21:42	WG1662731
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 21:42	WG1662731
Carbon tetrachloride	U	J3	0.128	0.500	1	05/02/2021 21:42	WG1662731
Chlorobenzene	U		0.117	0.500	1	05/02/2021 21:42	WG1662731
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 21:42	WG1662731
Chloroethane	U		0.192	2.50	1	05/02/2021 21:42	WG1662731
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/02/2021 21:42	WG1662731
Chloroform	0.120	J	0.111	0.500	1	05/02/2021 21:42	WG1662731
Chloromethane	U	J3	0.960	1.25	1	05/02/2021 21:42	WG1662731
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 21:42	WG1662731
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 21:42	WG1662731
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 21:42	WG1662731
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 21:42	WG1662731
Dibromomethane	U		0.122	0.500	1	05/02/2021 21:42	WG1662731
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 21:42	WG1662731
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 21:42	WG1662731
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 21:42	WG1662731
Dichlorodifluoromethane	U	J3	0.374	2.50	1	05/02/2021 21:42	WG1662731
1,1-Dichloroethane	0.123	J	0.100	0.500	1	05/02/2021 21:42	WG1662731
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 21:42	WG1662731
1,1-Dichloroethene	U	C3 J3	0.188	0.500	1	05/02/2021 21:42	WG1662731
cis-1,2-Dichloroethene	2.78	J3	0.126	0.500	1	05/02/2021 21:42	WG1662731
trans-1,2-Dichloroethene	U	J3	0.149	0.500	1	05/02/2021 21:42	WG1662731
1,2-Dichloropropane	U		0.149	0.500	1	05/02/2021 21:42	WG1662731
1,1-Dichloropropene	U	J3	0.142	0.500	1	05/02/2021 21:42	WG1662731
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 21:42	WG1662731
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 21:42	WG1662731
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 21:42	WG1662731
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 21:42	WG1662731
2,2-Dichloropropane	U	J3	0.161	0.500	1	05/02/2021 21:42	WG1662731
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 21:42	WG1662731
Ethylbenzene	U	J3	0.137	0.500	1	05/02/2021 21:42	WG1662731
Hexachloro-1,3-butadiene	0.715	C3 J J3	0.337	1.00	1	05/02/2021 21:42	WG1662731
2-Hexanone	U		0.787	5.00	1	05/02/2021 21:42	WG1662731
n-Hexane	U	J3	0.749	5.00	1	05/02/2021 21:42	WG1662731
Iodomethane	U		0.554	5.00	1	05/02/2021 21:42	WG1662731
Isopropylbenzene	U	J3	0.105	0.500	1	05/02/2021 21:42	WG1662731
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2021 21:42	WG1662731
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 21:42	WG1662731

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	05/02/2021 21:42	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 21:42	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 21:42	WG1662731
Naphthalene	U	J3	0.174	2.50	1	05/02/2021 21:42	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 21:42	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 21:42	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 21:42	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 21:42	WG1662731
1,1,2-Trichlorotrifluoroethane	U	C3 J3 J4	0.180	0.500	1	05/02/2021 21:42	WG1662731
Tetrachloroethene	U	C3 J3	0.300	0.500	1	05/02/2021 21:42	WG1662731
Toluene	U	C3 J3 J4	0.278	0.500	1	05/02/2021 21:42	WG1662731
1,2,3-Trichlorobenzene	U	C3 J3	0.164	0.500	1	05/02/2021 21:42	WG1662731
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	05/02/2021 21:42	WG1662731
1,1,1-Trichloroethane	U	J3	0.149	0.500	1	05/02/2021 21:42	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 21:42	WG1662731
Trichloroethene	6.38		0.190	0.500	1	05/02/2021 21:42	WG1662731
Trichlorofluoromethane	U	J3	0.160	2.50	1	05/02/2021 21:42	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 21:42	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 21:42	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 21:42	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 21:42	WG1662731
Vinyl acetate	U	J3	0.692	5.00	1	05/02/2021 21:42	WG1662731
Vinyl chloride	U	J3	0.234	0.500	1	05/02/2021 21:42	WG1662731
Xylenes, Total	U	J3	0.174	1.50	1	05/02/2021 21:42	WG1662731
(S) Toluene-d8	*105*			*80.0-120*		*05/02/2021 21:42*	WG1662731
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*05/02/2021 21:42*	WG1662731
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/02/2021 21:42*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	05/03/2021 17:15	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 17:15	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 03:13	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 17:15	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 17:15	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 17:15	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 17:15	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 17:15	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 17:15	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 17:15	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 17:15	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 17:15	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 17:15	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 17:15	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 17:15	WG1663049
Hexachloro-1,3-butadiene	0.426	J	0.0968	10.0	1	05/03/2021 17:15	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 17:15	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 17:15	WG1663049
Isophorone	U		0.143	10.0	1	05/03/2021 17:15	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 17:15	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 17:15	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 17:15	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 17:15	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 17:15	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 17:15	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 17:15	WG1663049
Bis(2-ethylhexyl)phthalate	1.08	J	0.895	3.00	1	05/03/2021 17:15	WG1663049
Di-n-butyl phthalate	12.8		0.453	3.00	1	05/03/2021 17:15	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 17:15	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 17:15	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 17:15	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 17:15	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 17:15	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 17:15	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 17:15	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 17:15	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 17:15	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 17:15	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 17:15	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 17:15	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 17:15	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 17:15	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 17:15	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 17:15	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 17:15	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 17:15	WG1663049
(S) 2-Fluorophenol	*41.9*			*10.0-120*		*05/04/2021 03:13*	WG1663049
(S) 2-Fluorophenol	*37.6*			*10.0-120*		*05/03/2021 17:15*	WG1663049
(S) Phenol-d5	*26.8*			*10.0-120*		*05/03/2021 17:15*	WG1663049
(S) Phenol-d5	*29.1*			*10.0-120*		*05/04/2021 03:13*	WG1663049
(S) Nitrobenzene-d5	*72.8*			*10.0-127*		*05/04/2021 03:13*	WG1663049
(S) Nitrobenzene-d5	*62.3*			*10.0-127*		*05/03/2021 17:15*	WG1663049
(S) 2-Fluorobiphenyl	*79.7*			*10.0-130*		*05/04/2021 03:13*	WG1663049
(S) 2-Fluorobiphenyl	*78.6*			*10.0-130*		*05/03/2021 17:15*	WG1663049
(S) 2,4,6-Tribromophenol	*96.5*			*10.0-155*		*05/03/2021 17:15*	WG1663049
(S) 2,4,6-Tribromophenol	*73.5*			*10.0-155*		*05/04/2021 03:13*	WG1663049
(S) p-Terphenyl-d14	*88.3*			*10.0-128*		*05/04/2021 03:13*	WG1663049
(S) p-Terphenyl-d14	*84.5*			*10.0-128*		*05/03/2021 17:15*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	05/03/2021 23:13	WG1662886
Acenaphthene	U		0.0190	0.0500	1	05/03/2021 23:13	WG1662886
Acenaphthylene	U		0.0171	0.0500	1	05/03/2021 23:13	WG1662886
Benzo(a)anthracene	U		0.0203	0.0500	1	05/03/2021 23:13	WG1662886
Benzo(a)pyrene	U		0.0184	0.0500	1	05/03/2021 23:13	WG1662886
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/03/2021 23:13	WG1662886
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/03/2021 23:13	WG1662886
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/03/2021 23:13	WG1662886
Chrysene	U		0.0179	0.0500	1	05/03/2021 23:13	WG1662886
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/03/2021 23:13	WG1662886
Dibenzofuran	U		0.0191	0.0500	1	05/03/2021 23:13	WG1662886
Fluoranthene	U		0.0270	0.100	1	05/03/2021 23:13	WG1662886
Fluorene	U		0.0169	0.0500	1	05/03/2021 23:13	WG1662886
Hexachlorobenzene	U		0.00670	0.0500	1	05/03/2021 23:13	WG1662886
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/03/2021 23:13	WG1662886
Naphthalene	U		0.0917	0.250	1	05/03/2021 23:13	WG1662886
Phenanthrene	U		0.0180	0.0500	1	05/03/2021 23:13	WG1662886
Pyrene	U		0.0169	0.0500	1	05/03/2021 23:13	WG1662886
1-Methylnaphthalene	U		0.0687	0.250	1	05/03/2021 23:13	WG1662886

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/03/2021 23:13	WG1662886
2-Chloronaphthalene	U		0.0682	0.250	1	05/03/2021 23:13	WG1662886
(S) Nitrobenzene-d5	*106*			*31.0-160*		*05/03/2021 23:13*	WG1662886
(S) 2-Fluorobiphenyl	*84.7*			*48.0-148*		*05/03/2021 23:13*	WG1662886
(S) p-Terphenyl-d14	*95.3*			*37.0-146*		*05/03/2021 23:13*	WG1662886

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	1.23	J	0.849	2.00	1	05/14/2021 13:20	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 15:34	WG1662803
Acetone	U		11.3	25.0	1	05/02/2021 22:03	WG1662731
Acrylonitrile	U		0.671	5.00	1	05/02/2021 22:03	WG1662731
Benzene	U		0.0941	0.500	1	05/02/2021 22:03	WG1662731
Bromobenzene	U		0.118	0.500	1	05/02/2021 22:03	WG1662731
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 22:03	WG1662731
Bromochloromethane	U		0.128	0.500	1	05/02/2021 22:03	WG1662731
Bromoform	U		0.129	0.500	1	05/02/2021 22:03	WG1662731
Bromomethane	U	J3	0.605	2.50	1	05/02/2021 22:03	WG1662731
n-Butylbenzene	U	C3 J3	0.157	0.500	1	05/02/2021 22:03	WG1662731
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 22:03	WG1662731
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 22:03	WG1662731
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 22:03	WG1662731
Carbon tetrachloride	U	J3	0.128	0.500	1	05/02/2021 22:03	WG1662731
Chlorobenzene	U		0.117	0.500	1	05/02/2021 22:03	WG1662731
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 22:03	WG1662731
Chloroethane	U		0.192	2.50	1	05/02/2021 22:03	WG1662731
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/02/2021 22:03	WG1662731
Chloroform	U		0.111	0.500	1	05/02/2021 22:03	WG1662731
Chloromethane	U	J3	0.960	1.25	1	05/02/2021 22:03	WG1662731
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 22:03	WG1662731
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 22:03	WG1662731
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 22:03	WG1662731
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 22:03	WG1662731
Dibromomethane	U		0.122	0.500	1	05/02/2021 22:03	WG1662731
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 22:03	WG1662731
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 22:03	WG1662731
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 22:03	WG1662731
Dichlorodifluoromethane	U	J3	0.374	2.50	1	05/02/2021 22:03	WG1662731
1,1-Dichloroethane	U		0.100	0.500	1	05/02/2021 22:03	WG1662731
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 22:03	WG1662731
1,1-Dichloroethene	U	C3 J3	0.188	0.500	1	05/02/2021 22:03	WG1662731
cis-1,2-Dichloroethene	U	J3	0.126	0.500	1	05/02/2021 22:03	WG1662731
trans-1,2-Dichloroethene	U	J3	0.149	0.500	1	05/02/2021 22:03	WG1662731
1,2-Dichloropropane	U		0.149	0.500	1	05/02/2021 22:03	WG1662731
1,1-Dichloropropene	U	J3	0.142	0.500	1	05/02/2021 22:03	WG1662731
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 22:03	WG1662731
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 22:03	WG1662731
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 22:03	WG1662731
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 22:03	WG1662731
2,2-Dichloropropane	U	J3	0.161	0.500	1	05/02/2021 22:03	WG1662731
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 22:03	WG1662731
Ethylbenzene	U	J3	0.137	0.500	1	05/02/2021 22:03	WG1662731
Hexachloro-1,3-butadiene	U	C3 J3	0.337	1.00	1	05/02/2021 22:03	WG1662731
2-Hexanone	U		0.787	5.00	1	05/02/2021 22:03	WG1662731
n-Hexane	U	J3	0.749	5.00	1	05/02/2021 22:03	WG1662731
Iodomethane	U		0.554	5.00	1	05/02/2021 22:03	WG1662731
Isopropylbenzene	U	J3	0.105	0.500	1	05/02/2021 22:03	WG1662731
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2021 22:03	WG1662731
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 22:03	WG1662731

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	05/02/2021 22:03	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 22:03	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 22:03	WG1662731
Naphthalene	U	J3	0.174	2.50	1	05/02/2021 22:03	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 22:03	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 22:03	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 22:03	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 22:03	WG1662731
1,1,2-Trichlorotrifluoroethane	U	C3 J3 J4	0.180	0.500	1	05/02/2021 22:03	WG1662731
Tetrachloroethene	U	C3 J3	0.300	0.500	1	05/02/2021 22:03	WG1662731
Toluene	U	C3 J3 J4	0.278	0.500	1	05/02/2021 22:03	WG1662731
1,2,3-Trichlorobenzene	U	C3 J3	0.164	0.500	1	05/02/2021 22:03	WG1662731
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	05/02/2021 22:03	WG1662731
1,1,1-Trichloroethane	U	J3	0.149	0.500	1	05/02/2021 22:03	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 22:03	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 22:03	WG1662731
Trichlorofluoromethane	U	J3	0.160	2.50	1	05/02/2021 22:03	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 22:03	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 22:03	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 22:03	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 22:03	WG1662731
Vinyl acetate	U	J3	0.692	5.00	1	05/02/2021 22:03	WG1662731
Vinyl chloride	U	J3	0.234	0.500	1	05/02/2021 22:03	WG1662731
Xylenes, Total	U	J3	0.174	1.50	1	05/02/2021 22:03	WG1662731
(S) Toluene-d8	*101*			*80.0-120*		*05/02/2021 22:03*	WG1662731
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/02/2021 22:03*	WG1662731
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*05/02/2021 22:03*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	05/03/2021 17:37	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 17:37	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 03:35	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 17:37	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 17:37	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 17:37	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 17:37	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 17:37	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 17:37	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 17:37	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 17:37	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 17:37	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 17:37	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 17:37	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 17:37	WG1663049
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 17:37	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 17:37	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 17:37	WG1663049
Isophorone	U		0.143	10.0	1	05/03/2021 17:37	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 17:37	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 17:37	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 17:37	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 17:37	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 17:37	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 17:37	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 17:37	WG1663049
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 17:37	WG1663049
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 17:37	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 17:37	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 17:37	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 17:37	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 17:37	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 17:37	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 17:37	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 17:37	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 17:37	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 17:37	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 17:37	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 17:37	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 17:37	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 17:37	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 17:37	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 17:37	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 17:37	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 17:37	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 17:37	WG1663049
(S) 2-Fluorophenol	*41.1*			*10.0-120*		*05/03/2021 17:37*	WG1663049
(S) 2-Fluorophenol	*44.5*			*10.0-120*		*05/04/2021 03:35*	WG1663049
(S) Phenol-d5	*28.3*			*10.0-120*		*05/03/2021 17:37*	WG1663049
(S) Phenol-d5	*30.4*			*10.0-120*		*05/04/2021 03:35*	WG1663049
(S) Nitrobenzene-d5	*78.7*			*10.0-127*		*05/04/2021 03:35*	WG1663049
(S) Nitrobenzene-d5	*68.1*			*10.0-127*		*05/03/2021 17:37*	WG1663049
(S) 2-Fluorobiphenyl	*81.4*			*10.0-130*		*05/04/2021 03:35*	WG1663049
(S) 2-Fluorobiphenyl	*80.0*			*10.0-130*		*05/03/2021 17:37*	WG1663049
(S) 2,4,6-Tribromophenol	*104*			*10.0-155*		*05/03/2021 17:37*	WG1663049
(S) 2,4,6-Tribromophenol	*75.5*			*10.0-155*		*05/04/2021 03:35*	WG1663049
(S) p-Terphenyl-d14	*82.6*			*10.0-128*		*05/03/2021 17:37*	WG1663049
(S) p-Terphenyl-d14	*89.3*			*10.0-128*		*05/04/2021 03:35*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/04/2021 09:58	WG1663668
Acenaphthene	U		0.0190	0.0500	1	05/04/2021 09:58	WG1663668
Acenaphthylene	U		0.0171	0.0500	1	05/04/2021 09:58	WG1663668
Benzo(a)anthracene	U		0.0203	0.0500	1	05/04/2021 09:58	WG1663668
Benzo(a)pyrene	U		0.0184	0.0500	1	05/04/2021 09:58	WG1663668
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/04/2021 09:58	WG1663668
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/04/2021 09:58	WG1663668
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/04/2021 09:58	WG1663668
Chrysene	U		0.0179	0.0500	1	05/04/2021 09:58	WG1663668
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/04/2021 09:58	WG1663668
Dibenzofuran	U		0.0191	0.0500	1	05/04/2021 09:58	WG1663668
Fluoranthene	U		0.0270	0.100	1	05/04/2021 09:58	WG1663668
Fluorene	U		0.0169	0.0500	1	05/04/2021 09:58	WG1663668
Hexachlorobenzene	U		0.00670	0.0500	1	05/04/2021 09:58	WG1663668
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/04/2021 09:58	WG1663668
Naphthalene	U		0.0917	0.250	1	05/04/2021 09:58	WG1663668
Phenanthrene	U		0.0180	0.0500	1	05/04/2021 09:58	WG1663668
Pyrene	U		0.0169	0.0500	1	05/04/2021 09:58	WG1663668
1-Methylnaphthalene	U		0.0687	0.250	1	05/04/2021 09:58	WG1663668

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/04/2021 09:58	WG1663668
2-Chloronaphthalene	U		0.0682	0.250	1	05/04/2021 09:58	WG1663668
(S) Nitrobenzene-d5	*98.5*			*31.0-160*		*05/04/2021 09:58*	WG1663668
(S) 2-Fluorobiphenyl	*112*			*48.0-148*		*05/04/2021 09:58*	WG1663668
(S) p-Terphenyl-d14	*136*			*37.0-146*		*05/04/2021 09:58*	WG1663668

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 13:23	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 15:57	WG1662803
Acetone	U		11.3	25.0	1	05/02/2021 22:23	WG1662731
Acrylonitrile	U		0.671	5.00	1	05/02/2021 22:23	WG1662731
Benzene	U		0.0941	0.500	1	05/02/2021 22:23	WG1662731
Bromobenzene	U		0.118	0.500	1	05/02/2021 22:23	WG1662731
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 22:23	WG1662731
Bromochloromethane	U		0.128	0.500	1	05/02/2021 22:23	WG1662731
Bromoform	U		0.129	0.500	1	05/02/2021 22:23	WG1662731
Bromomethane	U	J3	0.605	2.50	1	05/02/2021 22:23	WG1662731
n-Butylbenzene	U	C3 J3	0.157	0.500	1	05/02/2021 22:23	WG1662731
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 22:23	WG1662731
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 22:23	WG1662731
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 22:23	WG1662731
Carbon tetrachloride	U	J3	0.128	0.500	1	05/02/2021 22:23	WG1662731
Chlorobenzene	U		0.117	0.500	1	05/02/2021 22:23	WG1662731
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 22:23	WG1662731
Chloroethane	U		0.192	2.50	1	05/02/2021 22:23	WG1662731
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/02/2021 22:23	WG1662731
Chloroform	U		0.111	0.500	1	05/02/2021 22:23	WG1662731
Chloromethane	U	J3	0.960	1.25	1	05/02/2021 22:23	WG1662731
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 22:23	WG1662731
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 22:23	WG1662731
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 22:23	WG1662731
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 22:23	WG1662731
Dibromomethane	U		0.122	0.500	1	05/02/2021 22:23	WG1662731
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 22:23	WG1662731
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 22:23	WG1662731
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 22:23	WG1662731
Dichlorodifluoromethane	U	J3	0.374	2.50	1	05/02/2021 22:23	WG1662731
1,1-Dichloroethane	U		0.100	0.500	1	05/02/2021 22:23	WG1662731
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 22:23	WG1662731
1,1-Dichloroethene	U	C3 J3	0.188	0.500	1	05/02/2021 22:23	WG1662731
cis-1,2-Dichloroethene	U	J3	0.126	0.500	1	05/02/2021 22:23	WG1662731
trans-1,2-Dichloroethene	U	J3	0.149	0.500	1	05/02/2021 22:23	WG1662731
1,2-Dichloropropane	U		0.149	0.500	1	05/02/2021 22:23	WG1662731
1,1-Dichloropropene	U	J3	0.142	0.500	1	05/02/2021 22:23	WG1662731
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 22:23	WG1662731
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 22:23	WG1662731
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 22:23	WG1662731
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 22:23	WG1662731
2,2-Dichloropropane	U	J3	0.161	0.500	1	05/02/2021 22:23	WG1662731
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 22:23	WG1662731
Ethylbenzene	U	J3	0.137	0.500	1	05/02/2021 22:23	WG1662731
Hexachloro-1,3-butadiene	U	C3 J3	0.337	1.00	1	05/02/2021 22:23	WG1662731
2-Hexanone	U		0.787	5.00	1	05/02/2021 22:23	WG1662731
n-Hexane	U	J3	0.749	5.00	1	05/02/2021 22:23	WG1662731
Iodomethane	U		0.554	5.00	1	05/02/2021 22:23	WG1662731
Isopropylbenzene	U	J3	0.105	0.500	1	05/02/2021 22:23	WG1662731
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2021 22:23	WG1662731
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 22:23	WG1662731

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	05/02/2021 22:23	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 22:23	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 22:23	WG1662731
Naphthalene	U	J3	0.174	2.50	1	05/02/2021 22:23	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 22:23	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 22:23	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 22:23	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 22:23	WG1662731
1,1,2-Trichlorotrifluoroethane	U	C3 J3 J4	0.180	0.500	1	05/02/2021 22:23	WG1662731
Tetrachloroethene	U	C3 J3	0.300	0.500	1	05/02/2021 22:23	WG1662731
Toluene	U	C3 J3 J4	0.278	0.500	1	05/02/2021 22:23	WG1662731
1,2,3-Trichlorobenzene	U	C3 J3	0.164	0.500	1	05/02/2021 22:23	WG1662731
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	05/02/2021 22:23	WG1662731
1,1,1-Trichloroethane	U	J3	0.149	0.500	1	05/02/2021 22:23	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 22:23	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 22:23	WG1662731
Trichlorofluoromethane	U	J3	0.160	2.50	1	05/02/2021 22:23	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 22:23	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 22:23	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 22:23	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 22:23	WG1662731
Vinyl acetate	U	J3	0.692	5.00	1	05/02/2021 22:23	WG1662731
Vinyl chloride	U	J3	0.234	0.500	1	05/02/2021 22:23	WG1662731
Xylenes, Total	U	J3	0.174	1.50	1	05/02/2021 22:23	WG1662731
(S) Toluene-d8	*103*			*80.0-120*		*05/02/2021 22:23*	WG1662731
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/02/2021 22:23*	WG1662731
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*05/02/2021 22:23*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	05/03/2021 17:59	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 17:59	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 03:57	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 17:59	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 17:59	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 17:59	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 17:59	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 17:59	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 17:59	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 17:59	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 17:59	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 17:59	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 17:59	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 17:59	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 17:59	WG1663049
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 17:59	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 17:59	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 17:59	WG1663049
Isophorone	U		0.143	10.0	1	05/03/2021 17:59	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 17:59	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 17:59	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 17:59	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 17:59	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 17:59	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 17:59	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 17:59	WG1663049
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 17:59	WG1663049
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 17:59	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 17:59	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 17:59	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 17:59	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 17:59	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 17:59	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 17:59	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 17:59	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 17:59	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 17:59	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 17:59	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 17:59	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 17:59	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 17:59	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 17:59	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 17:59	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 17:59	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 17:59	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 17:59	WG1663049
(S) 2-Fluorophenol	*57.0*			*10.0-120*		*05/03/2021 17:59*	WG1663049
(S) 2-Fluorophenol	*61.0*			*10.0-120*		*05/04/2021 03:57*	WG1663049
(S) Phenol-d5	*37.3*			*10.0-120*		*05/03/2021 17:59*	WG1663049
(S) Phenol-d5	*38.8*			*10.0-120*		*05/04/2021 03:57*	WG1663049
(S) Nitrobenzene-d5	*80.9*			*10.0-127*		*05/03/2021 17:59*	WG1663049
(S) Nitrobenzene-d5	*95.8*			*10.0-127*		*05/04/2021 03:57*	WG1663049
(S) 2-Fluorobiphenyl	*97.2*			*10.0-130*		*05/04/2021 03:57*	WG1663049
(S) 2-Fluorobiphenyl	*97.2*			*10.0-130*		*05/03/2021 17:59*	WG1663049
(S) 2,4,6-Tribromophenol	*110*			*10.0-155*		*05/03/2021 17:59*	WG1663049
(S) 2,4,6-Tribromophenol	*82.5*			*10.0-155*		*05/04/2021 03:57*	WG1663049
(S) p-Terphenyl-d14	*86.1*			*10.0-128*		*05/03/2021 17:59*	WG1663049
(S) p-Terphenyl-d14	*96.5*			*10.0-128*		*05/04/2021 03:57*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	05/04/2021 10:07	WG1663668
Acenaphthene	U		0.0190	0.0500	1	05/04/2021 10:07	WG1663668
Acenaphthylene	U		0.0171	0.0500	1	05/04/2021 10:07	WG1663668
Benzo(a)anthracene	U		0.0203	0.0500	1	05/04/2021 10:07	WG1663668
Benzo(a)pyrene	U		0.0184	0.0500	1	05/04/2021 10:07	WG1663668
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/04/2021 10:07	WG1663668
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/04/2021 10:07	WG1663668
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/04/2021 10:07	WG1663668
Chrysene	U		0.0179	0.0500	1	05/04/2021 10:07	WG1663668
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/04/2021 10:07	WG1663668
Dibenzofuran	U		0.0191	0.0500	1	05/04/2021 10:07	WG1663668
Fluoranthene	U		0.0270	0.100	1	05/04/2021 10:07	WG1663668
Fluorene	U		0.0169	0.0500	1	05/04/2021 10:07	WG1663668
Hexachlorobenzene	U		0.00670	0.0500	1	05/04/2021 10:07	WG1663668
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/04/2021 10:07	WG1663668
Naphthalene	U		0.0917	0.250	1	05/04/2021 10:07	WG1663668
Phenanthrene	U		0.0180	0.0500	1	05/04/2021 10:07	WG1663668
Pyrene	U		0.0169	0.0500	1	05/04/2021 10:07	WG1663668
1-Methylnaphthalene	U		0.0687	0.250	1	05/04/2021 10:07	WG1663668

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/04/2021 10:07	WG1663668
2-Chloronaphthalene	U		0.0682	0.250	1	05/04/2021 10:07	WG1663668
(S) Nitrobenzene-d5	*96.5*			*31.0-160*		*05/04/2021 10:07*	WG1663668
(S) 2-Fluorobiphenyl	*113*			*48.0-148*		*05/04/2021 10:07*	WG1663668
(S) p-Terphenyl-d14	*134*			*37.0-146*		*05/04/2021 10:07*	WG1663668

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	0.887	J	0.849	2.00	1	05/14/2021 13:27	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 16:21	WG1662803
Acetone	U		11.3	25.0	1	05/02/2021 22:43	WG1662731
Acrylonitrile	U		0.671	5.00	1	05/02/2021 22:43	WG1662731
Benzene	U		0.0941	0.500	1	05/02/2021 22:43	WG1662731
Bromobenzene	U		0.118	0.500	1	05/02/2021 22:43	WG1662731
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 22:43	WG1662731
Bromochloromethane	U		0.128	0.500	1	05/02/2021 22:43	WG1662731
Bromoform	U		0.129	0.500	1	05/02/2021 22:43	WG1662731
Bromomethane	U	J3	0.605	2.50	1	05/02/2021 22:43	WG1662731
n-Butylbenzene	U	C3 J3	0.157	0.500	1	05/02/2021 22:43	WG1662731
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 22:43	WG1662731
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 22:43	WG1662731
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 22:43	WG1662731
Carbon tetrachloride	U	J3	0.128	0.500	1	05/02/2021 22:43	WG1662731
Chlorobenzene	U		0.117	0.500	1	05/02/2021 22:43	WG1662731
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 22:43	WG1662731
Chloroethane	U		0.192	2.50	1	05/02/2021 22:43	WG1662731
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/02/2021 22:43	WG1662731
Chloroform	U		0.111	0.500	1	05/02/2021 22:43	WG1662731
Chloromethane	U	J3	0.960	1.25	1	05/02/2021 22:43	WG1662731
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 22:43	WG1662731
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 22:43	WG1662731
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 22:43	WG1662731
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 22:43	WG1662731
Dibromomethane	U		0.122	0.500	1	05/02/2021 22:43	WG1662731
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 22:43	WG1662731
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 22:43	WG1662731
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 22:43	WG1662731
Dichlorodifluoromethane	U	J3	0.374	2.50	1	05/02/2021 22:43	WG1662731
1,1-Dichloroethane	U		0.100	0.500	1	05/02/2021 22:43	WG1662731
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 22:43	WG1662731
1,1-Dichloroethene	U	C3 J3	0.188	0.500	1	05/02/2021 22:43	WG1662731
cis-1,2-Dichloroethene	U	J3	0.126	0.500	1	05/02/2021 22:43	WG1662731
trans-1,2-Dichloroethene	U	J3	0.149	0.500	1	05/02/2021 22:43	WG1662731
1,2-Dichloropropane	U		0.149	0.500	1	05/02/2021 22:43	WG1662731
1,1-Dichloropropene	U	J3	0.142	0.500	1	05/02/2021 22:43	WG1662731
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 22:43	WG1662731
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 22:43	WG1662731
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 22:43	WG1662731
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 22:43	WG1662731
2,2-Dichloropropane	U	J3	0.161	0.500	1	05/02/2021 22:43	WG1662731
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 22:43	WG1662731
Ethylbenzene	U	J3	0.137	0.500	1	05/02/2021 22:43	WG1662731
Hexachloro-1,3-butadiene	U	C3 J3	0.337	1.00	1	05/02/2021 22:43	WG1662731
2-Hexanone	U		0.787	5.00	1	05/02/2021 22:43	WG1662731
n-Hexane	U	J3	0.749	5.00	1	05/02/2021 22:43	WG1662731
Iodomethane	U		0.554	5.00	1	05/02/2021 22:43	WG1662731
Isopropylbenzene	U	J3	0.105	0.500	1	05/02/2021 22:43	WG1662731
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2021 22:43	WG1662731
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 22:43	WG1662731

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	05/02/2021 22:43	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 22:43	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 22:43	WG1662731
Naphthalene	U	J3	0.174	2.50	1	05/02/2021 22:43	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 22:43	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 22:43	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 22:43	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 22:43	WG1662731
1,1,2-Trichlorotrifluoroethane	U	C3 J3 J4	0.180	0.500	1	05/02/2021 22:43	WG1662731
Tetrachloroethene	U	C3 J3	0.300	0.500	1	05/02/2021 22:43	WG1662731
Toluene	U	C3 J3 J4	0.278	0.500	1	05/02/2021 22:43	WG1662731
1,2,3-Trichlorobenzene	U	C3 J3	0.164	0.500	1	05/02/2021 22:43	WG1662731
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	05/02/2021 22:43	WG1662731
1,1,1-Trichloroethane	U	J3	0.149	0.500	1	05/02/2021 22:43	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 22:43	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 22:43	WG1662731
Trichlorofluoromethane	U	J3	0.160	2.50	1	05/02/2021 22:43	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 22:43	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 22:43	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 22:43	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 22:43	WG1662731
Vinyl acetate	U	J3	0.692	5.00	1	05/02/2021 22:43	WG1662731
Vinyl chloride	U	J3	0.234	0.500	1	05/02/2021 22:43	WG1662731
Xylenes, Total	U	J3	0.174	1.50	1	05/02/2021 22:43	WG1662731
(S) Toluene-d8	*103*			*80.0-120*		*05/02/2021 22:43*	WG1662731
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/02/2021 22:43*	WG1662731
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*05/02/2021 22:43*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	05/04/2021 06:07	WG1662887
Atrazine	U		0.255	10.0	1	05/04/2021 06:07	WG1662887
Benzaldehyde	U		1.69	10.0	1	05/04/2021 06:07	WG1662887
Biphenyl	U		0.790	10.0	1	05/04/2021 06:07	WG1662887
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/04/2021 06:07	WG1662887
Bis(2-chloroethyl)ether	U		0.137	10.0	1	05/04/2021 06:07	WG1662887
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/04/2021 06:07	WG1662887
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/04/2021 06:07	WG1662887
Caprolactam	U		0.309	10.0	1	05/04/2021 06:07	WG1662887
Carbazole	U		0.111	10.0	1	05/04/2021 06:07	WG1662887
4-Chloroaniline	U		0.234	5.00	1	05/04/2021 06:07	WG1662887
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/04/2021 06:07	WG1662887
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/04/2021 06:07	WG1662887
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/04/2021 06:07	WG1662887
2,6-Dinitrotoluene	U		0.250	5.00	1	05/04/2021 06:07	WG1662887
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/04/2021 06:07	WG1662887
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/04/2021 06:07	WG1662887
Hexachloroethane	U		0.127	5.00	1	05/04/2021 06:07	WG1662887
Isophorone	U		0.143	10.0	1	05/04/2021 06:07	WG1662887
2-Nitroaniline	U		0.102	5.00	1	05/04/2021 06:07	WG1662887
3-Nitroaniline	U		0.0869	5.00	1	05/04/2021 06:07	WG1662887
4-Nitroaniline	U		0.0910	5.00	1	05/04/2021 06:07	WG1662887
Nitrobenzene	U		0.297	10.0	1	05/04/2021 06:07	WG1662887
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/04/2021 06:07	WG1662887
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/04/2021 06:07	WG1662887

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	05/04/2021 06:07	WG1662887
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/04/2021 06:07	WG1662887
Di-n-butyl phthalate	U		0.453	3.00	1	05/04/2021 06:07	WG1662887
Diethyl phthalate	U		0.287	3.00	1	05/04/2021 06:07	WG1662887
Dimethyl phthalate	U		0.260	3.00	1	05/04/2021 06:07	WG1662887
Di-n-octyl phthalate	U		0.932	3.00	1	05/04/2021 06:07	WG1662887
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/04/2021 06:07	WG1662887
4-Chloro-3-methylphenol	U		0.131	10.0	1	05/04/2021 06:07	WG1662887
2-Chlorophenol	U		0.133	1.00	1	05/04/2021 06:07	WG1662887
2-Methylphenol	U		0.0929	1.00	1	05/04/2021 06:07	WG1662887
3&4-Methyl Phenol	U		0.168	1.00	1	05/04/2021 06:07	WG1662887
2,4-Dichlorophenol	U		0.102	5.00	1	05/04/2021 06:07	WG1662887
2,4-Dimethylphenol	U		0.0636	10.0	1	05/04/2021 06:07	WG1662887
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/04/2021 06:07	WG1662887
2,4-Dinitrophenol	U		5.93	10.0	1	05/04/2021 06:07	WG1662887
2-Nitrophenol	U		0.117	1.00	1	05/04/2021 06:07	WG1662887
4-Nitrophenol	U		0.143	10.0	1	05/04/2021 06:07	WG1662887
Pentachlorophenol	U		0.313	1.00	1	05/04/2021 06:07	WG1662887
Phenol	U		4.33	10.0	1	05/04/2021 06:07	WG1662887
2,4,5-Trichlorophenol	U		0.109	10.0	1	05/04/2021 06:07	WG1662887
2,4,6-Trichlorophenol	U		0.100	10.0	1	05/04/2021 06:07	WG1662887
(S) 2-Fluorophenol	*66.7*			*10.0-120*		*05/04/2021 06:07*	WG1662887
(S) Phenol-d5	*44.8*			*10.0-120*		*05/04/2021 06:07*	WG1662887
(S) Nitrobenzene-d5	*102*			*10.0-127*		*05/04/2021 06:07*	WG1662887
(S) 2-Fluorobiphenyl	*102*			*10.0-130*		*05/04/2021 06:07*	WG1662887
(S) 2,4,6-Tribromophenol	*84.1*			*10.0-155*		*05/04/2021 06:07*	WG1662887
(S) p-Terphenyl-d14	*96.8*			*10.0-128*		*05/04/2021 06:07*	WG1662887

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/01/2021 03:28	WG1661791
Acenaphthene	U		0.0190	0.0500	1	05/01/2021 03:28	WG1661791
Acenaphthylene	U		0.0171	0.0500	1	05/01/2021 03:28	WG1661791
Benzo(a)anthracene	U		0.0203	0.0500	1	05/01/2021 03:28	WG1661791
Benzo(a)pyrene	U		0.0184	0.0500	1	05/01/2021 03:28	WG1661791
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/01/2021 03:28	WG1661791
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/01/2021 03:28	WG1661791
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/01/2021 03:28	WG1661791
Chrysene	U		0.0179	0.0500	1	05/01/2021 03:28	WG1661791
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/01/2021 03:28	WG1661791
Dibenzofuran	U		0.0191	0.0500	1	05/01/2021 03:28	WG1661791
Fluoranthene	U		0.0270	0.100	1	05/01/2021 03:28	WG1661791
Fluorene	U		0.0169	0.0500	1	05/01/2021 03:28	WG1661791
Hexachlorobenzene	U		0.00670	0.0500	1	05/01/2021 03:28	WG1661791
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/01/2021 03:28	WG1661791
Naphthalene	U		0.0917	0.250	1	05/01/2021 03:28	WG1661791
Phenanthrene	U		0.0180	0.0500	1	05/01/2021 03:28	WG1661791
Pyrene	U		0.0169	0.0500	1	05/01/2021 03:28	WG1661791
1-Methylnaphthalene	U		0.0687	0.250	1	05/01/2021 03:28	WG1661791
2-Methylnaphthalene	U		0.0674	0.250	1	05/01/2021 03:28	WG1661791
2-Chloronaphthalene	U		0.0682	0.250	1	05/01/2021 03:28	WG1661791
(S) Nitrobenzene-d5	*101*			*31.0-160*		*05/01/2021 03:28*	WG1661791
(S) 2-Fluorobiphenyl	*105*			*48.0-148*		*05/01/2021 03:28*	WG1661791
(S) p-Terphenyl-d14	*123*			*37.0-146*		*05/01/2021 03:28*	WG1661791

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 13:30	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 16:44	WG1662803
Acetone	U		11.3	25.0	1	05/02/2021 17:07	WG1662731
Acrylonitrile	U		0.671	5.00	1	05/02/2021 17:07	WG1662731
Benzene	U		0.0941	0.500	1	05/02/2021 17:07	WG1662731
Bromobenzene	U		0.118	0.500	1	05/02/2021 17:07	WG1662731
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 17:07	WG1662731
Bromochloromethane	U		0.128	0.500	1	05/02/2021 17:07	WG1662731
Bromoform	U		0.129	0.500	1	05/02/2021 17:07	WG1662731
Bromomethane	U	J3	0.605	2.50	1	05/02/2021 17:07	WG1662731
n-Butylbenzene	U	C3 J3	0.157	0.500	1	05/02/2021 17:07	WG1662731
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 17:07	WG1662731
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 17:07	WG1662731
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 17:07	WG1662731
Carbon tetrachloride	U	J3	0.128	0.500	1	05/02/2021 17:07	WG1662731
Chlorobenzene	U		0.117	0.500	1	05/02/2021 17:07	WG1662731
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 17:07	WG1662731
Chloroethane	U		0.192	2.50	1	05/02/2021 17:07	WG1662731
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/02/2021 17:07	WG1662731
Chloroform	U		0.111	0.500	1	05/02/2021 17:07	WG1662731
Chloromethane	U	J3	0.960	1.25	1	05/02/2021 17:07	WG1662731
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 17:07	WG1662731
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 17:07	WG1662731
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 17:07	WG1662731
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 17:07	WG1662731
Dibromomethane	U		0.122	0.500	1	05/02/2021 17:07	WG1662731
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 17:07	WG1662731
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 17:07	WG1662731
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 17:07	WG1662731
Dichlorodifluoromethane	U	J3	0.374	2.50	1	05/02/2021 17:07	WG1662731
1,1-Dichloroethane	U		0.100	0.500	1	05/02/2021 17:07	WG1662731
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 17:07	WG1662731
1,1-Dichloroethene	U	C3 J3	0.188	0.500	1	05/02/2021 17:07	WG1662731
cis-1,2-Dichloroethene	U	J3	0.126	0.500	1	05/02/2021 17:07	WG1662731
trans-1,2-Dichloroethene	U	J3	0.149	0.500	1	05/02/2021 17:07	WG1662731
1,2-Dichloropropane	U		0.149	0.500	1	05/02/2021 17:07	WG1662731
1,1-Dichloropropene	U	J3	0.142	0.500	1	05/02/2021 17:07	WG1662731
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 17:07	WG1662731
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 17:07	WG1662731
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 17:07	WG1662731
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 17:07	WG1662731
2,2-Dichloropropane	U	J3	0.161	0.500	1	05/02/2021 17:07	WG1662731
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 17:07	WG1662731
Ethylbenzene	U	J3	0.137	0.500	1	05/02/2021 17:07	WG1662731
Hexachloro-1,3-butadiene	U	C3 J3	0.337	1.00	1	05/02/2021 17:07	WG1662731
2-Hexanone	U		0.787	5.00	1	05/02/2021 17:07	WG1662731
n-Hexane	U	J3	0.749	5.00	1	05/02/2021 17:07	WG1662731
Iodomethane	U		0.554	5.00	1	05/02/2021 17:07	WG1662731
Isopropylbenzene	U	J3	0.105	0.500	1	05/02/2021 17:07	WG1662731
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2021 17:07	WG1662731
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 17:07	WG1662731

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	05/02/2021 17:07	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 17:07	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 17:07	WG1662731
Naphthalene	U	J3	0.174	2.50	1	05/02/2021 17:07	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 17:07	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 17:07	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 17:07	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 17:07	WG1662731
1,1,2-Trichlorotrifluoroethane	U	C3 J3 J4	0.180	0.500	1	05/02/2021 17:07	WG1662731
Tetrachloroethene	U	C3 J3	0.300	0.500	1	05/02/2021 17:07	WG1662731
Toluene	U	C3 J3 J4	0.278	0.500	1	05/02/2021 17:07	WG1662731
1,2,3-Trichlorobenzene	U	C3 J3	0.164	0.500	1	05/02/2021 17:07	WG1662731
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	05/02/2021 17:07	WG1662731
1,1,1-Trichloroethane	U	J3	0.149	0.500	1	05/02/2021 17:07	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 17:07	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 17:07	WG1662731
Trichlorofluoromethane	U	J3	0.160	2.50	1	05/02/2021 17:07	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 17:07	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 17:07	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 17:07	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 17:07	WG1662731
Vinyl acetate	U	J3	0.692	5.00	1	05/02/2021 17:07	WG1662731
Vinyl chloride	U	J3	0.234	0.500	1	05/02/2021 17:07	WG1662731
Xylenes, Total	U	J3	0.174	1.50	1	05/02/2021 17:07	WG1662731
(S) Toluene-d8	*103*			*80.0-120*		*05/02/2021 17:07*	WG1662731
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*05/02/2021 17:07*	WG1662731
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/02/2021 17:07*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	05/04/2021 06:28	WG1662887
Atrazine	U		0.255	10.0	1	05/04/2021 06:28	WG1662887
Benzaldehyde	U		1.69	10.0	1	05/04/2021 06:28	WG1662887
Biphenyl	U		0.790	10.0	1	05/04/2021 06:28	WG1662887
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/04/2021 06:28	WG1662887
Bis(2-chloroethyl)ether	U		0.137	10.0	1	05/04/2021 06:28	WG1662887
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/04/2021 06:28	WG1662887
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/04/2021 06:28	WG1662887
Caprolactam	U		0.309	10.0	1	05/04/2021 06:28	WG1662887
Carbazole	U		0.111	10.0	1	05/04/2021 06:28	WG1662887
4-Chloroaniline	U		0.234	5.00	1	05/04/2021 06:28	WG1662887
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/04/2021 06:28	WG1662887
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/04/2021 06:28	WG1662887
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/04/2021 06:28	WG1662887
2,6-Dinitrotoluene	U		0.250	5.00	1	05/04/2021 06:28	WG1662887
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/04/2021 06:28	WG1662887
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/04/2021 06:28	WG1662887
Hexachloroethane	U		0.127	5.00	1	05/04/2021 06:28	WG1662887
Isophorone	U		0.143	10.0	1	05/04/2021 06:28	WG1662887
2-Nitroaniline	U		0.102	5.00	1	05/04/2021 06:28	WG1662887
3-Nitroaniline	U		0.0869	5.00	1	05/04/2021 06:28	WG1662887
4-Nitroaniline	U		0.0910	5.00	1	05/04/2021 06:28	WG1662887
Nitrobenzene	U		0.297	10.0	1	05/04/2021 06:28	WG1662887
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/04/2021 06:28	WG1662887
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/04/2021 06:28	WG1662887

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	05/04/2021 06:28	WG1662887
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/04/2021 06:28	WG1662887
Di-n-butyl phthalate	U		0.453	3.00	1	05/04/2021 06:28	WG1662887
Diethyl phthalate	U		0.287	3.00	1	05/04/2021 06:28	WG1662887
Dimethyl phthalate	U		0.260	3.00	1	05/04/2021 06:28	WG1662887
Di-n-octyl phthalate	U		0.932	3.00	1	05/04/2021 06:28	WG1662887
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/04/2021 06:28	WG1662887
4-Chloro-3-methylphenol	U		0.131	10.0	1	05/04/2021 06:28	WG1662887
2-Chlorophenol	U		0.133	1.00	1	05/04/2021 06:28	WG1662887
2-Methylphenol	U		0.0929	1.00	1	05/04/2021 06:28	WG1662887
3&4-Methyl Phenol	U		0.168	1.00	1	05/04/2021 06:28	WG1662887
2,4-Dichlorophenol	U		0.102	5.00	1	05/04/2021 06:28	WG1662887
2,4-Dimethylphenol	U		0.0636	10.0	1	05/04/2021 06:28	WG1662887
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/04/2021 06:28	WG1662887
2,4-Dinitrophenol	U		5.93	10.0	1	05/04/2021 06:28	WG1662887
2-Nitrophenol	U		0.117	1.00	1	05/04/2021 06:28	WG1662887
4-Nitrophenol	U		0.143	10.0	1	05/04/2021 06:28	WG1662887
Pentachlorophenol	U		0.313	1.00	1	05/04/2021 06:28	WG1662887
Phenol	U		4.33	10.0	1	05/04/2021 06:28	WG1662887
2,4,5-Trichlorophenol	U		0.109	10.0	1	05/04/2021 06:28	WG1662887
2,4,6-Trichlorophenol	U		0.100	10.0	1	05/04/2021 06:28	WG1662887
(S) 2-Fluorophenol	*69.1*			*10.0-120*		*05/04/2021 06:28*	WG1662887
(S) Phenol-d5	*46.9*			*10.0-120*		*05/04/2021 06:28*	WG1662887
(S) Nitrobenzene-d5	*99.3*			*10.0-127*		*05/04/2021 06:28*	WG1662887
(S) 2-Fluorobiphenyl	*101*			*10.0-130*		*05/04/2021 06:28*	WG1662887
(S) 2,4,6-Tribromophenol	*76.3*			*10.0-155*		*05/04/2021 06:28*	WG1662887
(S) p-Terphenyl-d14	*99.0*			*10.0-128*		*05/04/2021 06:28*	WG1662887

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/01/2021 03:48	WG1661791
Acenaphthene	U		0.0190	0.0500	1	05/01/2021 03:48	WG1661791
Acenaphthylene	U		0.0171	0.0500	1	05/01/2021 03:48	WG1661791
Benzo(a)anthracene	U		0.0203	0.0500	1	05/01/2021 03:48	WG1661791
Benzo(a)pyrene	U		0.0184	0.0500	1	05/01/2021 03:48	WG1661791
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/01/2021 03:48	WG1661791
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/01/2021 03:48	WG1661791
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/01/2021 03:48	WG1661791
Chrysene	U		0.0179	0.0500	1	05/01/2021 03:48	WG1661791
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/01/2021 03:48	WG1661791
Dibenzofuran	U		0.0191	0.0500	1	05/01/2021 03:48	WG1661791
Fluoranthene	U		0.0270	0.100	1	05/01/2021 03:48	WG1661791
Fluorene	U		0.0169	0.0500	1	05/01/2021 03:48	WG1661791
Hexachlorobenzene	U		0.00670	0.0500	1	05/01/2021 03:48	WG1661791
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/01/2021 03:48	WG1661791
Naphthalene	U		0.0917	0.250	1	05/01/2021 03:48	WG1661791
Phenanthrene	U		0.0180	0.0500	1	05/01/2021 03:48	WG1661791
Pyrene	U		0.0169	0.0500	1	05/01/2021 03:48	WG1661791
1-Methylnaphthalene	U		0.0687	0.250	1	05/01/2021 03:48	WG1661791
2-Methylnaphthalene	U		0.0674	0.250	1	05/01/2021 03:48	WG1661791
2-Chloronaphthalene	U		0.0682	0.250	1	05/01/2021 03:48	WG1661791
(S) Nitrobenzene-d5	*105*			*31.0-160*		*05/01/2021 03:48*	WG1661791
(S) 2-Fluorobiphenyl	*106*			*48.0-148*		*05/01/2021 03:48*	WG1661791
(S) p-Terphenyl-d14	*131*			*37.0-146*		*05/01/2021 03:48*	WG1661791

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 13:33	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 17:08	WG1662803
Acetone	U		11.3	25.0	1	05/03/2021 01:28	WG1663036
Acrylonitrile	U		0.671	5.00	1	05/03/2021 01:28	WG1663036
Benzene	U		0.0941	0.500	1	05/03/2021 01:28	WG1663036
Bromobenzene	U		0.118	0.500	1	05/03/2021 01:28	WG1663036
Bromodichloromethane	U		0.136	0.500	1	05/03/2021 01:28	WG1663036
Bromochloromethane	U		0.128	0.500	1	05/03/2021 01:28	WG1663036
Bromoform	U		0.129	0.500	1	05/03/2021 01:28	WG1663036
Bromomethane	U		0.605	2.50	1	05/03/2021 01:28	WG1663036
n-Butylbenzene	U		0.157	0.500	1	05/03/2021 01:28	WG1663036
sec-Butylbenzene	U		0.125	0.500	1	05/03/2021 01:28	WG1663036
tert-Butylbenzene	U		0.127	0.500	1	05/03/2021 01:28	WG1663036
Carbon disulfide	U		0.0962	0.500	1	05/03/2021 01:28	WG1663036
Carbon tetrachloride	U		0.128	0.500	1	05/03/2021 01:28	WG1663036
Chlorobenzene	U		0.117	0.500	1	05/03/2021 01:28	WG1663036
Chlorodibromomethane	U		0.140	0.500	1	05/03/2021 01:28	WG1663036
Chloroethane	U		0.192	2.50	1	05/03/2021 01:28	WG1663036
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/03/2021 01:28	WG1663036
Chloroform	U		0.111	0.500	1	05/03/2021 01:28	WG1663036
Chloromethane	U		0.960	1.25	1	05/03/2021 01:28	WG1663036
2-Chlorotoluene	U		0.106	0.500	1	05/03/2021 01:28	WG1663036
4-Chlorotoluene	U		0.114	0.500	1	05/03/2021 01:28	WG1663036
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/03/2021 01:28	WG1663036
1,2-Dibromoethane	U		0.126	0.500	1	05/03/2021 01:28	WG1663036
Dibromomethane	U	J4	0.122	0.500	1	05/03/2021 01:28	WG1663036
1,2-Dichlorobenzene	U		0.107	0.500	1	05/03/2021 01:28	WG1663036
1,3-Dichlorobenzene	U		0.299	0.500	1	05/03/2021 01:28	WG1663036
1,4-Dichlorobenzene	U		0.120	0.500	1	05/03/2021 01:28	WG1663036
Dichlorodifluoromethane	U		0.374	2.50	1	05/03/2021 01:28	WG1663036
1,1-Dichloroethane	U		0.100	0.500	1	05/03/2021 01:28	WG1663036
1,2-Dichloroethane	U		0.0819	0.500	1	05/03/2021 01:28	WG1663036
1,1-Dichloroethene	U		0.188	0.500	1	05/03/2021 01:28	WG1663036
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/03/2021 01:28	WG1663036
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/03/2021 01:28	WG1663036
1,2-Dichloropropane	U		0.149	0.500	1	05/03/2021 01:28	WG1663036
1,1-Dichloropropene	U		0.142	0.500	1	05/03/2021 01:28	WG1663036
1,3-Dichloropropane	U		0.109	1.00	1	05/03/2021 01:28	WG1663036
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/03/2021 01:28	WG1663036
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/03/2021 01:28	WG1663036
trans-1,4-Dichloro-2-butene	U	C3	0.467	5.00	1	05/03/2021 01:28	WG1663036
2,2-Dichloropropane	U		0.161	0.500	1	05/03/2021 01:28	WG1663036
Di-isopropyl ether	U		0.105	0.500	1	05/03/2021 01:28	WG1663036
Ethylbenzene	U		0.137	0.500	1	05/03/2021 01:28	WG1663036
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/03/2021 01:28	WG1663036
2-Hexanone	U		0.787	5.00	1	05/03/2021 01:28	WG1663036
n-Hexane	U	J4	0.749	5.00	1	05/03/2021 01:28	WG1663036
Iodomethane	U		0.554	5.00	1	05/03/2021 01:28	WG1663036
Isopropylbenzene	U		0.105	0.500	1	05/03/2021 01:28	WG1663036
p-Isopropyltoluene	U		0.120	0.500	1	05/03/2021 01:28	WG1663036
2-Butanone (MEK)	U		1.19	5.00	1	05/03/2021 01:28	WG1663036

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	05/03/2021 01:28	WG1663036
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/03/2021 01:28	WG1663036
Methyl tert-butyl ether	U		0.101	0.500	1	05/03/2021 01:28	WG1663036
Naphthalene	U		0.174	2.50	1	05/03/2021 01:28	WG1663036
n-Propylbenzene	U		0.0993	0.500	1	05/03/2021 01:28	WG1663036
Styrene	U		0.118	0.500	1	05/03/2021 01:28	WG1663036
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/03/2021 01:28	WG1663036
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/03/2021 01:28	WG1663036
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/03/2021 01:28	WG1663036
Tetrachloroethene	U		0.300	0.500	1	05/03/2021 01:28	WG1663036
Toluene	U		0.278	0.500	1	05/03/2021 01:28	WG1663036
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2021 01:28	WG1663036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/03/2021 01:28	WG1663036
1,1,1-Trichloroethane	U		0.149	0.500	1	05/03/2021 01:28	WG1663036
1,1,2-Trichloroethane	U		0.158	0.500	1	05/03/2021 01:28	WG1663036
Trichloroethene	U		0.190	0.500	1	05/03/2021 01:28	WG1663036
Trichlorofluoromethane	U		0.160	2.50	1	05/03/2021 01:28	WG1663036
1,2,3-Trichloropropane	U		0.237	2.50	1	05/03/2021 01:28	WG1663036
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/03/2021 01:28	WG1663036
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 01:28	WG1663036
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 01:28	WG1663036
Vinyl acetate	U		0.692	5.00	1	05/03/2021 01:28	WG1663036
Vinyl chloride	U		0.234	0.500	1	05/03/2021 01:28	WG1663036
Xylenes, Total	U		0.174	1.50	1	05/03/2021 01:28	WG1663036
(S) Toluene-d8	*103*			*80.0-120*		*05/03/2021 01:28*	WG1663036
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*05/03/2021 01:28*	WG1663036
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*05/03/2021 01:28*	WG1663036

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	05/03/2021 18:21	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 18:21	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 04:18	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 18:21	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 18:21	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 18:21	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 18:21	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 18:21	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 18:21	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 18:21	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 18:21	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 18:21	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 18:21	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 18:21	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 18:21	WG1663049
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 18:21	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 18:21	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 18:21	WG1663049
Isophorone	U		0.143	10.0	1	05/03/2021 18:21	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 18:21	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 18:21	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 18:21	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 18:21	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 18:21	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 18:21	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 18:21	WG1663049
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 18:21	WG1663049
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 18:21	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 18:21	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 18:21	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 18:21	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 18:21	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 18:21	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 18:21	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 18:21	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 18:21	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 18:21	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 18:21	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 18:21	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 18:21	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 18:21	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 18:21	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 18:21	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 18:21	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 18:21	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 18:21	WG1663049
(S) 2-Fluorophenol	*58.5*			*10.0-120*		*05/03/2021 18:21*	WG1663049
(S) 2-Fluorophenol	*63.0*			*10.0-120*		*05/04/2021 04:18*	WG1663049
(S) Phenol-d5	*41.8*			*10.0-120*		*05/04/2021 04:18*	WG1663049
(S) Phenol-d5	*40.1*			*10.0-120*		*05/03/2021 18:21*	WG1663049
(S) Nitrobenzene-d5	*82.7*			*10.0-127*		*05/03/2021 18:21*	WG1663049
(S) Nitrobenzene-d5	*99.5*			*10.0-127*		*05/04/2021 04:18*	WG1663049
(S) 2-Fluorobiphenyl	*102*			*10.0-130*		*05/04/2021 04:18*	WG1663049
(S) 2-Fluorobiphenyl	*97.9*			*10.0-130*		*05/03/2021 18:21*	WG1663049
(S) 2,4,6-Tribromophenol	*110*			*10.0-155*		*05/03/2021 18:21*	WG1663049
(S) 2,4,6-Tribromophenol	*68.5*			*10.0-155*		*05/04/2021 04:18*	WG1663049
(S) p-Terphenyl-d14	*101*			*10.0-128*		*05/04/2021 04:18*	WG1663049
(S) p-Terphenyl-d14	*89.3*			*10.0-128*		*05/03/2021 18:21*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	05/03/2021 23:28	WG1662886
Acenaphthene	U		0.0190	0.0500	1	05/03/2021 23:28	WG1662886
Acenaphthylene	U		0.0171	0.0500	1	05/03/2021 23:28	WG1662886
Benzo(a)anthracene	U		0.0203	0.0500	1	05/03/2021 23:28	WG1662886
Benzo(a)pyrene	U		0.0184	0.0500	1	05/03/2021 23:28	WG1662886
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/03/2021 23:28	WG1662886
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/03/2021 23:28	WG1662886
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/03/2021 23:28	WG1662886
Chrysene	U		0.0179	0.0500	1	05/03/2021 23:28	WG1662886
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/03/2021 23:28	WG1662886
Dibenzofuran	U		0.0191	0.0500	1	05/03/2021 23:28	WG1662886
Fluoranthene	U		0.0270	0.100	1	05/03/2021 23:28	WG1662886
Fluorene	U		0.0169	0.0500	1	05/03/2021 23:28	WG1662886
Hexachlorobenzene	U		0.00670	0.0500	1	05/03/2021 23:28	WG1662886
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/03/2021 23:28	WG1662886
Naphthalene	U		0.0917	0.250	1	05/03/2021 23:28	WG1662886
Phenanthrene	U		0.0180	0.0500	1	05/03/2021 23:28	WG1662886
Pyrene	U		0.0169	0.0500	1	05/03/2021 23:28	WG1662886
1-Methylnaphthalene	U		0.0687	0.250	1	05/03/2021 23:28	WG1662886

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/03/2021 23:28	WG1662886
2-Chloronaphthalene	U		0.0682	0.250	1	05/03/2021 23:28	WG1662886
(S) Nitrobenzene-d5	*103*			*31.0-160*		*05/03/2021 23:28*	WG1662886
(S) 2-Fluorobiphenyl	*87.4*			*48.0-148*		*05/03/2021 23:28*	WG1662886
(S) p-Terphenyl-d14	*99.5*			*37.0-146*		*05/03/2021 23:28*	WG1662886

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 13:37	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 17:31	WG1662803
Acetone	U		11.3	25.0	1	05/03/2021 01:47	WG1663036
Acrylonitrile	U		0.671	5.00	1	05/03/2021 01:47	WG1663036
Benzene	U		0.0941	0.500	1	05/03/2021 01:47	WG1663036
Bromobenzene	U		0.118	0.500	1	05/03/2021 01:47	WG1663036
Bromodichloromethane	U		0.136	0.500	1	05/03/2021 01:47	WG1663036
Bromochloromethane	U		0.128	0.500	1	05/03/2021 01:47	WG1663036
Bromoform	U		0.129	0.500	1	05/03/2021 01:47	WG1663036
Bromomethane	U		0.605	2.50	1	05/03/2021 01:47	WG1663036
n-Butylbenzene	U		0.157	0.500	1	05/03/2021 01:47	WG1663036
sec-Butylbenzene	U		0.125	0.500	1	05/03/2021 01:47	WG1663036
tert-Butylbenzene	U		0.127	0.500	1	05/03/2021 01:47	WG1663036
Carbon disulfide	U		0.0962	0.500	1	05/03/2021 01:47	WG1663036
Carbon tetrachloride	U		0.128	0.500	1	05/03/2021 01:47	WG1663036
Chlorobenzene	U		0.117	0.500	1	05/03/2021 01:47	WG1663036
Chlorodibromomethane	U		0.140	0.500	1	05/03/2021 01:47	WG1663036
Chloroethane	U		0.192	2.50	1	05/03/2021 01:47	WG1663036
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/03/2021 01:47	WG1663036
Chloroform	U		0.111	0.500	1	05/03/2021 01:47	WG1663036
Chloromethane	U		0.960	1.25	1	05/03/2021 01:47	WG1663036
2-Chlorotoluene	U		0.106	0.500	1	05/03/2021 01:47	WG1663036
4-Chlorotoluene	U		0.114	0.500	1	05/03/2021 01:47	WG1663036
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/03/2021 01:47	WG1663036
1,2-Dibromoethane	U		0.126	0.500	1	05/03/2021 01:47	WG1663036
Dibromomethane	U	J4	0.122	0.500	1	05/03/2021 01:47	WG1663036
1,2-Dichlorobenzene	U		0.107	0.500	1	05/03/2021 01:47	WG1663036
1,3-Dichlorobenzene	U		0.299	0.500	1	05/03/2021 01:47	WG1663036
1,4-Dichlorobenzene	U		0.120	0.500	1	05/03/2021 01:47	WG1663036
Dichlorodifluoromethane	U		0.374	2.50	1	05/03/2021 01:47	WG1663036
1,1-Dichloroethane	U		0.100	0.500	1	05/03/2021 01:47	WG1663036
1,2-Dichloroethane	U		0.0819	0.500	1	05/03/2021 01:47	WG1663036
1,1-Dichloroethene	U		0.188	0.500	1	05/03/2021 01:47	WG1663036
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/03/2021 01:47	WG1663036
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/03/2021 01:47	WG1663036
1,2-Dichloropropane	U		0.149	0.500	1	05/03/2021 01:47	WG1663036
1,1-Dichloropropene	U		0.142	0.500	1	05/03/2021 01:47	WG1663036
1,3-Dichloropropane	U		0.109	1.00	1	05/03/2021 01:47	WG1663036
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/03/2021 01:47	WG1663036
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/03/2021 01:47	WG1663036
trans-1,4-Dichloro-2-butene	U	C3	0.467	5.00	1	05/03/2021 01:47	WG1663036
2,2-Dichloropropane	U		0.161	0.500	1	05/03/2021 01:47	WG1663036
Di-isopropyl ether	U		0.105	0.500	1	05/03/2021 01:47	WG1663036
Ethylbenzene	U		0.137	0.500	1	05/03/2021 01:47	WG1663036
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/03/2021 01:47	WG1663036
2-Hexanone	U		0.787	5.00	1	05/03/2021 01:47	WG1663036
n-Hexane	U	J4	0.749	5.00	1	05/03/2021 01:47	WG1663036
Iodomethane	U		0.554	5.00	1	05/03/2021 01:47	WG1663036
Isopropylbenzene	U		0.105	0.500	1	05/03/2021 01:47	WG1663036
p-Isopropyltoluene	U		0.120	0.500	1	05/03/2021 01:47	WG1663036
2-Butanone (MEK)	U		1.19	5.00	1	05/03/2021 01:47	WG1663036

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	05/03/2021 01:47	WG1663036
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/03/2021 01:47	WG1663036
Methyl tert-butyl ether	U		0.101	0.500	1	05/03/2021 01:47	WG1663036
Naphthalene	U		0.174	2.50	1	05/03/2021 01:47	WG1663036
n-Propylbenzene	U		0.0993	0.500	1	05/03/2021 01:47	WG1663036
Styrene	U		0.118	0.500	1	05/03/2021 01:47	WG1663036
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/03/2021 01:47	WG1663036
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/03/2021 01:47	WG1663036
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/03/2021 01:47	WG1663036
Tetrachloroethene	U		0.300	0.500	1	05/03/2021 01:47	WG1663036
Toluene	U		0.278	0.500	1	05/03/2021 01:47	WG1663036
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2021 01:47	WG1663036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/03/2021 01:47	WG1663036
1,1,1-Trichloroethane	U		0.149	0.500	1	05/03/2021 01:47	WG1663036
1,1,2-Trichloroethane	U		0.158	0.500	1	05/03/2021 01:47	WG1663036
Trichloroethene	U		0.190	0.500	1	05/03/2021 01:47	WG1663036
Trichlorofluoromethane	U		0.160	2.50	1	05/03/2021 01:47	WG1663036
1,2,3-Trichloropropane	U		0.237	2.50	1	05/03/2021 01:47	WG1663036
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/03/2021 01:47	WG1663036
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 01:47	WG1663036
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 01:47	WG1663036
Vinyl acetate	U		0.692	5.00	1	05/03/2021 01:47	WG1663036
Vinyl chloride	U		0.234	0.500	1	05/03/2021 01:47	WG1663036
Xylenes, Total	U		0.174	1.50	1	05/03/2021 01:47	WG1663036
(S) Toluene-d8	*103*			*80.0-120*		*05/03/2021 01:47*	WG1663036
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*05/03/2021 01:47*	WG1663036
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*05/03/2021 01:47*	WG1663036

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	05/03/2021 18:43	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 18:43	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 04:40	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 18:43	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 18:43	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 18:43	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 18:43	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 18:43	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 18:43	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 18:43	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 18:43	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 18:43	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 18:43	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 18:43	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 18:43	WG1663049
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 18:43	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 18:43	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 18:43	WG1663049
Isophorone	U		0.143	10.0	1	05/03/2021 18:43	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 18:43	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 18:43	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 18:43	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 18:43	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 18:43	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 18:43	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 18:43	WG1663049
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 18:43	WG1663049
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 18:43	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 18:43	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 18:43	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 18:43	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 18:43	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 18:43	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 18:43	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 18:43	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 18:43	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 18:43	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 18:43	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 18:43	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 18:43	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 18:43	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 18:43	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 18:43	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 18:43	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 18:43	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 18:43	WG1663049
(S) 2-Fluorophenol	*51.0*			*10.0-120*		*05/03/2021 18:43*	WG1663049
(S) 2-Fluorophenol	*55.0*			*10.0-120*		*05/04/2021 04:40*	WG1663049
(S) Phenol-d5	*35.1*			*10.0-120*		*05/04/2021 04:40*	WG1663049
(S) Phenol-d5	*33.5*			*10.0-120*		*05/03/2021 18:43*	WG1663049
(S) Nitrobenzene-d5	*93.4*			*10.0-127*		*05/04/2021 04:40*	WG1663049
(S) Nitrobenzene-d5	*78.9*			*10.0-127*		*05/03/2021 18:43*	WG1663049
(S) 2-Fluorobiphenyl	*94.5*			*10.0-130*		*05/04/2021 04:40*	WG1663049
(S) 2-Fluorobiphenyl	*91.1*			*10.0-130*		*05/03/2021 18:43*	WG1663049
(S) 2,4,6-Tribromophenol	*68.5*			*10.0-155*		*05/04/2021 04:40*	WG1663049
(S) 2,4,6-Tribromophenol	*102*			*10.0-155*		*05/03/2021 18:43*	WG1663049
(S) p-Terphenyl-d14	*83.7*			*10.0-128*		*05/03/2021 18:43*	WG1663049
(S) p-Terphenyl-d14	*94.7*			*10.0-128*		*05/04/2021 04:40*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/04/2021 10:16	WG1663668
Acenaphthene	U		0.0190	0.0500	1	05/04/2021 10:16	WG1663668
Acenaphthylene	U		0.0171	0.0500	1	05/04/2021 10:16	WG1663668
Benzo(a)anthracene	U		0.0203	0.0500	1	05/04/2021 10:16	WG1663668
Benzo(a)pyrene	U		0.0184	0.0500	1	05/04/2021 10:16	WG1663668
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/04/2021 10:16	WG1663668
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/04/2021 10:16	WG1663668
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/04/2021 10:16	WG1663668
Chrysene	U		0.0179	0.0500	1	05/04/2021 10:16	WG1663668
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/04/2021 10:16	WG1663668
Dibenzofuran	U		0.0191	0.0500	1	05/04/2021 10:16	WG1663668
Fluoranthene	U		0.0270	0.100	1	05/04/2021 10:16	WG1663668
Fluorene	U		0.0169	0.0500	1	05/04/2021 10:16	WG1663668
Hexachlorobenzene	U		0.00670	0.0500	1	05/04/2021 10:16	WG1663668
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/04/2021 10:16	WG1663668
Naphthalene	U		0.0917	0.250	1	05/04/2021 10:16	WG1663668
Phenanthrene	U		0.0180	0.0500	1	05/04/2021 10:16	WG1663668
Pyrene	U		0.0169	0.0500	1	05/04/2021 10:16	WG1663668
1-Methylnaphthalene	U		0.0687	0.250	1	05/04/2021 10:16	WG1663668

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/04/2021 10:16	WG1663668
2-Chloronaphthalene	U		0.0682	0.250	1	05/04/2021 10:16	WG1663668
(S) Nitrobenzene-d5	*100*			*31.0-160*		*05/04/2021 10:16*	WG1663668
(S) 2-Fluorobiphenyl	*113*			*48.0-148*		*05/04/2021 10:16*	WG1663668
(S) p-Terphenyl-d14	*139*			*37.0-146*		*05/04/2021 10:16*	WG1663668

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	05/03/2021 02:06	WG1663036
Acrylonitrile	U		0.671	5.00	1	05/03/2021 02:06	WG1663036
Benzene	U		0.0941	0.500	1	05/03/2021 02:06	WG1663036
Bromobenzene	U		0.118	0.500	1	05/03/2021 02:06	WG1663036
Bromodichloromethane	U		0.136	0.500	1	05/03/2021 02:06	WG1663036
Bromochloromethane	U		0.128	0.500	1	05/03/2021 02:06	WG1663036
Bromoform	U		0.129	0.500	1	05/03/2021 02:06	WG1663036
Bromomethane	U		0.605	2.50	1	05/03/2021 02:06	WG1663036
n-Butylbenzene	U		0.157	0.500	1	05/03/2021 02:06	WG1663036
sec-Butylbenzene	U		0.125	0.500	1	05/03/2021 02:06	WG1663036
tert-Butylbenzene	U		0.127	0.500	1	05/03/2021 02:06	WG1663036
Carbon disulfide	U		0.0962	0.500	1	05/03/2021 02:06	WG1663036
Carbon tetrachloride	U		0.128	0.500	1	05/03/2021 02:06	WG1663036
Chlorobenzene	U		0.117	0.500	1	05/03/2021 02:06	WG1663036
Chlorodibromomethane	U		0.140	0.500	1	05/03/2021 02:06	WG1663036
Chloroethane	U		0.192	2.50	1	05/03/2021 02:06	WG1663036
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/03/2021 02:06	WG1663036
Chloroform	U		0.111	0.500	1	05/03/2021 02:06	WG1663036
Chloromethane	U		0.960	1.25	1	05/03/2021 02:06	WG1663036
2-Chlorotoluene	U		0.106	0.500	1	05/03/2021 02:06	WG1663036
4-Chlorotoluene	U		0.114	0.500	1	05/03/2021 02:06	WG1663036
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/03/2021 02:06	WG1663036
1,2-Dibromoethane	U		0.126	0.500	1	05/03/2021 02:06	WG1663036
Dibromomethane	U	J4	0.122	0.500	1	05/03/2021 02:06	WG1663036
1,2-Dichlorobenzene	U		0.107	0.500	1	05/03/2021 02:06	WG1663036
1,3-Dichlorobenzene	U		0.299	0.500	1	05/03/2021 02:06	WG1663036
1,4-Dichlorobenzene	U		0.120	0.500	1	05/03/2021 02:06	WG1663036
Dichlorodifluoromethane	U		0.374	2.50	1	05/03/2021 02:06	WG1663036
1,1-Dichloroethane	U		0.100	0.500	1	05/03/2021 02:06	WG1663036
1,2-Dichloroethane	U		0.0819	0.500	1	05/03/2021 02:06	WG1663036
1,1-Dichloroethene	U		0.188	0.500	1	05/03/2021 02:06	WG1663036
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/03/2021 02:06	WG1663036
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/03/2021 02:06	WG1663036
1,2-Dichloropropane	U		0.149	0.500	1	05/03/2021 02:06	WG1663036
1,1-Dichloropropene	U		0.142	0.500	1	05/03/2021 02:06	WG1663036
1,3-Dichloropropane	U		0.109	1.00	1	05/03/2021 02:06	WG1663036
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/03/2021 02:06	WG1663036
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/03/2021 02:06	WG1663036
trans-1,4-Dichloro-2-butene	U	C3	0.467	5.00	1	05/03/2021 02:06	WG1663036
2,2-Dichloropropane	U		0.161	0.500	1	05/03/2021 02:06	WG1663036
Di-isopropyl ether	U		0.105	0.500	1	05/03/2021 02:06	WG1663036
Ethylbenzene	U		0.137	0.500	1	05/03/2021 02:06	WG1663036
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/03/2021 02:06	WG1663036
2-Hexanone	U		0.787	5.00	1	05/03/2021 02:06	WG1663036
n-Hexane	U	J4	0.749	5.00	1	05/03/2021 02:06	WG1663036
Iodomethane	U		0.554	5.00	1	05/03/2021 02:06	WG1663036
Isopropylbenzene	U		0.105	0.500	1	05/03/2021 02:06	WG1663036
p-Isopropyltoluene	U		0.120	0.500	1	05/03/2021 02:06	WG1663036
2-Butanone (MEK)	U		1.19	5.00	1	05/03/2021 02:06	WG1663036
Methylene Chloride	U		0.430	2.50	1	05/03/2021 02:06	WG1663036
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/03/2021 02:06	WG1663036
Methyl tert-butyl ether	U		0.101	0.500	1	05/03/2021 02:06	WG1663036
Naphthalene	U		0.174	2.50	1	05/03/2021 02:06	WG1663036
n-Propylbenzene	U		0.0993	0.500	1	05/03/2021 02:06	WG1663036
Styrene	U		0.118	0.500	1	05/03/2021 02:06	WG1663036
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/03/2021 02:06	WG1663036

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/03/2021 02:06	WG1663036
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/03/2021 02:06	WG1663036
Tetrachloroethene	U		0.300	0.500	1	05/03/2021 02:06	WG1663036
Toluene	U		0.278	0.500	1	05/03/2021 02:06	WG1663036
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2021 02:06	WG1663036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/03/2021 02:06	WG1663036
1,1,1-Trichloroethane	U		0.149	0.500	1	05/03/2021 02:06	WG1663036
1,1,2-Trichloroethane	U		0.158	0.500	1	05/03/2021 02:06	WG1663036
Trichloroethene	U		0.190	0.500	1	05/03/2021 02:06	WG1663036
Trichlorofluoromethane	U		0.160	2.50	1	05/03/2021 02:06	WG1663036
1,2,3-Trichloropropane	U		0.237	2.50	1	05/03/2021 02:06	WG1663036
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/03/2021 02:06	WG1663036
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 02:06	WG1663036
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 02:06	WG1663036
Vinyl acetate	U		0.692	5.00	1	05/03/2021 02:06	WG1663036
Vinyl chloride	U		0.234	0.500	1	05/03/2021 02:06	WG1663036
Xylenes, Total	U		0.174	1.50	1	05/03/2021 02:06	WG1663036
(S) Toluene-d8	*101*			*80.0-120*		*05/03/2021 02:06*	WG1663036
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/03/2021 02:06*	WG1663036
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/03/2021 02:06*	WG1663036

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	05/03/2021 02:26	WG1663036
Acrylonitrile	U		0.671	5.00	1	05/03/2021 02:26	WG1663036
Benzene	U		0.0941	0.500	1	05/03/2021 02:26	WG1663036
Bromobenzene	U		0.118	0.500	1	05/03/2021 02:26	WG1663036
Bromodichloromethane	U		0.136	0.500	1	05/03/2021 02:26	WG1663036
Bromochloromethane	U		0.128	0.500	1	05/03/2021 02:26	WG1663036
Bromoform	U		0.129	0.500	1	05/03/2021 02:26	WG1663036
Bromomethane	U		0.605	2.50	1	05/03/2021 02:26	WG1663036
n-Butylbenzene	U		0.157	0.500	1	05/03/2021 02:26	WG1663036
sec-Butylbenzene	U		0.125	0.500	1	05/03/2021 02:26	WG1663036
tert-Butylbenzene	U		0.127	0.500	1	05/03/2021 02:26	WG1663036
Carbon disulfide	U		0.0962	0.500	1	05/03/2021 02:26	WG1663036
Carbon tetrachloride	U		0.128	0.500	1	05/03/2021 02:26	WG1663036
Chlorobenzene	U		0.117	0.500	1	05/03/2021 02:26	WG1663036
Chlorodibromomethane	U		0.140	0.500	1	05/03/2021 02:26	WG1663036
Chloroethane	U		0.192	2.50	1	05/03/2021 02:26	WG1663036
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/03/2021 02:26	WG1663036
Chloroform	U		0.111	0.500	1	05/03/2021 02:26	WG1663036
Chloromethane	U		0.960	1.25	1	05/03/2021 02:26	WG1663036
2-Chlorotoluene	U		0.106	0.500	1	05/03/2021 02:26	WG1663036
4-Chlorotoluene	U		0.114	0.500	1	05/03/2021 02:26	WG1663036
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/03/2021 02:26	WG1663036
1,2-Dibromoethane	U		0.126	0.500	1	05/03/2021 02:26	WG1663036
Dibromomethane	U	J4	0.122	0.500	1	05/03/2021 02:26	WG1663036
1,2-Dichlorobenzene	U		0.107	0.500	1	05/03/2021 02:26	WG1663036
1,3-Dichlorobenzene	U		0.299	0.500	1	05/03/2021 02:26	WG1663036
1,4-Dichlorobenzene	U		0.120	0.500	1	05/03/2021 02:26	WG1663036
Dichlorodifluoromethane	U		0.374	2.50	1	05/03/2021 02:26	WG1663036
1,1-Dichloroethane	U		0.100	0.500	1	05/03/2021 02:26	WG1663036
1,2-Dichloroethane	U		0.0819	0.500	1	05/03/2021 02:26	WG1663036
1,1-Dichloroethene	U		0.188	0.500	1	05/03/2021 02:26	WG1663036
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/03/2021 02:26	WG1663036
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/03/2021 02:26	WG1663036
1,2-Dichloropropane	U		0.149	0.500	1	05/03/2021 02:26	WG1663036
1,1-Dichloropropene	U		0.142	0.500	1	05/03/2021 02:26	WG1663036
1,3-Dichloropropane	U		0.109	1.00	1	05/03/2021 02:26	WG1663036
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/03/2021 02:26	WG1663036
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/03/2021 02:26	WG1663036
trans-1,4-Dichloro-2-butene	U	C3	0.467	5.00	1	05/03/2021 02:26	WG1663036
2,2-Dichloropropane	U		0.161	0.500	1	05/03/2021 02:26	WG1663036
Di-isopropyl ether	U		0.105	0.500	1	05/03/2021 02:26	WG1663036
Ethylbenzene	U		0.137	0.500	1	05/03/2021 02:26	WG1663036
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/03/2021 02:26	WG1663036
2-Hexanone	U		0.787	5.00	1	05/03/2021 02:26	WG1663036
n-Hexane	U	J4	0.749	5.00	1	05/03/2021 02:26	WG1663036
Iodomethane	U		0.554	5.00	1	05/03/2021 02:26	WG1663036
Isopropylbenzene	U		0.105	0.500	1	05/03/2021 02:26	WG1663036
p-Isopropyltoluene	U		0.120	0.500	1	05/03/2021 02:26	WG1663036
2-Butanone (MEK)	U		1.19	5.00	1	05/03/2021 02:26	WG1663036
Methylene Chloride	U		0.430	2.50	1	05/03/2021 02:26	WG1663036
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/03/2021 02:26	WG1663036
Methyl tert-butyl ether	U		0.101	0.500	1	05/03/2021 02:26	WG1663036
Naphthalene	U		0.174	2.50	1	05/03/2021 02:26	WG1663036
n-Propylbenzene	U		0.0993	0.500	1	05/03/2021 02:26	WG1663036
Styrene	U		0.118	0.500	1	05/03/2021 02:26	WG1663036
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/03/2021 02:26	WG1663036

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/03/2021 02:26	WG1663036
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/03/2021 02:26	WG1663036
Tetrachloroethene	U		0.300	0.500	1	05/03/2021 02:26	WG1663036
Toluene	U		0.278	0.500	1	05/03/2021 02:26	WG1663036
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2021 02:26	WG1663036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/03/2021 02:26	WG1663036
1,1,1-Trichloroethane	U		0.149	0.500	1	05/03/2021 02:26	WG1663036
1,1,2-Trichloroethane	U		0.158	0.500	1	05/03/2021 02:26	WG1663036
Trichloroethene	U		0.190	0.500	1	05/03/2021 02:26	WG1663036
Trichlorofluoromethane	U		0.160	2.50	1	05/03/2021 02:26	WG1663036
1,2,3-Trichloropropane	U		0.237	2.50	1	05/03/2021 02:26	WG1663036
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/03/2021 02:26	WG1663036
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 02:26	WG1663036
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 02:26	WG1663036
Vinyl acetate	U		0.692	5.00	1	05/03/2021 02:26	WG1663036
Vinyl chloride	U		0.234	0.500	1	05/03/2021 02:26	WG1663036
Xylenes, Total	U		0.174	1.50	1	05/03/2021 02:26	WG1663036
(S) Toluene-d8	*103*			*80.0-120*		*05/03/2021 02:26*	WG1663036
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*05/03/2021 02:26*	WG1663036
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*05/03/2021 02:26*	WG1663036

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	05/03/2021 02:45	WG1663036
Acrylonitrile	U		0.671	5.00	1	05/03/2021 02:45	WG1663036
Benzene	U		0.0941	0.500	1	05/03/2021 02:45	WG1663036
Bromobenzene	U		0.118	0.500	1	05/03/2021 02:45	WG1663036
Bromodichloromethane	U		0.136	0.500	1	05/03/2021 02:45	WG1663036
Bromochloromethane	U		0.128	0.500	1	05/03/2021 02:45	WG1663036
Bromoform	U		0.129	0.500	1	05/03/2021 02:45	WG1663036
Bromomethane	U		0.605	2.50	1	05/03/2021 02:45	WG1663036
n-Butylbenzene	U		0.157	0.500	1	05/03/2021 02:45	WG1663036
sec-Butylbenzene	U		0.125	0.500	1	05/03/2021 02:45	WG1663036
tert-Butylbenzene	U		0.127	0.500	1	05/03/2021 02:45	WG1663036
Carbon disulfide	U		0.0962	0.500	1	05/03/2021 02:45	WG1663036
Carbon tetrachloride	U		0.128	0.500	1	05/03/2021 02:45	WG1663036
Chlorobenzene	U		0.117	0.500	1	05/03/2021 02:45	WG1663036
Chlorodibromomethane	U		0.140	0.500	1	05/03/2021 02:45	WG1663036
Chloroethane	U		0.192	2.50	1	05/03/2021 02:45	WG1663036
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/03/2021 02:45	WG1663036
Chloroform	U		0.111	0.500	1	05/03/2021 02:45	WG1663036
Chloromethane	U		0.960	1.25	1	05/03/2021 02:45	WG1663036
2-Chlorotoluene	U		0.106	0.500	1	05/03/2021 02:45	WG1663036
4-Chlorotoluene	U		0.114	0.500	1	05/03/2021 02:45	WG1663036
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/03/2021 02:45	WG1663036
1,2-Dibromoethane	U		0.126	0.500	1	05/03/2021 02:45	WG1663036
Dibromomethane	U	J4	0.122	0.500	1	05/03/2021 02:45	WG1663036
1,2-Dichlorobenzene	U		0.107	0.500	1	05/03/2021 02:45	WG1663036
1,3-Dichlorobenzene	U		0.299	0.500	1	05/03/2021 02:45	WG1663036
1,4-Dichlorobenzene	U		0.120	0.500	1	05/03/2021 02:45	WG1663036
Dichlorodifluoromethane	U		0.374	2.50	1	05/03/2021 02:45	WG1663036
1,1-Dichloroethane	U		0.100	0.500	1	05/03/2021 02:45	WG1663036
1,2-Dichloroethane	U		0.0819	0.500	1	05/03/2021 02:45	WG1663036
1,1-Dichloroethene	U		0.188	0.500	1	05/03/2021 02:45	WG1663036
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/03/2021 02:45	WG1663036
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/03/2021 02:45	WG1663036
1,2-Dichloropropane	U		0.149	0.500	1	05/03/2021 02:45	WG1663036
1,1-Dichloropropene	U		0.142	0.500	1	05/03/2021 02:45	WG1663036
1,3-Dichloropropane	U		0.109	1.00	1	05/03/2021 02:45	WG1663036
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/03/2021 02:45	WG1663036
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/03/2021 02:45	WG1663036
trans-1,4-Dichloro-2-butene	U	C3	0.467	5.00	1	05/03/2021 02:45	WG1663036
2,2-Dichloropropane	U		0.161	0.500	1	05/03/2021 02:45	WG1663036
Di-isopropyl ether	U		0.105	0.500	1	05/03/2021 02:45	WG1663036
Ethylbenzene	U		0.137	0.500	1	05/03/2021 02:45	WG1663036
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/03/2021 02:45	WG1663036
2-Hexanone	U		0.787	5.00	1	05/03/2021 02:45	WG1663036
n-Hexane	U	J4	0.749	5.00	1	05/03/2021 02:45	WG1663036
Iodomethane	U		0.554	5.00	1	05/03/2021 02:45	WG1663036
Isopropylbenzene	U		0.105	0.500	1	05/03/2021 02:45	WG1663036
p-Isopropyltoluene	U		0.120	0.500	1	05/03/2021 02:45	WG1663036
2-Butanone (MEK)	U		1.19	5.00	1	05/03/2021 02:45	WG1663036
Methylene Chloride	U		0.430	2.50	1	05/03/2021 02:45	WG1663036
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/03/2021 02:45	WG1663036
Methyl tert-butyl ether	U		0.101	0.500	1	05/03/2021 02:45	WG1663036
Naphthalene	U		0.174	2.50	1	05/03/2021 02:45	WG1663036
n-Propylbenzene	U		0.0993	0.500	1	05/03/2021 02:45	WG1663036
Styrene	U		0.118	0.500	1	05/03/2021 02:45	WG1663036
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/03/2021 02:45	WG1663036

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/03/2021 02:45	WG1663036
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	05/03/2021 02:45	WG1663036
Tetrachloroethene	U		0.300	0.500	1	05/03/2021 02:45	WG1663036
Toluene	U		0.278	0.500	1	05/03/2021 02:45	WG1663036
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2021 02:45	WG1663036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/03/2021 02:45	WG1663036
1,1,1-Trichloroethane	U		0.149	0.500	1	05/03/2021 02:45	WG1663036
1,1,2-Trichloroethane	U		0.158	0.500	1	05/03/2021 02:45	WG1663036
Trichloroethene	U		0.190	0.500	1	05/03/2021 02:45	WG1663036
Trichlorofluoromethane	U		0.160	2.50	1	05/03/2021 02:45	WG1663036
1,2,3-Trichloropropane	U		0.237	2.50	1	05/03/2021 02:45	WG1663036
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/03/2021 02:45	WG1663036
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 02:45	WG1663036
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 02:45	WG1663036
Vinyl acetate	U		0.692	5.00	1	05/03/2021 02:45	WG1663036
Vinyl chloride	U		0.234	0.500	1	05/03/2021 02:45	WG1663036
Xylenes, Total	U		0.174	1.50	1	05/03/2021 02:45	WG1663036
(S) Toluene-d8	*103*			*80.0-120*		*05/03/2021 02:45*	WG1663036
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*05/03/2021 02:45*	WG1663036
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*05/03/2021 02:45*	WG1663036

Method Blank (MB)

(MB) R3654472-3 05/14/21 11:38

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Lead,Dissolved	U		0.849	2.00

Laboratory Control Sample (LCS)

(LCS) R3654472-1 05/14/21 11:28

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead,Dissolved	50.0	50.3	101	80.0-120	

L1345719-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345719-03 05/14/21 11:31 • (MS) R3654472-4 05/14/21 11:41 • (MSD) R3654472-5 05/14/21 11:45

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead,Dissolved	50.0	U	52.9	51.9	106	104	1	75.0-125			1.81	20

Method Blank (MB)

(MB) R3649391-2 05/02/21 12:06

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2-Dibromo-3-Chloropropane	U		0.000520	0.00500

Laboratory Control Sample (LCS)

(LCS) R3649391-1 05/02/21 11:42

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2-Dibromo-3-Chloropropane	0.0500	0.0520	104	70.0-130	

L1345719-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345719-03 05/02/21 13:35 • (MS) R3649391-3 05/02/21 18:19 • (MSD) R3649391-4 05/02/21 18:42

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2-Dibromo-3-Chloropropane	0.0500	U	0.0770	0.0750	154	150	1	70.0-130	J5	J5	2.63	20

Method Blank (MB)

(MB) R3649360-3 05/02/21 13:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	25.0
Acrylonitrile	U		0.671	5.00
Benzene	U		0.0941	0.500
Bromobenzene	U		0.118	0.500
Bromodichloromethane	U		0.136	0.500
Bromochloromethane	U		0.128	0.500
Bromoform	U		0.129	0.500
Bromomethane	U		0.605	2.50
n-Butylbenzene	U		0.157	0.500
sec-Butylbenzene	U		0.125	0.500
tert-Butylbenzene	U		0.127	0.500
Carbon disulfide	U		0.0962	0.500
Carbon tetrachloride	U		0.128	0.500
Chlorobenzene	U		0.117	0.500
Chlorodibromomethane	U		0.140	0.500
Chloroethane	U		0.192	2.50
2-Chloroethyl vinyl ether	U		0.575	50.0
Chloroform	U		0.111	0.500
Chloromethane	U		0.960	1.25
2-Chlorotoluene	U		0.106	0.500
4-Chlorotoluene	U		0.114	0.500
1,2-Dibromo-3-Chloropropane	U		0.276	2.50
1,2-Dibromoethane	U		0.126	0.500
Dibromomethane	U		0.122	0.500
1,2-Dichlorobenzene	U		0.107	0.500
1,3-Dichlorobenzene	U		0.299	0.500
1,4-Dichlorobenzene	U		0.120	0.500
trans-1,4-Dichloro-2-butene	U		0.467	5.00
Dichlorodifluoromethane	U		0.374	2.50
1,1-Dichloroethane	U		0.100	0.500
1,2-Dichloroethane	U		0.0819	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.126	0.500
trans-1,2-Dichloroethene	U		0.149	0.500
1,2-Dichloropropane	U		0.149	0.500
1,1-Dichloropropene	U		0.142	0.500
1,3-Dichloropropane	U		0.109	1.00
cis-1,3-Dichloropropene	U		0.111	0.500
trans-1,3-Dichloropropene	U		0.118	0.500
2,2-Dichloropropane	U		0.161	0.500

Method Blank (MB)

(MB) R3649360-3 05/02/21 13:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.105	0.500
Ethylbenzene	U		0.137	0.500
Hexachloro-1,3-butadiene	U		0.337	1.00
2-Hexanone	U		0.787	5.00
n-Hexane	U		0.749	5.00
Iodomethane	U		0.554	5.00
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
1,2,3-Trichlorobenzene	0.240	J	0.164	0.500
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,3-Trimethylbenzene	U		0.104	0.500
1,2,4-Trimethylbenzene	U		0.322	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl acetate	U		0.692	5.00
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	*103*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3649360-1 05/02/21 11:40 • (LCSD) R3649360-4 05/02/21 14:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	29.2	31.1	117	124	19.0-160			6.30	27
Acrylonitrile	25.0	27.8	30.8	111	123	55.0-149			10.2	20
Benzene	5.00	4.66	5.65	93.2	113	70.0-123			19.2	20
Bromobenzene	5.00	4.01	4.70	80.2	94.0	73.0-121			15.8	20
Bromodichloromethane	5.00	5.02	5.77	100	115	75.0-120			13.9	20
Bromochloromethane	5.00	4.70	5.44	94.0	109	76.0-122			14.6	20
Bromoform	5.00	5.19	5.79	104	116	68.0-132			10.9	20
Bromomethane	5.00	4.05	5.21	81.0	104	10.0-160		J3	25.1	25
n-Butylbenzene	5.00	3.93	5.19	78.6	104	73.0-125		J3	27.6	20
sec-Butylbenzene	5.00	4.09	4.90	81.8	98.0	75.0-125			18.0	20
tert-Butylbenzene	5.00	4.06	4.79	81.2	95.8	76.0-124			16.5	20
Carbon disulfide	5.00	4.49	5.41	89.8	108	61.0-128			18.6	20
Carbon tetrachloride	5.00	4.12	5.22	82.4	104	68.0-126		J3	23.6	20
Chlorobenzene	5.00	4.35	5.25	87.0	105	80.0-121			18.7	20
Chlorodibromomethane	5.00	5.01	5.54	100	111	77.0-125			10.0	20
Chloroethane	5.00	4.31	5.16	86.2	103	47.0-150			18.0	20
2-Chloroethyl vinyl ether	25.0	26.7	30.2	107	121	51.0-160			12.3	20
Chloroform	5.00	4.56	5.36	91.2	107	73.0-120			16.1	20
Chloromethane	5.00	4.36	5.61	87.2	112	41.0-142		J3	25.1	20
2-Chlorotoluene	5.00	4.26	5.07	85.2	101	76.0-123			17.4	20
4-Chlorotoluene	5.00	4.33	5.08	86.6	102	75.0-122			15.9	20
1,2-Dibromo-3-Chloropropane	5.00	4.38	4.80	87.6	96.0	58.0-134			9.15	20
1,2-Dibromoethane	5.00	4.62	5.29	92.4	106	80.0-122			13.5	20
Dibromomethane	5.00	5.08	5.75	102	115	80.0-120			12.4	20
1,2-Dichlorobenzene	5.00	4.36	5.17	87.2	103	79.0-121			17.0	20
1,3-Dichlorobenzene	5.00	4.14	4.99	82.8	99.8	79.0-120			18.6	20
1,4-Dichlorobenzene	5.00	4.19	4.85	83.8	97.0	79.0-120			14.6	20
trans-1,4-Dichloro-2-butene	5.00	4.23	4.90	84.6	98.0	33.0-144			14.7	20
Dichlorodifluoromethane	5.00	4.31	5.63	86.2	113	51.0-149		J3	26.6	20
1,1-Dichloroethane	5.00	4.71	5.59	94.2	112	70.0-126			17.1	20
1,2-Dichloroethane	5.00	4.69	5.38	93.8	108	70.0-128			13.7	20
1,1-Dichloroethene	5.00	3.91	4.80	78.2	96.0	71.0-124		J3	20.4	20
cis-1,2-Dichloroethene	5.00	4.33	5.37	86.6	107	73.0-120		J3	21.4	20
trans-1,2-Dichloroethene	5.00	4.23	5.35	84.6	107	73.0-120		J3	23.4	20
1,2-Dichloropropane	5.00	4.68	5.61	93.6	112	77.0-125			18.1	20
1,1-Dichloropropene	5.00	4.01	5.00	80.2	100	74.0-126		J3	22.0	20
1,3-Dichloropropane	5.00	4.75	5.40	95.0	108	80.0-120			12.8	20
cis-1,3-Dichloropropene	5.00	4.88	5.86	97.6	117	80.0-123			18.2	20
trans-1,3-Dichloropropene	5.00	4.74	5.59	94.8	112	78.0-124			16.5	20
2,2-Dichloropropane	5.00	4.44	5.72	88.8	114	58.0-130		J3	25.2	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3649360-1 05/02/21 11:40 • (LCSD) R3649360-4 05/02/21 14:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	5.00	4.64	5.59	92.8	112	58.0-138			18.6	20
Ethylbenzene	5.00	4.16	5.09	83.2	102	79.0-123		J3	20.1	20
Hexachloro-1,3-butadiene	5.00	3.65	5.06	73.0	101	54.0-138		J3	32.4	20
2-Hexanone	25.0	25.0	26.9	100	108	67.0-149			7.32	20
n-Hexane	5.00	4.19	5.33	83.8	107	57.0-133		J3	23.9	20
Iodomethane	25.0	21.5	26.2	86.0	105	33.0-147			19.7	26
Isopropylbenzene	5.00	4.24	5.24	84.8	105	76.0-127		J3	21.1	20
p-Isopropyltoluene	5.00	4.29	5.18	85.8	104	76.0-125			18.8	20
2-Butanone (MEK)	25.0	25.5	26.7	102	107	44.0-160			4.60	20
Methylene Chloride	5.00	4.49	5.33	89.8	107	67.0-120			17.1	20
4-Methyl-2-pentanone (MIBK)	25.0	26.4	28.6	106	114	68.0-142			8.00	20
Methyl tert-butyl ether	5.00	4.26	4.93	85.2	98.6	68.0-125			14.6	20
Naphthalene	5.00	4.04	5.39	80.8	108	54.0-135		J3	28.6	20
n-Propylbenzene	5.00	4.15	5.00	83.0	100	77.0-124			18.6	20
Styrene	5.00	4.65	5.60	93.0	112	73.0-130			18.5	20
1,1,1,2-Tetrachloroethane	5.00	4.46	5.40	89.2	108	75.0-125			19.1	20
1,1,2,2-Tetrachloroethane	5.00	4.39	4.98	87.8	99.6	65.0-130			12.6	20
Tetrachloroethene	5.00	3.75	4.59	75.0	91.8	72.0-132		J3	20.1	20
Toluene	5.00	3.78	4.67	75.6	93.4	79.0-120	J4	J3	21.1	20
1,1,2-Trichlorotrifluoroethane	5.00	3.43	4.86	68.6	97.2	69.0-132	J4	J3	34.5	20
1,2,3-Trichlorobenzene	5.00	3.26	4.46	65.2	89.2	50.0-138		J3	31.1	20
1,2,4-Trichlorobenzene	5.00	3.58	4.98	71.6	99.6	57.0-137		J3	32.7	20
1,1,1-Trichloroethane	5.00	4.36	5.37	87.2	107	73.0-124		J3	20.8	20
1,1,2-Trichloroethane	5.00	4.63	5.28	92.6	106	80.0-120			13.1	20
Trichloroethene	5.00	4.36	5.16	87.2	103	78.0-124			16.8	20
Trichlorofluoromethane	5.00	4.00	5.07	80.0	101	59.0-147		J3	23.6	20
1,2,3-Trichloropropane	5.00	4.19	4.52	83.8	90.4	73.0-130			7.58	20
1,2,3-Trimethylbenzene	5.00	4.38	5.21	87.6	104	77.0-120			17.3	20
1,2,4-Trimethylbenzene	5.00	4.31	5.16	86.2	103	76.0-121			18.0	20
1,3,5-Trimethylbenzene	5.00	4.18	5.03	83.6	101	76.0-122			18.5	20
Vinyl acetate	25.0	27.5	34.3	110	137	11.0-160		J3	22.0	20
Vinyl chloride	5.00	4.14	5.11	82.8	102	67.0-131		J3	21.0	20
Xylenes, Total	15.0	13.2	16.3	88.0	109	79.0-123		J3	21.0	20
(S) Toluene-d8				*103*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*103*	*105*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*112*	*111*	*70.0-130*				

L1345719-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345719-03 05/02/21 20:01 • (MS) R3649360-5 05/03/21 00:25 • (MSD) R3649360-6 05/03/21 00:46

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acrylonitrile	25.0	U	36.4	35.3	146	141	1	21.0-160			3.07	32
Bromobenzene	5.00	U	5.93	5.61	119	112	1	30.0-149			5.55	28
Bromochloromethane	5.00	U	6.24	6.08	125	122	1	38.0-142			2.60	26
n-Butylbenzene	5.00	U	6.44	6.20	129	124	1	31.0-150			3.80	30
sec-Butylbenzene	5.00	U	6.46	6.13	129	123	1	33.0-155			5.24	29
tert-Butylbenzene	5.00	U	6.23	6.02	125	120	1	34.0-153			3.43	28
2-Chloroethyl vinyl ether	25.0	U	U	U	0.000	0.000	1	10.0-160	J6	J6	0.000	31
Acetone	25.0	U	39.3	39.1	157	156	1	10.0-160			0.510	35
2-Chlorotoluene	5.00	U	6.40	6.19	128	124	1	32.0-153			3.34	28
4-Chlorotoluene	5.00	U	6.24	6.06	125	121	1	32.0-150			2.93	28
Benzene	5.00	U	6.81	6.62	136	132	1	17.0-158			2.83	27
Bromodichloromethane	5.00	U	6.81	6.36	136	127	1	31.0-150			6.83	27
Dibromomethane	5.00	U	6.58	6.41	132	128	1	30.0-151			2.62	27
Bromoform	5.00	U	6.88	6.48	138	130	1	29.0-150			5.99	29
Bromomethane	5.00	U	6.01	5.75	120	115	1	10.0-160			4.42	38
Carbon disulfide	5.00	U	7.06	6.83	141	137	1	10.0-156			3.31	28
Carbon tetrachloride	5.00	U	6.94	6.60	139	132	1	23.0-159			5.02	28
Chlorobenzene	5.00	U	6.85	6.44	137	129	1	33.0-152			6.17	27
Chlorodibromomethane	5.00	U	6.55	6.19	131	124	1	37.0-149			5.65	27
1,1-Dichloropropene	5.00	U	6.56	6.62	131	132	1	25.0-158			0.910	27
Chloroethane	5.00	U	6.61	6.44	132	129	1	10.0-160			2.61	30
1,3-Dichloropropane	5.00	U	6.40	6.05	128	121	1	38.0-147			5.62	27
Chloroform	5.00	U	6.52	6.42	130	128	1	29.0-154			1.55	28
Chloromethane	5.00	U	6.82	6.62	136	132	1	10.0-160			2.98	29
trans-1,4-Dichloro-2-butene	5.00	U	5.27	5.37	105	107	1	10.0-157			1.88	37
2,2-Dichloropropane	5.00	U	5.56	5.22	111	104	1	24.0-152			6.31	29
Di-isopropyl ether	5.00	U	6.50	6.29	130	126	1	21.0-160			3.28	28
1,2-Dibromo-3-Chloropropane	5.00	U	6.23	6.11	125	122	1	22.0-151			1.94	34
1,2-Dibromoethane	5.00	U	5.94	5.85	119	117	1	34.0-147			1.53	27
Hexachloro-1,3-butadiene	5.00	U	6.19	5.28	124	106	1	20.0-154			15.9	34
1,2-Dichlorobenzene	5.00	U	6.21	6.16	124	123	1	34.0-149			0.808	28
n-Hexane	5.00	U	6.75	6.68	135	134	1	10.0-153			1.04	28
1,3-Dichlorobenzene	5.00	U	6.11	5.86	122	117	1	36.0-146			4.18	27
Iodomethane	25.0	U	31.2	30.1	125	120	1	10.0-160			3.59	40
1,4-Dichlorobenzene	5.00	U	5.90	5.58	118	112	1	35.0-142			5.57	27
p-Isopropyltoluene	5.00	U	6.71	6.50	134	130	1	30.0-154			3.18	29
Dichlorodifluoromethane	5.00	U	7.82	7.64	156	153	1	10.0-160			2.33	29
1,1-Dichloroethane	5.00	0.340	7.24	6.94	138	132	1	25.0-158			4.23	27
1,2-Dichloroethane	5.00	U	6.33	6.14	127	123	1	29.0-151			3.05	27
1,1-Dichloroethene	5.00	U	6.73	6.48	135	130	1	11.0-160			3.79	29

L1345719-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345719-03 05/02/21 20:01 • (MS) R3649360-5 05/03/21 00:25 • (MSD) R3649360-6 05/03/21 00:46

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Naphthalene	5.00	U	6.37	6.24	127	125	1	12.0-156			2.06	35
cis-1,2-Dichloroethene	5.00	U	6.49	6.23	130	125	1	10.0-160			4.09	27
n-Propylbenzene	5.00	U	6.54	6.27	131	125	1	31.0-154			4.22	28
trans-1,2-Dichloroethene	5.00	U	6.73	6.41	135	128	1	17.0-153			4.87	27
1,1,1,2-Tetrachloroethane	5.00	U	6.56	6.16	131	123	1	36.0-151			6.29	29
1,2-Dichloropropane	5.00	0.257	6.93	6.79	133	131	1	30.0-156			2.04	27
cis-1,3-Dichloropropene	5.00	U	6.36	6.15	127	123	1	34.0-149			3.36	28
trans-1,3-Dichloropropene	5.00	U	6.34	5.96	127	119	1	32.0-149			6.18	28
1,2,3-Trichlorobenzene	5.00	U	5.19	4.99	104	99.8	1	17.0-150			3.93	36
Ethylbenzene	5.00	U	6.34	6.05	127	121	1	30.0-155			4.68	27
1,2,3-Trichloropropane	5.00	U	5.82	5.56	116	111	1	34.0-151			4.57	29
1,2,4-Trimethylbenzene	5.00	U	6.47	6.24	129	125	1	26.0-154			3.62	27
2-Hexanone	25.0	U	33.4	32.9	134	132	1	21.0-160			1.51	29
1,2,3-Trimethylbenzene	5.00	U	6.37	6.03	127	121	1	32.0-149			5.48	28
1,3,5-Trimethylbenzene	5.00	U	6.40	6.12	128	122	1	28.0-153			4.47	27
Isopropylbenzene	5.00	U	6.56	6.28	131	126	1	28.0-157			4.36	27
Vinyl acetate	25.0	U	36.6	35.5	146	142	1	12.0-160			3.05	31
2-Butanone (MEK)	25.0	U	34.2	33.7	137	135	1	10.0-160			1.47	32
Methylene Chloride	5.00	U	6.23	6.11	125	122	1	23.0-144			1.94	28
4-Methyl-2-pentanone (MIBK)	25.0	0.778	33.7	33.5	132	131	1	29.0-160			0.595	29
Methyl tert-butyl ether	5.00	U	5.43	5.30	109	106	1	28.0-150			2.42	29
Styrene	5.00	U	6.79	6.43	136	129	1	33.0-155			5.45	28
1,1,2,2-Tetrachloroethane	5.00	U	6.25	5.98	125	120	1	33.0-150			4.42	28
Tetrachloroethene	5.00	U	5.91	5.65	118	113	1	10.0-160			4.50	27
Toluene	5.00	U	5.61	5.54	112	111	1	26.0-154			1.26	28
1,1,2-Trichlorotrifluoroethane	5.00	U	6.42	6.28	128	126	1	23.0-160			2.20	30
1,2,4-Trichlorobenzene	5.00	U	5.73	5.47	115	109	1	24.0-150			4.64	33
1,1,1-Trichloroethane	5.00	U	7.15	6.61	143	132	1	23.0-160			7.85	28
1,1,2-Trichloroethane	5.00	U	6.24	5.94	125	119	1	35.0-147			4.93	27
Trichloroethene	5.00	U	6.54	6.40	131	128	1	10.0-160			2.16	25
Trichlorofluoromethane	5.00	U	7.18	7.07	144	141	1	17.0-160			1.54	31
Vinyl chloride	5.00	U	7.01	6.81	140	136	1	10.0-160			2.89	27
Xylenes, Total	15.0	U	19.4	18.8	129	125	1	29.0-154			3.14	28
(S) Toluene-d8					*99.9*	*98.0*		*80.0-120*				
(S) 4-Bromofluorobenzene					*105*	*102*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*111*	*111*		*70.0-130*				

Method Blank (MB)

(MB) R3649735-2 05/02/21 22:01

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	25.0
Acrylonitrile	U		0.671	5.00
Benzene	U		0.0941	0.500
Bromobenzene	U		0.118	0.500
Bromodichloromethane	U		0.136	0.500
Bromochloromethane	U		0.128	0.500
Bromoform	U		0.129	0.500
Bromomethane	U		0.605	2.50
n-Butylbenzene	U		0.157	0.500
sec-Butylbenzene	U		0.125	0.500
tert-Butylbenzene	U		0.127	0.500
Carbon disulfide	U		0.0962	0.500
Carbon tetrachloride	U		0.128	0.500
Chlorobenzene	U		0.117	0.500
Chlorodibromomethane	U		0.140	0.500
Chloroethane	U		0.192	2.50
2-Chloroethyl vinyl ether	U		0.575	50.0
Chloroform	U		0.111	0.500
Chloromethane	U		0.960	1.25
2-Chlorotoluene	U		0.106	0.500
4-Chlorotoluene	U		0.114	0.500
1,2-Dibromo-3-Chloropropane	U		0.276	2.50
1,2-Dibromoethane	U		0.126	0.500
Dibromomethane	U		0.122	0.500
1,2-Dichlorobenzene	U		0.107	0.500
1,3-Dichlorobenzene	U		0.299	0.500
1,4-Dichlorobenzene	U		0.120	0.500
trans-1,4-Dichloro-2-butene	U		0.467	5.00
Dichlorodifluoromethane	U		0.374	2.50
1,1-Dichloroethane	U		0.100	0.500
1,2-Dichloroethane	U		0.0819	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.126	0.500
trans-1,2-Dichloroethene	U		0.149	0.500
1,2-Dichloropropane	U		0.149	0.500
1,1-Dichloropropene	U		0.142	0.500
1,3-Dichloropropane	U		0.109	1.00
cis-1,3-Dichloropropene	U		0.111	0.500
trans-1,3-Dichloropropene	U		0.118	0.500
2,2-Dichloropropane	U		0.161	0.500

Method Blank (MB)

(MB) R3649735-2 05/02/21 22:01

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.105	0.500
Ethylbenzene	U		0.137	0.500
Hexachloro-1,3-butadiene	U		0.337	1.00
2-Hexanone	U		0.787	5.00
n-Hexane	U		0.749	5.00
Iodomethane	U		0.554	5.00
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,3-Trimethylbenzene	U		0.104	0.500
1,2,4-Trimethylbenzene	U		0.322	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl acetate	U		0.692	5.00
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3649735-1 05/02/21 21:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	32.7	131	19.0-160	
Acrylonitrile	25.0	33.0	132	55.0-149	
Benzene	5.00	5.32	106	70.0-123	
Bromobenzene	5.00	5.51	110	73.0-121	
Bromodichloromethane	5.00	5.61	112	75.0-120	
Bromochloromethane	5.00	5.45	109	76.0-122	
Bromoform	5.00	5.58	112	68.0-132	
Bromomethane	5.00	4.72	94.4	10.0-160	
n-Butylbenzene	5.00	4.93	98.6	73.0-125	
sec-Butylbenzene	5.00	5.17	103	75.0-125	
tert-Butylbenzene	5.00	4.97	99.4	76.0-124	
Carbon disulfide	5.00	5.31	106	61.0-128	
Carbon tetrachloride	5.00	5.76	115	68.0-126	
Chlorobenzene	5.00	5.35	107	80.0-121	
Chlorodibromomethane	5.00	5.50	110	77.0-125	
Chloroethane	5.00	4.95	99.0	47.0-150	
2-Chloroethyl vinyl ether	25.0	28.3	113	51.0-160	
Chloroform	5.00	5.59	112	73.0-120	
Chloromethane	5.00	5.63	113	41.0-142	
2-Chlorotoluene	5.00	5.57	111	76.0-123	
4-Chlorotoluene	5.00	5.53	111	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	5.67	113	58.0-134	
1,2-Dibromoethane	5.00	5.83	117	80.0-122	
Dibromomethane	5.00	6.08	122	80.0-120	J4
1,2-Dichlorobenzene	5.00	5.54	111	79.0-121	
1,3-Dichlorobenzene	5.00	5.32	106	79.0-120	
1,4-Dichlorobenzene	5.00	5.51	110	79.0-120	
trans-1,4-Dichloro-2-butene	5.00	2.36	47.2	33.0-144	
Dichlorodifluoromethane	5.00	6.41	128	51.0-149	
1,1-Dichloroethane	5.00	5.85	117	70.0-126	
1,2-Dichloroethane	5.00	5.93	119	70.0-128	
1,1-Dichloroethene	5.00	6.16	123	71.0-124	
cis-1,2-Dichloroethene	5.00	5.13	103	73.0-120	
trans-1,2-Dichloroethene	5.00	5.39	108	73.0-120	
1,2-Dichloropropane	5.00	5.67	113	77.0-125	
1,1-Dichloropropene	5.00	5.74	115	74.0-126	
1,3-Dichloropropane	5.00	5.56	111	80.0-120	
cis-1,3-Dichloropropene	5.00	5.56	111	80.0-123	
trans-1,3-Dichloropropene	5.00	5.56	111	78.0-124	
2,2-Dichloropropane	5.00	6.07	121	58.0-130	

Laboratory Control Sample (LCS)

(LCS) R3649735-1 05/02/21 21:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Di-isopropyl ether	5.00	5.84	117	58.0-138	
Ethylbenzene	5.00	5.27	105	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.61	92.2	54.0-138	
2-Hexanone	25.0	30.8	123	67.0-149	
n-Hexane	5.00	6.77	135	57.0-133	J4
Iodomethane	25.0	27.3	109	33.0-147	
Isopropylbenzene	5.00	5.30	106	76.0-127	
p-Isopropyltoluene	5.00	5.16	103	76.0-125	
2-Butanone (MEK)	25.0	33.3	133	44.0-160	
Methylene Chloride	5.00	5.46	109	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	31.4	126	68.0-142	
Methyl tert-butyl ether	5.00	5.26	105	68.0-125	
Naphthalene	5.00	5.48	110	54.0-135	
n-Propylbenzene	5.00	5.41	108	77.0-124	
Styrene	5.00	5.45	109	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.27	105	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.90	118	65.0-130	
Tetrachloroethene	5.00	5.57	111	72.0-132	
Toluene	5.00	5.28	106	79.0-120	
1,1,2-Trichlorotrifluoroethane	5.00	6.03	121	69.0-132	
1,2,3-Trichlorobenzene	5.00	5.26	105	50.0-138	
1,2,4-Trichlorobenzene	5.00	5.13	103	57.0-137	
1,1,1-Trichloroethane	5.00	5.92	118	73.0-124	
1,1,2-Trichloroethane	5.00	5.59	112	80.0-120	
Trichloroethene	5.00	5.76	115	78.0-124	
Trichlorofluoromethane	5.00	6.13	123	59.0-147	
1,2,3-Trichloropropane	5.00	6.18	124	73.0-130	
1,2,3-Trimethylbenzene	5.00	5.39	108	77.0-120	
1,2,4-Trimethylbenzene	5.00	5.06	101	76.0-121	
1,3,5-Trimethylbenzene	5.00	5.32	106	76.0-122	
Vinyl acetate	25.0	35.3	141	11.0-160	
Vinyl chloride	5.00	5.59	112	67.0-131	
Xylenes, Total	15.0	15.7	105	79.0-123	
(S) Toluene-d8			*99.8*	*80.0-120*	
(S) 4-Bromofluorobenzene			*102*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*117*	*70.0-130*	

Method Blank (MB)

(MB) R3649554-2 05/02/21 21:06

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
1,4-Dioxane	U		0.0447	0.400
(S) Nitrobenzene-d5	*67.9*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R3649554-1 05/02/21 20:46

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
1,4-Dioxane	50.0	62.5	125	73.0-146	
(S) Nitrobenzene-d5			*78.5*	*10.0-120*	

L1344435-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1344435-08 05/02/21 21:27 • (MS) R3649554-3 05/02/21 21:47 • (MSD) R3649554-4 05/02/21 22:07

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
1,4-Dioxane	50.0	3.25	64.9	64.9	123	123	1	38.0-160			0.000	21
(S) Nitrobenzene-d5					*73.3*	*67.1*		*10.0-120*				

Method Blank (MB)

(MB) R3650021-2 05/03/21 14:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,4-Dioxane	U		0.0447	0.400
(S) Nitrobenzene-d5	*81.1*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R3650021-1 05/03/21 14:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,4-Dioxane	50.0	52.3	105	73.0-146	
(S) Nitrobenzene-d5			*67.2*	*10.0-120*	

L1345068-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345068-11 05/03/21 18:01 • (MS) R3650021-3 05/03/21 18:22 • (MSD) R3650021-4 05/03/21 18:42

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,4-Dioxane	50.0	2.57	56.5	55.0	108	105	1	38.0-160			2.69	21
(S) Nitrobenzene-d5					*35.4*	*42.6*		*10.0-120*				

Method Blank (MB)

(MB) R3649851-2 05/03/21 10:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetophenone	U		0.208	10.0
Atrazine	U		0.255	10.0
Benzaldehyde	U		1.69	10.0
Biphenyl	U		0.790	10.0
Bis(2-chlorethoxy)methane	U		0.116	5.00
Bis(2-chloroethyl)ether	U		0.137	10.0
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00
4-Bromophenyl-phenylether	U		0.0877	10.0
Caprolactam	U		0.309	10.0
Carbazole	U		0.111	10.0
4-Chloroaniline	U		0.234	5.00
4-Chlorophenyl-phenylether	U		0.0926	10.0
3,3-Dichlorobenzidine	U		0.212	10.0
2,4-Dinitrotoluene	U		0.0983	5.00
2,6-Dinitrotoluene	U		0.250	5.00
Hexachloro-1,3-butadiene	U		0.0968	10.0
Hexachlorocyclopentadiene	U		0.0598	5.00
Hexachloroethane	U		0.127	5.00
Isophorone	U		0.143	10.0
2-Nitroaniline	U		0.102	5.00
3-Nitroaniline	U		0.0869	5.00
4-Nitroaniline	U		0.0910	5.00
Nitrobenzene	U		0.297	10.0
n-Nitrosodiphenylamine	U		2.37	10.0
n-Nitrosodi-n-propylamine	U		0.261	10.0
Benzylbutyl phthalate	U		0.765	3.00
Bis(2-ethylhexyl)phthalate	U		0.895	3.00
Di-n-butyl phthalate	U		0.453	3.00
Diethyl phthalate	U		0.287	3.00
Dimethyl phthalate	U		0.260	3.00
Di-n-octyl phthalate	U		0.932	3.00
4-Chloro-3-methylphenol	U		0.131	1.00
2-Chlorophenol	U		0.133	1.00
2-Methylphenol	U		0.0929	1.00
3&4-Methyl Phenol	U		0.168	1.00
2,4-Dichlorophenol	U		0.102	5.00
2,4-Dimethylphenol	U		0.0636	10.0
4,6-Dinitro-2-methylphenol	U		1.12	10.0
2,4-Dinitrophenol	U		5.93	10.0
2-Nitrophenol	U		0.117	1.00

Method Blank (MB)

(MB) R3649851-2 05/03/21 10:16

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4-Nitrophenol	U		0.143	10.0
Pentachlorophenol	U		0.313	1.00
Phenol	U		4.33	10.0
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0
2,4,5-Trichlorophenol	U		0.109	10.0
2,4,6-Trichlorophenol	U		0.100	10.0
(S) Nitrobenzene-d5	*86.8*			*10.0-127*
(S) 2-Fluorobiphenyl	*99.1*			*10.0-130*
(S) p-Terphenyl-d14	*95.3*			*10.0-128*
(S) Phenol-d5	*41.4*			*10.0-120*
(S) 2-Fluorophenol	*60.5*			*10.0-120*
(S) 2,4,6-Tribromophenol	*114*			*10.0-155*

Laboratory Control Sample (LCS)

(LCS) R3649851-1 05/03/21 09:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetophenone	50.0	47.0	94.0	29.0-120	
Atrazine	50.0	43.5	87.0	39.0-141	
Benzaldehyde	50.0	45.7	91.4	10.0-160	
Biphenyl	50.0	43.2	86.4	38.0-120	
Bis(2-chlorethoxy)methane	50.0	39.7	79.4	33.0-120	
Bis(2-chloroethyl)ether	50.0	44.4	88.8	23.0-120	
4-Bromophenyl-phenylether	50.0	50.8	102	45.0-120	
Caprolactam	50.0	16.3	32.6	10.0-120	
Carbazole	50.0	45.1	90.2	51.0-122	
4-Chloroaniline	50.0	35.5	71.0	25.0-120	
4-Chlorophenyl-phenylether	50.0	44.0	88.0	44.0-120	
3,3-Dichlorobenzidine	100	93.3	93.3	44.0-120	
2,4-Dinitrotoluene	50.0	47.3	94.6	49.0-124	
2,6-Dinitrotoluene	50.0	44.8	89.6	46.0-120	
Hexachloro-1,3-butadiene	50.0	34.3	68.6	19.0-120	
Hexachlorocyclopentadiene	50.0	27.0	54.0	15.0-120	
Hexachloroethane	50.0	39.3	78.6	15.0-120	
Isophorone	50.0	41.1	82.2	36.0-120	
2-Nitroaniline	50.0	49.1	98.2	43.0-120	
3-Nitroaniline	50.0	46.1	92.2	38.0-120	
4-Nitroaniline	50.0	48.3	96.6	18.0-160	

Laboratory Control Sample (LCS)

(LCS) R3649851-1 05/03/21 09:54

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Nitrobenzene	50.0	38.5	77.0	27.0-120	
n-Nitrosodiphenylamine	50.0	44.3	88.6	47.0-120	
n-Nitrosodi-n-propylamine	50.0	43.7	87.4	31.0-120	
Benzylbutyl phthalate	50.0	49.2	98.4	43.0-121	
Bis(2-ethylhexyl)phthalate	50.0	49.9	99.8	43.0-122	
Di-n-butyl phthalate	50.0	47.5	95.0	49.0-121	
Diethyl phthalate	50.0	45.5	91.0	48.0-122	
Dimethyl phthalate	50.0	45.1	90.2	48.0-120	
Di-n-octyl phthalate	50.0	50.5	101	42.0-125	
4-Chloro-3-methylphenol	50.0	39.3	78.6	40.0-120	
2-Chlorophenol	50.0	40.0	80.0	25.0-120	
2-Methylphenol	50.0	39.1	78.2	28.0-120	
3&4-Methyl Phenol	50.0	40.1	80.2	31.0-120	
2,4-Dichlorophenol	50.0	38.0	76.0	36.0-120	
2,4-Dimethylphenol	50.0	38.3	76.6	33.0-120	
4,6-Dinitro-2-methylphenol	50.0	53.3	107	38.0-138	
2,4-Dinitrophenol	50.0	48.9	97.8	10.0-120	
2-Nitrophenol	50.0	40.3	80.6	31.0-120	
4-Nitrophenol	50.0	24.1	48.2	10.0-120	
Pentachlorophenol	50.0	42.8	85.6	23.0-120	
Phenol	50.0	20.7	41.4	10.0-120	
1,2,4,5-Tetrachlorobenzene	50.0	36.6	73.2	31.0-121	
2,4,5-Trichlorophenol	50.0	45.1	90.2	44.0-120	
2,4,6-Trichlorophenol	50.0	45.6	91.2	42.0-120	
2,2-Oxybis(1-Chloropropane)	50.0	41.6	83.2	28.0-120	
(S) Nitrobenzene-d5			*74.7*	*10.0-127*	
(S) 2-Fluorobiphenyl			*105*	*10.0-130*	
(S) p-Terphenyl-d14			*95.8*	*10.0-128*	
(S) Phenol-d5			*45.4*	*10.0-120*	
(S) 2-Fluorophenol			*68.5*	*10.0-120*	
(S) 2,4,6-Tribromophenol			*124*	*10.0-155*	

L1345719-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345719-03 05/03/21 19:48 • (MS) R3649851-3 05/03/21 20:10 • (MSD) R3649851-4 05/03/21 20:32

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetophenone	50.0	U	41.1	37.1	82.2	76.5	1	20.0-120			10.2	35
Atrazine	50.0	U	38.7	38.6	77.4	79.6	1	39.0-130			0.259	23

L1345719-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345719-03 05/03/21 19:48 • (MS) R3649851-3 05/03/21 20:10 • (MSD) R3649851-4 05/03/21 20:32

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzaldehyde	50.0	U	41.3	36.3	82.6	74.8	1	10.0-160			12.9	40
Biphenyl	50.0	U	39.7	37.6	79.4	77.5	1	29.0-120			5.43	33
Bis(2-chlorethoxy)methane	50.0	U	35.7	32.8	71.4	67.6	1	17.0-120			8.47	31
Bis(2-chloroethyl)ether	50.0	U	40.1	34.8	80.2	71.8	1	14.0-120			14.2	33
4-Bromophenyl-phenylether	50.0	U	46.3	47.2	92.6	97.3	1	37.0-120			1.93	24
Caprolactam	50.0	U	15.0	15.8	30.0	32.6	1	10.0-120			5.19	40
Carbazole	50.0	U	39.5	40.0	79.0	82.5	1	38.0-127			1.26	21
4-Chloroaniline	50.0	U	30.6	26.0	61.2	53.6	1	10.0-120			16.3	31
4-Chlorophenyl-phenylether	50.0	U	39.3	38.4	78.6	79.2	1	36.0-120			2.32	23
3,3-Dichlorobenzidine	100	U	71.1	74.0	71.1	76.3	1	10.0-134			4.00	30
2,4-Dinitrotoluene	50.0	U	41.1	41.9	82.2	86.4	1	39.0-125			1.93	25
2,6-Dinitrotoluene	50.0	U	38.8	39.1	77.6	80.6	1	36.0-120			0.770	27
Hexachloro-1,3-butadiene	50.0	U	32.7	29.3	65.4	60.4	1	12.0-120			11.0	34
Hexachlorocyclopentadiene	50.0	U	27.0	24.9	54.0	51.3	1	10.0-120			8.09	33
Hexachloroethane	50.0	U	35.6	30.9	71.2	63.7	1	10.0-120			14.1	40
Isophorone	50.0	U	36.1	33.9	72.2	69.9	1	21.0-120			6.29	27
2-Nitroaniline	50.0	U	43.1	43.4	86.2	89.5	1	33.0-120			0.694	27
3-Nitroaniline	50.0	U	39.8	39.1	79.6	80.6	1	20.0-120			1.77	27
4-Nitroaniline	50.0	U	41.6	41.2	83.2	84.9	1	10.0-160			0.966	26
Nitrobenzene	50.0	U	35.3	31.8	70.6	65.6	1	12.0-120			10.4	30
n-Nitrosodiphenylamine	50.0	U	34.2	34.0	68.4	70.1	1	37.0-120			0.587	24
n-Nitrosodi-n-propylamine	50.0	U	37.7	34.4	75.4	70.9	1	16.0-120			9.15	30
Benzylbutyl phthalate	50.0	U	42.5	44.9	85.0	92.6	1	34.0-126			5.49	24
Bis(2-ethylhexyl)phthalate	50.0	U	43.2	45.2	86.4	93.2	1	33.0-126			4.52	25
Di-n-butyl phthalate	50.0	U	42.6	43.6	85.2	89.9	1	35.0-128			2.32	23
Diethyl phthalate	50.0	U	39.6	40.5	79.2	83.5	1	39.0-125			2.25	24
Dimethyl phthalate	50.0	U	39.6	40.1	79.2	82.7	1	37.0-120			1.25	24
Di-n-octyl phthalate	50.0	U	43.7	45.7	87.4	94.2	1	25.0-135			4.47	26
4-Chloro-3-methylphenol	50.0	U	32.8	31.6	65.6	65.2	1	26.0-120			3.73	27
2-Chlorophenol	50.0	U	35.0	30.9	70.0	63.7	1	18.0-120			12.4	34
2-Methylphenol	50.0	U	34.0	30.8	68.0	63.5	1	10.0-120			9.88	30
3&4-Methyl Phenol	50.0	U	33.6	30.2	67.2	62.3	1	10.0-120			10.7	36
2,4-Dichlorophenol	50.0	U	33.3	30.5	66.6	62.9	1	19.0-120			8.78	27
2,4-Dimethylphenol	50.0	U	29.7	27.0	59.4	55.7	1	15.0-120			9.52	28
4,6-Dinitro-2-methylphenol	50.0	U	47.3	49.7	94.6	102	1	10.0-144			4.95	39
2,4-Dinitrophenol	50.0	U	44.1	45.6	88.2	94.0	1	10.0-120			3.34	40
2-Nitrophenol	50.0	U	36.1	32.5	72.2	67.0	1	20.0-120			10.5	30
4-Nitrophenol	50.0	U	21.5	22.3	43.0	46.0	1	10.0-120			3.65	40
Pentachlorophenol	50.0	U	40.4	42.7	80.8	88.0	1	10.0-128			5.54	37
Phenol	50.0	U	19.8	18.2	39.6	37.5	1	10.0-120			8.42	40

L1345719-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345719-03 05/03/21 19:48 • (MS) R3649851-3 05/03/21 20:10 • (MSD) R3649851-4 05/03/21 20:32

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,4,5-Trichlorophenol	50.0	U	38.1	37.0	76.2	76.3	1	33.0-120			2.93	31
2,4,6-Trichlorophenol	50.0	U	37.8	36.9	75.6	76.1	1	26.0-120			2.41	31
1,2,4,5-Tetrachlorobenzene	50.0	U	34.1	31.3	68.2	64.5	1	19.0-122			8.56	32
2,2-Oxybis(1-Chloropropane)	50.0	U	36.6	32.1	73.2	66.2	1	18.0-120			13.1	34
(S) Nitrobenzene-d5					*68.5*	*63.1*		*10.0-127*				
(S) 2-Fluorobiphenyl					*95.0*	*94.4*		*10.0-130*				
(S) p-Terphenyl-d14					*83.1*	*91.6*		*10.0-128*				
(S) Phenol-d5					*42.9*	*41.6*		*10.0-120*				
(S) 2-Fluorophenol					*62.0*	*59.3*		*10.0-120*				
(S) 2,4,6-Tribromophenol					*106*	*112*		*10.0-155*				

Method Blank (MB)

(MB) R3649855-2 05/03/21 11:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetophenone	U		0.208	10.0
Atrazine	U		0.255	10.0
Benzaldehyde	U		1.69	10.0
Biphenyl	U		0.790	10.0
Bis(2-chlorethoxy)methane	U		0.116	5.00
Bis(2-chloroethyl)ether	U		0.137	1.00
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00
4-Bromophenyl-phenylether	U		0.0877	10.0
Caprolactam	U		0.309	10.0
Carbazole	U		0.111	10.0
4-Chloroaniline	U		0.234	5.00
4-Chlorophenyl-phenylether	U		0.0926	10.0
3,3-Dichlorobenzidine	U		0.212	10.0
2,4-Dinitrotoluene	U		0.0983	5.00
2,6-Dinitrotoluene	U		0.250	5.00
Hexachloro-1,3-butadiene	U		0.0968	10.0
Hexachlorocyclopentadiene	U		0.0598	5.00
Hexachloroethane	U		0.127	5.00
Isophorone	U		0.143	10.0
2-Nitroaniline	U		0.102	5.00
3-Nitroaniline	U		0.0869	5.00
4-Nitroaniline	U		0.0910	5.00
Nitrobenzene	U		0.297	10.0
n-Nitrosodiphenylamine	U		2.37	10.0
n-Nitrosodi-n-propylamine	U		0.261	10.0
Benzylbutyl phthalate	U		0.765	3.00
Bis(2-ethylhexyl)phthalate	U		0.895	3.00
Di-n-butyl phthalate	U		0.453	3.00
Diethyl phthalate	U		0.287	3.00
Dimethyl phthalate	U		0.260	3.00
Di-n-octyl phthalate	U		0.932	3.00
4-Chloro-3-methylphenol	U		0.131	1.00
2-Chlorophenol	U		0.133	1.00
2-Methylphenol	U		0.0929	1.00
3&4-Methyl Phenol	U		0.168	1.00
2,4-Dichlorophenol	U		0.102	5.00
2,4-Dimethylphenol	U		0.0636	10.0
4,6-Dinitro-2-methylphenol	U		1.12	10.0
2,4-Dinitrophenol	U		5.93	10.0
2-Nitrophenol	U		0.117	1.00

Method Blank (MB)

(MB) R3649855-2 05/03/21 11:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4-Nitrophenol	U		0.143	10.0
Pentachlorophenol	U		0.313	1.00
Phenol	U		4.33	10.0
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0
2,4,5-Trichlorophenol	U		0.109	1.00
2,4,6-Trichlorophenol	U		0.100	1.00
(S) Nitrobenzene-d5	*93.8*			*10.0-127*
(S) 2-Fluorobiphenyl	*106*			*10.0-130*
(S) p-Terphenyl-d14	*97.2*			*10.0-128*
(S) Phenol-d5	*42.7*			*10.0-120*
(S) 2-Fluorophenol	*66.0*			*10.0-120*
(S) 2,4,6-Tribromophenol	*121*			*10.0-155*

Laboratory Control Sample (LCS)

(LCS) R3649855-1 05/03/21 10:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetophenone	50.0	44.5	89.0	29.0-120	
Atrazine	50.0	39.1	78.2	39.0-141	
Benzaldehyde	50.0	43.4	86.8	10.0-160	
Biphenyl	50.0	40.9	81.8	38.0-120	
Bis(2-chlorethoxy)methane	50.0	37.3	74.6	33.0-120	
Bis(2-chloroethyl)ether	50.0	41.5	83.0	23.0-120	
2,2-Oxybis(1-Chloropropane)	50.0	39.5	79.0	28.0-120	
4-Bromophenyl-phenylether	50.0	48.2	96.4	45.0-120	
Caprolactam	50.0	9.82	19.6	10.0-120	
Carbazole	50.0	42.7	85.4	51.0-122	
4-Chloroaniline	50.0	30.5	61.0	25.0-120	
4-Chlorophenyl-phenylether	50.0	39.7	79.4	44.0-120	
3,3-Dichlorobenzidine	100	85.9	85.9	44.0-120	
2,4-Dinitrotoluene	50.0	42.5	85.0	49.0-124	
2,6-Dinitrotoluene	50.0	40.3	80.6	46.0-120	
Hexachloro-1,3-butadiene	50.0	33.6	67.2	19.0-120	
Hexachlorocyclopentadiene	50.0	27.1	54.2	15.0-120	
Hexachloroethane	50.0	38.3	76.6	15.0-120	
Isophorone	50.0	38.5	77.0	36.0-120	
2-Nitroaniline	50.0	44.9	89.8	43.0-120	
3-Nitroaniline	50.0	39.9	79.8	38.0-120	

Laboratory Control Sample (LCS)

(LCS) R3649855-1 05/03/21 10:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Nitroaniline	50.0	43.3	86.6	18.0-160	
Nitrobenzene	50.0	36.7	73.4	27.0-120	
n-Nitrosodiphenylamine	50.0	41.9	83.8	47.0-120	
n-Nitrosodi-n-propylamine	50.0	40.6	81.2	31.0-120	
Benzylbutyl phthalate	50.0	45.3	90.6	43.0-121	
Bis(2-ethylhexyl)phthalate	50.0	43.4	86.8	43.0-122	
Di-n-butyl phthalate	50.0	43.7	87.4	49.0-121	
Diethyl phthalate	50.0	41.2	82.4	48.0-122	
Dimethyl phthalate	50.0	40.8	81.6	48.0-120	
Di-n-octyl phthalate	50.0	44.3	88.6	42.0-125	
4-Chloro-3-methylphenol	50.0	35.2	70.4	40.0-120	
2-Chlorophenol	50.0	36.5	73.0	25.0-120	
2-Methylphenol	50.0	34.2	68.4	28.0-120	
3&4-Methyl Phenol	50.0	33.4	66.8	31.0-120	
2,4-Dichlorophenol	50.0	35.5	71.0	36.0-120	
2,4-Dimethylphenol	50.0	34.0	68.0	33.0-120	
4,6-Dinitro-2-methylphenol	50.0	50.7	101	38.0-138	
2,4-Dinitrophenol	50.0	45.0	90.0	10.0-120	
2-Nitrophenol	50.0	37.9	75.8	31.0-120	
4-Nitrophenol	50.0	17.1	34.2	10.0-120	
Pentachlorophenol	50.0	40.3	80.6	23.0-120	
Phenol	50.0	16.0	32.0	10.0-120	
1,2,4,5-Tetrachlorobenzene	50.0	35.7	71.4	31.0-121	
2,4,5-Trichlorophenol	50.0	41.2	82.4	44.0-120	
2,4,6-Trichlorophenol	50.0	41.6	83.2	42.0-120	
(S) Nitrobenzene-d5			*71.0*	*10.0-127*	
(S) 2-Fluorobiphenyl			*97.2*	*10.0-130*	
(S) p-Terphenyl-d14			*87.4*	*10.0-128*	
(S) Phenol-d5			*34.6*	*10.0-120*	
(S) 2-Fluorophenol			*55.5*	*10.0-120*	
(S) 2,4,6-Tribromophenol			*118*	*10.0-155*	

L1345062-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345062-04 05/03/21 13:33 • (MS) R3649855-3 05/03/21 13:56 • (MSD) R3649855-4 05/03/21 14:18

Analyte	Spike Amount ug/l	Original Result	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetophenone	50.0		45.3	41.6	90.6	83.2	1	20.0-120			8.52	35
Atrazine	50.0		39.8	36.7	79.6	73.4	1	39.0-130			8.10	23

L1345062-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345062-04 05/03/21 13:33 • (MS) R3649855-3 05/03/21 13:56 • (MSD) R3649855-4 05/03/21 14:18

Analyte	Spike Amount ug/l	Original Result	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzaldehyde	50.0		43.6	39.3	87.2	78.6	1	10.0-160			10.4	40
Biphenyl	50.0		43.1	40.5	86.2	81.0	1	29.0-120			6.22	33
Bis(2-chlorethoxy)methane	50.0	U	38.4	36.3	76.8	72.6	1	17.0-120			5.62	31
Bis(2-chloroethyl)ether	50.0	U	44.3	40.4	88.6	80.8	1	14.0-120			9.21	33
4-Bromophenyl-phenylether	50.0	U	51.1	47.6	102	95.2	1	37.0-120			7.09	24
Caprolactam	50.0		11.2	10.6	22.4	21.2	1	10.0-120			5.50	40
Carbazole	50.0		45.2	41.6	90.4	83.2	1	38.0-127			8.29	21
4-Chloroaniline	50.0		27.5	29.8	55.0	59.6	1	10.0-120			8.03	31
4-Chlorophenyl-phenylether	50.0	U	42.2	40.2	84.4	80.4	1	36.0-120			4.85	23
3,3-Dichlorobenzidine	100	U	55.5	60.6	55.5	60.6	1	10.0-134			8.79	30
2,4-Dinitrotoluene	50.0	U	45.3	42.9	90.6	85.8	1	39.0-125			5.44	25
2,6-Dinitrotoluene	50.0	U	42.5	41.5	85.0	83.0	1	36.0-120			2.38	27
Hexachloro-1,3-butadiene	50.0	U	35.0	32.4	70.0	64.8	1	12.0-120			7.72	34
Hexachloroethane	50.0	U	39.4	36.1	78.8	72.2	1	10.0-120			8.74	40
Hexachlorocyclopentadiene	50.0	U	33.8	31.6	67.6	63.2	1	10.0-120			6.73	33
Isophorone	50.0	U	39.3	37.0	78.6	74.0	1	21.0-120			6.03	27
2-Nitroaniline	50.0		47.5	44.3	95.0	88.6	1	33.0-120			6.97	27
3-Nitroaniline	50.0		40.1	37.9	80.2	75.8	1	20.0-120			5.64	27
4-Nitroaniline	50.0		45.7	42.1	91.4	84.2	1	10.0-160			8.20	26
Nitrobenzene	50.0	U	38.4	35.3	76.8	70.6	1	12.0-120			8.41	30
n-Nitrosodiphenylamine	50.0	U	43.7	41.3	87.4	82.6	1	37.0-120			5.65	24
n-Nitrosodi-n-propylamine	50.0	U	41.3	38.3	82.6	76.6	1	16.0-120			7.54	30
Benzylbutyl phthalate	50.0	U	48.3	45.0	96.6	90.0	1	34.0-126			7.07	24
Bis(2-ethylhexyl)phthalate	50.0	U	46.2	43.1	92.4	86.2	1	33.0-126			6.94	25
Di-n-butyl phthalate	50.0	U	47.7	43.6	95.4	87.2	1	35.0-128			8.98	23
Dimethyl phthalate	50.0	U	42.9	40.8	85.8	81.6	1	37.0-120			5.02	24
Di-n-octyl phthalate	50.0	U	48.1	44.8	96.2	89.6	1	25.0-135			7.10	26
Diethyl phthalate	50.0	1.32	43.9	41.6	85.2	80.6	1	39.0-125			5.38	24
4-Chloro-3-methylphenol	50.0	U	36.3	34.2	72.6	68.4	1	26.0-120			5.96	27
2-Chlorophenol	50.0	U	39.5	35.2	79.0	70.4	1	18.0-120			11.5	34
3&4-Methyl Phenol	50.0		37.1	33.2	74.2	66.4	1	10.0-120			11.1	36
2,4-Dichlorophenol	50.0	U	36.6	34.5	73.2	69.0	1	19.0-120			5.91	27
2-Methylphenol	50.0	U	37.6	34.1	75.2	68.2	1	10.0-120			9.76	30
2,4-Dimethylphenol	50.0	U	37.2	32.8	74.4	65.6	1	15.0-120			12.6	28
4,6-Dinitro-2-methylphenol	50.0	U	54.7	50.6	109	101	1	10.0-144			7.79	39
2,4-Dinitrophenol	50.0	U	49.6	47.0	99.2	94.0	1	10.0-120			5.38	40
2-Nitrophenol	50.0	U	40.1	37.0	80.2	74.0	1	20.0-120			8.04	30
4-Nitrophenol	50.0	U	21.1	18.8	42.2	37.6	1	10.0-120			11.5	40
Phenol	50.0	U	18.9	16.7	37.8	33.4	1	10.0-120			12.4	40
2,4,5-Trichlorophenol	50.0		44.4	40.6	88.8	81.2	1	33.0-120			8.94	31

L1345062-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345062-04 05/03/21 13:33 • (MS) R3649855-3 05/03/21 13:56 • (MSD) R3649855-4 05/03/21 14:18

Analyte	Spike Amount ug/l	Original Result	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Pentachlorophenol	50.0	U	51.8	46.7	104	93.4	1	10.0-128			10.4	37
2,4,6-Trichlorophenol	50.0	U	43.4	41.2	86.8	82.4	1	26.0-120			5.20	31
1,2,4,5-Tetrachlorobenzene	50.0		36.5	34.5	73.0	69.0	1	19.0-122			5.63	32
2,2-Oxybis(1-Chloropropane)	50.0	U	40.6	37.5	81.2	75.0	1	18.0-120			7.94	34
(S) Nitrobenzene-d5					*75.6*	*70.8*		*10.0-127*				
(S) 2-Fluorobiphenyl					*102*	*97.0*		*10.0-130*				
(S) p-Terphenyl-d14					*92.4*	*86.6*		*10.0-128*				
(S) Phenol-d5					*40.9*	*36.1*		*10.0-120*				
(S) 2-Fluorophenol					*65.0*	*57.0*		*10.0-120*				
(S) 2,4,6-Tribromophenol					*129*	*120*		*10.0-155*				

Method Blank (MB)

(MB) R3649176-2 04/30/21 19:07

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0171	0.0500
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(g,h,i)perylene	U		0.0184	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Fluoranthene	U		0.0270	0.100
Fluorene	U		0.0169	0.0500
Hexachlorobenzene	U		0.00670	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
Phenanthrene	U		0.0180	0.0500
Pyrene	U		0.0169	0.0500
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
2-Chloronaphthalene	U		0.0682	0.250
Dibenzofuran	U		0.0191	0.0500
(S) Nitrobenzene-d5	*83.0*			*31.0-160*
(S) 2-Fluorobiphenyl	*96.5*			*48.0-148*
(S) p-Terphenyl-d14	*119*			*37.0-146*

Laboratory Control Sample (LCS)

(LCS) R3649176-1 04/30/21 18:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dibenzofuran	2.00	2.26	113	67.0-134	
Anthracene	2.00	2.22	111	67.0-150	
Acenaphthene	2.00	2.18	109	65.0-138	
Acenaphthylene	2.00	2.42	121	66.0-140	
Benzo(a)anthracene	2.00	2.24	112	61.0-140	
Benzo(a)pyrene	2.00	1.90	95.0	60.0-143	
Benzo(b)fluoranthene	2.00	2.08	104	58.0-141	
Benzo(g,h,i)perylene	2.00	1.81	90.5	52.0-153	
Benzo(k)fluoranthene	2.00	1.90	95.0	58.0-148	

Laboratory Control Sample (LCS)

(LCS) R3649176-1 04/30/21 18:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chrysene	2.00	2.16	108	64.0-144	
Dibenz(a,h)anthracene	2.00	1.88	94.0	52.0-155	
Fluoranthene	2.00	2.43	122	69.0-153	
Fluorene	2.00	2.31	115	64.0-136	
Hexachlorobenzene	2.00	2.40	120	40.0-140	
Indeno(1,2,3-cd)pyrene	2.00	1.88	94.0	54.0-153	
Naphthalene	2.00	1.89	94.5	61.0-137	
Phenanthrene	2.00	2.11	105	62.0-137	
Pyrene	2.00	2.11	105	60.0-142	
1-Methylnaphthalene	2.00	1.87	93.5	66.0-142	
2-Methylnaphthalene	2.00	1.81	90.5	62.0-136	
2-Chloronaphthalene	2.00	2.22	111	64.0-140	
(S) Nitrobenzene-d5			*94.5*	*31.0-160*	
(S) 2-Fluorobiphenyl			*119*	*48.0-148*	
(S) p-Terphenyl-d14			*126*	*37.0-146*	

L1345719-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345719-03 05/01/21 02:28 • (MS) R3649176-3 05/01/21 02:48 • (MSD) R3649176-4 05/01/21 03:08

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	1.90	U	2.23	2.11	117	111	1	56.0-156			5.53	20
Dibenzofuran	1.90	U	2.14	2.02	113	106	1	48.0-138			5.77	20
Acenaphthene	1.90	U	2.17	2.06	114	108	1	44.0-153			5.20	20
Acenaphthylene	1.90	U	2.32	2.28	122	120	1	53.0-150			1.74	20
Benzo(a)anthracene	1.90	U	2.18	2.13	115	112	1	47.0-151			2.32	20
Benzo(a)pyrene	1.90	U	1.90	1.85	100	97.4	1	45.0-146			2.67	20
Benzo(b)fluoranthene	1.90	U	1.92	1.97	101	104	1	43.0-142			2.57	20
Benzo(g,h,i)perylene	1.90	U	1.89	1.84	99.5	96.8	1	40.0-147			2.68	20
Benzo(k)fluoranthene	1.90	U	1.90	1.81	100	95.3	1	43.0-148			4.85	21
Chrysene	1.90	U	2.11	2.05	111	108	1	50.0-148			2.88	20
Dibenz(a,h)anthracene	1.90	U	1.97	1.85	104	97.4	1	37.0-151			6.28	20
Fluoranthene	1.90	0.0271	2.34	2.26	122	118	1	56.0-157			3.48	20
Fluorene	1.90	U	2.29	2.14	121	113	1	48.0-148			6.77	20
Indeno(1,2,3-cd)pyrene	1.90	U	1.98	1.83	104	96.3	1	41.0-148			7.87	20
Hexachlorobenzene	1.90	U	2.26	2.06	119	108	1	40.0-140			9.26	20
Naphthalene	1.90	U	1.89	1.78	99.5	93.7	1	10.0-160			5.99	20
Phenanthrene	1.90	0.0240	2.27	2.19	118	114	1	47.0-147			3.59	20
Pyrene	1.90	0.0192	2.14	1.94	112	101	1	51.0-148			9.80	20

L1345719-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345719-03 05/01/21 02:28 • (MS) R3649176-3 05/01/21 02:48 • (MSD) R3649176-4 05/01/21 03:08

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1-Methylnaphthalene	1.90	U	2.02	2.00	106	105	1	21.0-160			0.995	20
2-Methylnaphthalene	1.90	U	1.94	1.86	102	97.9	1	31.0-160			4.21	20
2-Chloronaphthalene	1.90	U	2.08	1.94	109	102	1	52.0-148			6.97	20
(S) Nitrobenzene-d5					*106*	*104*		*31.0-160*				
(S) 2-Fluorobiphenyl					*99.5*	*104*		*48.0-148*				
(S) p-Terphenyl-d14					*118*	*105*		*37.0-146*				

Method Blank (MB)

(MB) R3649853-3 05/03/21 21:29

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0171	0.0500
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(g,h,i)perylene	U		0.0184	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Fluoranthene	U		0.0270	0.100
Fluorene	U		0.0169	0.0500
Hexachlorobenzene	U		0.00670	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
Phenanthrene	U		0.0180	0.0500
Pyrene	U		0.0169	0.0500
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
2-Chloronaphthalene	U		0.0682	0.250
Dibenzofuran	U		0.0191	0.0500
(S) 2-Fluorobiphenyl	*88.5*			*48.0-148*
(S) p-Terphenyl-d14	*101*			*37.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3649853-1 05/03/21 20:59 • (LCSD) R3649853-2 05/03/21 21:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dibenzofuran	2.00	1.71	1.74	85.5	87.0	67.0-134			1.74	20
Anthracene	2.00	1.76	1.84	88.0	92.0	67.0-150			4.44	20
Acenaphthene	2.00	1.70	1.72	85.0	86.0	65.0-138			1.17	20
Acenaphthylene	2.00	1.86	1.88	93.0	94.0	66.0-140			1.07	20
Benzo(a)anthracene	2.00	1.80	1.82	90.0	91.0	61.0-140			1.10	20
Benzo(a)pyrene	2.00	1.60	1.63	80.0	81.5	60.0-143			1.86	20
Benzo(b)fluoranthene	2.00	1.54	1.54	77.0	77.0	58.0-141			0.000	20
Benzo(g,h,i)perylene	2.00	1.61	1.64	80.5	82.0	52.0-153			1.85	20
Benzo(k)fluoranthene	2.00	1.66	1.63	83.0	81.5	58.0-148			1.82	20
Chrysene	2.00	1.71	1.78	85.5	89.0	64.0-144			4.01	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3649853-1 05/03/21 20:59 • (LCSD) R3649853-2 05/03/21 21:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dibenz(a,h)anthracene	2.00	1.70	1.74	85.0	87.0	52.0-155			2.33	20
Fluoranthene	2.00	1.78	1.82	89.0	91.0	69.0-153			2.22	20
Fluorene	2.00	1.77	1.80	88.5	90.0	64.0-136			1.68	20
Hexachlorobenzene	2.00	1.69	1.69	84.5	84.5	40.0-140			0.000	20
Indeno(1,2,3-cd)pyrene	2.00	1.54	1.58	77.0	79.0	54.0-153			2.56	20
Naphthalene	2.00	1.70	1.67	85.0	83.5	61.0-137			1.78	20
Phenanthrene	2.00	1.72	1.77	86.0	88.5	62.0-137			2.87	20
Pyrene	2.00	1.77	1.83	88.5	91.5	60.0-142			3.33	20
1-Methylnaphthalene	2.00	1.70	1.73	85.0	86.5	66.0-142			1.75	20
2-Methylnaphthalene	2.00	1.64	1.62	82.0	81.0	62.0-136			1.23	20
2-Chloronaphthalene	2.00	1.73	1.72	86.5	86.0	64.0-140			0.580	20
(S) Nitrobenzene-d5				*94.5*	*102*	*31.0-160*				
(S) 2-Fluorobiphenyl				*83.5*	*86.5*	*48.0-148*				
(S) p-Terphenyl-d14				*91.0*	*94.5*	*37.0-146*				

Method Blank (MB)

(MB) R3650223-3 05/04/21 09:04

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0171	0.0500
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(g,h,i)perylene	U		0.0184	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Fluoranthene	U		0.0270	0.100
Fluorene	U		0.0169	0.0500
Hexachlorobenzene	U		0.00670	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
Phenanthrene	U		0.0180	0.0500
Pyrene	U		0.0169	0.0500
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
2-Chloronaphthalene	U		0.0682	0.250
Dibenzofuran	U		0.0191	0.0500
(S) Nitrobenzene-d5	*100*			*31.0-160*
(S) 2-Fluorobiphenyl	*113*			*48.0-148*
(S) p-Terphenyl-d14	*139*			*37.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3650223-1 05/04/21 08:46 • (LCSD) R3650223-2 05/04/21 08:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dibenzofuran	2.00	2.22	2.26	111	113	67.0-134			1.79	20
Anthracene	2.00	2.26	2.30	113	115	67.0-150			1.75	20
Acenaphthene	2.00	2.18	2.22	109	111	65.0-138			1.82	20
Acenaphthylene	2.00	2.17	2.32	108	116	66.0-140			6.68	20
Benzo(a)anthracene	2.00	2.04	2.14	102	107	61.0-140			4.78	20
Benzo(a)pyrene	2.00	2.23	2.30	111	115	60.0-143			3.09	20
Benzo(b)fluoranthene	2.00	2.36	2.45	118	122	58.0-141			3.74	20
Benzo(g,h,i)perylene	2.00	2.19	2.11	109	105	52.0-153			3.72	20
Benzo(k)fluoranthene	2.00	2.57	2.70	129	135	58.0-148			4.93	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3650223-1 05/04/21 08:46 • (LCSD) R3650223-2 05/04/21 08:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chrysene	2.00	2.35	2.43	117	122	64.0-144			3.35	20
Dibenz(a,h)anthracene	2.00	2.25	2.19	112	109	52.0-155			2.70	20
Fluoranthene	2.00	1.91	2.17	95.5	108	69.0-153			12.7	20
Fluorene	2.00	2.28	2.25	114	112	64.0-136			1.32	20
Hexachlorobenzene	2.00	2.46	2.48	123	124	40.0-140			0.810	20
Indeno(1,2,3-cd)pyrene	2.00	2.17	2.10	108	105	54.0-153			3.28	20
Naphthalene	2.00	2.05	2.11	103	105	61.0-137			2.88	20
Phenanthrene	2.00	2.10	2.16	105	108	62.0-137			2.82	20
Pyrene	2.00	2.61	2.57	131	129	60.0-142			1.54	20
1-Methylnaphthalene	2.00	2.16	2.26	108	113	66.0-142			4.52	20
2-Methylnaphthalene	2.00	2.03	2.11	102	105	62.0-136			3.86	20
2-Chloronaphthalene	2.00	2.16	2.32	108	116	64.0-140			7.14	20
(S) Nitrobenzene-d5				*90.5*	*98.5*	*31.0-160*				
(S) 2-Fluorobiphenyl				*104*	*114*	*48.0-148*				
(S) p-Terphenyl-d14				*133*	*136*	*37.0-146*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Arcadis - Chevron - NY

50 Millstone Rd.
Bldg 200, Suite 220
East Windsor. NJ 08520

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Report to: **Ryan Merrell**

Email To: **ed.meyer@arcadis.com;christopher.laprus@arc**

Project Description: **Pod 4 - Beacon PMG00037**

City/State Collected: Beacon, New York

Please Circle: PT MT CT ET

Phone: **609-860-0590**

Client Project # **30064362.19.45**

Lab Project # **CHEVARCNY-BEACON**

Collected by (print): Kirk Vargas / Milton Winrow

Site/Facility ID # **PMG00037**

P.O. # 30064362.19.45

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270D 100ml Amb NoPres	8270DIOXANE 100ml Amb-NoPres	DBCP - V524LL 40mlAmb HCl	PAHSIMLVID 40mlAmb-NoPres-WT	PBDG - Lab filter 250mlHDPE-NoPres	V8260LLC 40mlAmb-HCl	V8260LLC-TripBlank 40mlAmb-HCl-Blk				Remarks	Sample # (lab only)
OS-2-W-2104 26	Grab	GW		4/26/21	1315	11	X		X	X	X	X						-01
OS-3-W-2104 27	Grab	GW		4/27/21	1005	11	X		X	X	X	X						-02
OR-2-W-2104 26	Grab	GW		4/26/21	1303	11	X		X	X	X	X						-03
OR-3-W-2104 27	Grab	GW		4/27/21	1057	11	X		X	X	X	X						-04
DB-17-W-2104 28	Grab	GW		4/28/21	1020	13	X	X	X	X	X	X						-05
DB-8A-W-2104 27	Grab	GW		4/27/21	1240	13	X	X	X	X	X	X						-06
DC-2-W-2104 27	Grab	GW		4/27/21	1465	11	X		X	X	X	X						-07
DC-1-W-2104 27	Grab	GW		4/27/21	1441	11	X		X	X	X	X						-08
TF-23-W-2104 28	Grab	GW		4/28/21	0921	11	X		X	X	X	X						-09
TF-5-W-2104 28	Grab	GW		4/28/21	0915	11	X		X	X	X	X						-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4/28/21	1400	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp 2.0 °C Bottles Received: 193
2.1 - .1 = 2.0

Date: 4/29/21 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 2 of 2

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Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1345719

Table #

Acctnum: **CHEVARCNY**

Template: **T166593**

Prelogin: **P842333**

PM: **526 - Chris McCord**

PB: 4-21-21 mnf

Shipped Via: **FedEx 2nd Day**

Company Name/Address:
Arcadis - Chevron - NY

50 Millstone Rd.
Bldg 200, Suite 220
East Windsor. NJ 08520

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Report to: **Ryan Merrell**

Email To: ed.meyer@arcadis.com;christopher.laprus@arc

Project Description: **Pod 4 - Beacon PMG00037**

City/State Collected: Beacon, NY

Please Circle: PT MT CT ET

Phone: **609-860-0590**

Client Project # **30064362.19.45**

Lab Project # **CHEVARCNY-BEACON**

Collected by (print): Kate Vargas / Miller Winrow

Site/Facility ID # **PMG00037**

P.O. # 30064362.19.45

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

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SDG # L1345719

C218

Acctnum: **CHEVARCNY**
Template: **T166593**
Prelogin: **P842333**
PM: **526 - Chris McCord**
PB: 4-21-21 MMB
Shipped Via: **FedEX 2nd Day**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270D 100ml Amb NoPres	8270DIOXANE 100ml Amb-NoPres	DBCP - V524LL 40mlAmb HCl	PAHSIMLVID 40mlAmb-NoPres-WT	PBDG - Lab filter 250mlHDPE-NoPres	V8260LLC 40mlAmb-HCl	V8260LLC-TripBlank 40mlAmb-HCl-Blk				Remarks	Sample # (lab only)
		GW				11	X		X	X	X	X						
BD-W-210426	Grab	GW		4/26/21	—	11	X		X	X	X	X						-11
EB-W-210426	Grab	GW		4/26/21	1430	11	X		X	X	X	X						-12
EB-W-210427	Grab	GW		4/27/21	1500	11	X		X	X	X	X						-13
EB-W-210428	Grab	GW		4/28/21	1130	11	X		X	X	X	X						-14
MS-W-210426	Grab	GW		4/26/21	1303	11	X		X	X	X	X					-03	-15
MSD-W-210426	Grab	GW		4/26/21	1303	11	X		X	X	X	X					-03	-16
TB-W-210426	Grab	GW		4/26/21	—	1							X					-15 -17
TB-W-210427	Grab	GW		4/27/21	—	1							X					-16 -17
TB-W-210428	Grab	GW		4/28/21	—	1							X					-17

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	
	4/28/21	1400		3	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp 1.7+.2 °C 2.1-.1=2.0	Bottles Received: 193
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/29/21	Time: 0900

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

ANALYTICAL REPORT

October 24, 2021

Arcadis - Chevron - NY

Sample Delivery Group:	L1415506
Samples Received:	10/08/2021
Project Number:	30064362.19.45
Description:	Pod 4 - Beacon PMG00037
Site:	PMG00037
Report To:	Ryan Merrell 4 Dwight Park Drive Syracuse, NY 13209

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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OS-2-W-211007 L1415506-01 GW

Collected by: Shannon T. | Collected date/time: 10/07/21 13:20 | Received date/time: 10/08/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1759994	1	10/20/21 08:38	10/21/21 12:26	JDG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1758798	1	10/19/21 14:29	10/19/21 14:29	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1757539	1	10/15/21 01:07	10/15/21 01:07	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1756476	1	10/14/21 09:02	10/14/21 22:19	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1755638	1	10/13/21 12:03	10/13/21 20:00	AAT	Mt. Juliet, TN

OS-3-W-211007 L1415506-02 GW

Collected by: Shannon T. | Collected date/time: 10/07/21 13:24 | Received date/time: 10/08/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1759994	1	10/20/21 08:38	10/21/21 12:29	JDG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1758798	1	10/19/21 14:53	10/19/21 14:53	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1757539	1	10/15/21 01:27	10/15/21 01:27	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1756476	1	10/14/21 09:02	10/14/21 22:41	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1755638	1	10/13/21 12:03	10/13/21 20:20	AAT	Mt. Juliet, TN

OR-2-W-211007 L1415506-03 GW

Collected by: Shannon T. | Collected date/time: 10/07/21 12:25 | Received date/time: 10/08/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1759994	1	10/20/21 08:38	10/21/21 12:33	JDG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1758798	1	10/19/21 15:16	10/19/21 15:16	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1757539	1	10/15/21 01:46	10/15/21 01:46	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1756476	1	10/14/21 09:02	10/16/21 07:04	SHG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1755638	1	10/13/21 12:03	10/13/21 20:40	AAT	Mt. Juliet, TN

OR-3-W-211007 L1415506-04 GW

Collected by: Shannon T. | Collected date/time: 10/07/21 12:15 | Received date/time: 10/08/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1759994	1	10/20/21 08:38	10/21/21 09:10	JDG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1758798	1	10/19/21 15:40	10/19/21 15:40	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1761516	1	10/21/21 21:57	10/21/21 21:57	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1756476	1	10/14/21 09:02	10/15/21 00:49	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1756461	1	10/13/21 21:42	10/14/21 08:13	AAT	Mt. Juliet, TN

DB-17-W-211006 L1415506-05 GW

Collected by: Shannon T. | Collected date/time: 10/06/21 12:45 | Received date/time: 10/08/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1759994	1	10/20/21 08:38	10/21/21 12:36	JDG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1758798	1	10/19/21 16:03	10/19/21 16:03	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1757539	1	10/15/21 02:25	10/15/21 02:25	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod	WG1754916	1	10/12/21 10:13	10/12/21 21:18	JNJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1755648	1	10/13/21 07:35	10/13/21 16:04	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1755637	1	10/13/21 12:04	10/13/21 19:53	AAT	Mt. Juliet, TN

DB-8A-W-211006 L1415506-06 GW

Collected by: Shannon T. | Collected date/time: 10/06/21 11:40 | Received date/time: 10/08/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1759994	1	10/20/21 08:38	10/21/21 12:39	JDG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1758798	1	10/19/21 16:27	10/19/21 16:27	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1757539	1	10/15/21 02:44	10/15/21 02:44	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod	WG1754916	1	10/12/21 10:13	10/12/21 21:38	JNJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1755648	1	10/13/21 07:35	10/13/21 16:25	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1755637	1	10/13/21 12:04	10/13/21 20:11	AAT	Mt. Juliet, TN

DC-2-W-211006 L1415506-07 GW

Collected by: Shannon T. | Collected date/time: 10/06/21 11:20 | Received date/time: 10/08/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1759994	1	10/20/21 08:38	10/21/21 12:42	JDG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1758798	1	10/19/21 16:50	10/19/21 16:50	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1757539	1	10/15/21 03:04	10/15/21 03:04	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1755648	1	10/13/21 07:35	10/13/21 22:48	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1755637	1	10/13/21 12:04	10/13/21 20:28	AAT	Mt. Juliet, TN

DC-1-W-211006 L1415506-08 GW

Collected by: Shannon T. | Collected date/time: 10/06/21 12:35 | Received date/time: 10/08/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1759994	1	10/20/21 08:38	10/21/21 12:46	JDG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1758798	1	10/19/21 17:14	10/19/21 17:14	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1757539	1	10/15/21 03:23	10/15/21 03:23	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1758998	1	10/18/21 16:33	10/18/21 16:33	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1755648	1	10/13/21 07:35	10/13/21 16:46	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1755637	1	10/13/21 12:04	10/13/21 20:45	AAT	Mt. Juliet, TN

BD-W-211007 L1415506-09 GW

Collected by: Shannon T. | Collected date/time: 10/07/21 00:00 | Received date/time: 10/08/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1759994	1	10/20/21 08:38	10/21/21 12:49	JDG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1758798	1	10/19/21 17:38	10/19/21 17:38	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1757539	1	10/15/21 03:42	10/15/21 03:42	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1756476	1	10/14/21 09:02	10/15/21 02:57	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1756461	1	10/13/21 21:42	10/14/21 09:05	AAT	Mt. Juliet, TN

FB-W-211006 L1415506-10 GW

Collected by: Shannon T. | Collected date/time: 10/06/21 14:00 | Received date/time: 10/08/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1759994	1	10/20/21 08:38	10/21/21 12:52	JDG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1758798	1	10/19/21 18:01	10/19/21 18:01	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1757539	1	10/15/21 04:02	10/15/21 04:02	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1755648	1	10/13/21 07:35	10/13/21 17:08	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1755637	1	10/13/21 12:04	10/13/21 21:03	AAT	Mt. Juliet, TN

FB-W-211007 L1415506-11 GW

Collected by: Shannon T.
Collected date/time: 10/07/21 15:00
Received date/time: 10/08/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1759994	1	10/20/21 08:38	10/21/21 12:56	JDG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1758798	1	10/19/21 18:25	10/19/21 18:25	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1757539	1	10/15/21 04:21	10/15/21 04:21	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1756476	1	10/14/21 09:02	10/14/21 23:02	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1756461	1	10/13/21 21:42	10/14/21 09:22	AAT	Mt. Juliet, TN

TB-W-211007 L1415506-14 GW

Collected by: Shannon T.
Collected date/time: 10/07/21 00:00
Received date/time: 10/08/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1757539	1	10/15/21 00:28	10/15/21 00:28	ACG	Mt. Juliet, TN

TB-W-211007 L1415506-15 GW

Collected by: Shannon T.
Collected date/time: 10/07/21 00:00
Received date/time: 10/08/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1757539	1	10/15/21 00:48	10/15/21 00:48	ACG	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG1757539	L1415506-01	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and Naphthalene
WG1757539	L1415506-02	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and Naphthalene
WG1757539	L1415506-03	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and Naphthalene
WG1757539	L1415506-05	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and Naphthalene
WG1757539	L1415506-06	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and Naphthalene
WG1757539	L1415506-07	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and Naphthalene
WG1757539	L1415506-08	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and Naphthalene
WG1757539	L1415506-09	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and Naphthalene
WG1757539	L1415506-10	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and Naphthalene
WG1757539	L1415506-11	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and Naphthalene
WG1757539	L1415506-14	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and Naphthalene
WG1757539	L1415506-15	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane and Naphthalene
WG1761516	L1415506-04	trans-1,4-Dichloro-2-butene and Vinyl acetate

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG1757539	(LCS) R3717809-1, (LCSD) R3717809-2, L1415506-01, 02, 03, 05, 06, 07, 08, 09, 10, 11, 14, 15	1,1,1-Trichloroethane, 2,2-Dichloropropane, Benzene, Chloroform, Dibromomethane, trans-1,2-Dichloroethene and Vinyl chloride
WG1761516	(LCS) R3720001-1, L1415506-04	1,3-Dichlorobenzene

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG1761516	(LCS) R3720001-1, L1415506-04	trans-1,4-Dichloro-2-butene

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG1761516	(LCSD) R3720001-2	trans-1,4-Dichloro-2-butene

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG1761516	(MS) R3720001-4, (MSD) R3720001-5, L1415506-04	2-Chloroethyl vinyl ether

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG1761516	(MSD) R3720001-5, L1415506-04	1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene and Tetrachloroethene

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG1756476	(LCS) R3717136-1, L1415506-01, 02, 03, 04, 09, 11	4-Nitrophenol

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG1756476	(MS) R3717136-5, (MSD) R3717136-6	4-Nitrophenol

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Surrogate recovery limits have been exceeded; values are outside upper control limits.

Batch	Analyte	Lab Sample ID
WG1755637	p-Terphenyl-d14	(BLANK) R3716401-3, (LCS) R3716401-1, (LCSD) R3716401-2, L1415506-05, 06, 07, 08, 10
WG1755638	p-Terphenyl-d14	L1415506-01
WG1756461	p-Terphenyl-d14	(BLANK) R3716940-2, (LCS) R3716940-1, (MS) R3716940-5, (MSD) R3716940-6, L1415506-09, 11

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG1756461	(MSD) R3716940-4, (MSD) R3716940-6, L1415506-04	21 analytes

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:26	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/15/2021 01:07	WG1757539
Acrylonitrile	U		0.671	5.00	1	10/15/2021 01:07	WG1757539
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 14:29	WG1758798
Benzene	U	J4	0.0941	0.500	1	10/15/2021 01:07	WG1757539
Bromobenzene	U		0.118	0.500	1	10/15/2021 01:07	WG1757539
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 01:07	WG1757539
Bromochloromethane	U		0.128	0.500	1	10/15/2021 01:07	WG1757539
Bromoform	U		0.129	0.500	1	10/15/2021 01:07	WG1757539
Bromomethane	U		0.605	2.50	1	10/15/2021 01:07	WG1757539
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 01:07	WG1757539
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 01:07	WG1757539
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 01:07	WG1757539
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 01:07	WG1757539
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 01:07	WG1757539
Chlorobenzene	U		0.117	0.500	1	10/15/2021 01:07	WG1757539
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 01:07	WG1757539
Chloroethane	U		0.192	2.50	1	10/15/2021 01:07	WG1757539
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/15/2021 01:07	WG1757539
Chloroform	U	J4	0.111	0.500	1	10/15/2021 01:07	WG1757539
Chloromethane	U		0.960	1.25	1	10/15/2021 01:07	WG1757539
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 01:07	WG1757539
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 01:07	WG1757539
1,2-Dibromo-3-Chloropropane	U	C3	0.276	2.50	1	10/15/2021 01:07	WG1757539
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 01:07	WG1757539
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 01:07	WG1757539
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 01:07	WG1757539
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 01:07	WG1757539
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 01:07	WG1757539
Dichlorodifluoromethane	U		0.374	2.50	1	10/15/2021 01:07	WG1757539
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 01:07	WG1757539
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 01:07	WG1757539
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 01:07	WG1757539
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 01:07	WG1757539
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 01:07	WG1757539
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 01:07	WG1757539
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 01:07	WG1757539
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 01:07	WG1757539
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 01:07	WG1757539
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 01:07	WG1757539
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 01:07	WG1757539
2,2-Dichloropropane	U	J4	0.161	0.500	1	10/15/2021 01:07	WG1757539
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 01:07	WG1757539
Ethylbenzene	U		0.137	0.500	1	10/15/2021 01:07	WG1757539
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 01:07	WG1757539
2-Hexanone	U		0.787	5.00	1	10/15/2021 01:07	WG1757539
n-Hexane	U		0.749	5.00	1	10/15/2021 01:07	WG1757539
Iodomethane	U		0.554	5.00	1	10/15/2021 01:07	WG1757539
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 01:07	WG1757539
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 01:07	WG1757539
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 01:07	WG1757539

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/15/2021 01:07	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 01:07	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 01:07	WG1757539
Naphthalene	U	C3	0.174	2.50	1	10/15/2021 01:07	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 01:07	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 01:07	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 01:07	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 01:07	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 01:07	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 01:07	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 01:07	WG1757539
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	10/15/2021 01:07	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 01:07	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 01:07	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 01:07	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 01:07	WG1757539
Trichlorofluoromethane	U		0.160	2.50	1	10/15/2021 01:07	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 01:07	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 01:07	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 01:07	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 01:07	WG1757539
Vinyl acetate	U		0.692	5.00	1	10/15/2021 01:07	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 01:07	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 01:07	WG1757539
(S) Toluene-d8	*95.0*			*80.0-120*		*10/15/2021 01:07*	WG1757539
(S) 4-Bromofluorobenzene	*96.0*			*77.0-126*		*10/15/2021 01:07*	WG1757539
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*10/15/2021 01:07*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/14/2021 22:19	WG1756476
Atrazine	U		0.255	10.0	1	10/14/2021 22:19	WG1756476
Benzaldehyde	U		1.69	10.0	1	10/14/2021 22:19	WG1756476
Biphenyl	U		0.790	10.0	1	10/14/2021 22:19	WG1756476
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/14/2021 22:19	WG1756476
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/14/2021 22:19	WG1756476
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/14/2021 22:19	WG1756476
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/14/2021 22:19	WG1756476
Caprolactam	U		0.309	10.0	1	10/14/2021 22:19	WG1756476
Carbazole	U		0.111	10.0	1	10/14/2021 22:19	WG1756476
4-Chloroaniline	U		0.234	5.00	1	10/14/2021 22:19	WG1756476
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/14/2021 22:19	WG1756476
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/14/2021 22:19	WG1756476
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/14/2021 22:19	WG1756476
2,6-Dinitrotoluene	U		0.250	5.00	1	10/14/2021 22:19	WG1756476
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/14/2021 22:19	WG1756476
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/14/2021 22:19	WG1756476
Hexachloroethane	U		0.127	5.00	1	10/14/2021 22:19	WG1756476
Isophorone	U		0.143	10.0	1	10/14/2021 22:19	WG1756476
2-Nitroaniline	U		0.102	10.0	1	10/14/2021 22:19	WG1756476
3-Nitroaniline	U		0.0869	5.00	1	10/14/2021 22:19	WG1756476
4-Nitroaniline	U		0.0910	5.00	1	10/14/2021 22:19	WG1756476
Nitrobenzene	U		0.297	10.0	1	10/14/2021 22:19	WG1756476
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/14/2021 22:19	WG1756476
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/14/2021 22:19	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/14/2021 22:19	WG1756476
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/14/2021 22:19	WG1756476
Di-n-butyl phthalate	U		0.453	3.00	1	10/14/2021 22:19	WG1756476
Diethyl phthalate	U		0.287	3.00	1	10/14/2021 22:19	WG1756476
Dimethyl phthalate	U		0.260	3.00	1	10/14/2021 22:19	WG1756476
Di-n-octyl phthalate	U		0.932	3.00	1	10/14/2021 22:19	WG1756476
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/14/2021 22:19	WG1756476
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/14/2021 22:19	WG1756476
2-Chlorophenol	U		0.133	1.00	1	10/14/2021 22:19	WG1756476
2-Methylphenol	U		0.0929	1.00	1	10/14/2021 22:19	WG1756476
3&4-Methyl Phenol	U		0.168	1.00	1	10/14/2021 22:19	WG1756476
2,4-Dichlorophenol	U		0.102	5.00	1	10/14/2021 22:19	WG1756476
2,4-Dimethylphenol	U		0.0636	10.0	1	10/14/2021 22:19	WG1756476
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/14/2021 22:19	WG1756476
2,4-Dinitrophenol	U		5.93	10.0	1	10/14/2021 22:19	WG1756476
2-Nitrophenol	U		0.117	10.0	1	10/14/2021 22:19	WG1756476
4-Nitrophenol	U	J4	0.143	10.0	1	10/14/2021 22:19	WG1756476
Pentachlorophenol	U		0.313	1.00	1	10/14/2021 22:19	WG1756476
Phenol	U		4.33	10.0	1	10/14/2021 22:19	WG1756476
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/14/2021 22:19	WG1756476
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/14/2021 22:19	WG1756476
(S) 2-Fluorophenol	*28.0*			*10.0-120*		*10/14/2021 22:19*	WG1756476
(S) Phenol-d5	*17.6*			*10.0-120*		*10/14/2021 22:19*	WG1756476
(S) Nitrobenzene-d5	*47.3*			*10.0-127*		*10/14/2021 22:19*	WG1756476
(S) 2-Fluorobiphenyl	*47.8*			*10.0-130*		*10/14/2021 22:19*	WG1756476
(S) 2,4,6-Tribromophenol	*42.4*			*10.0-155*		*10/14/2021 22:19*	WG1756476
(S) p-Terphenyl-d14	*52.6*			*10.0-128*		*10/14/2021 22:19*	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	10/13/2021 20:00	WG1755638
Acenaphthene	0.0243	J	0.0190	0.0500	1	10/13/2021 20:00	WG1755638
Acenaphthylene	U		0.0171	0.0500	1	10/13/2021 20:00	WG1755638
Benzo(a)anthracene	U		0.0203	0.0500	1	10/13/2021 20:00	WG1755638
Benzo(a)pyrene	U		0.0184	0.0500	1	10/13/2021 20:00	WG1755638
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/13/2021 20:00	WG1755638
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/13/2021 20:00	WG1755638
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/13/2021 20:00	WG1755638
Chrysene	U		0.0179	0.0500	1	10/13/2021 20:00	WG1755638
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/13/2021 20:00	WG1755638
Dibenzofuran	U		0.0191	0.0500	1	10/13/2021 20:00	WG1755638
Fluoranthene	U		0.0270	0.100	1	10/13/2021 20:00	WG1755638
Fluorene	0.0211	J	0.0169	0.0500	1	10/13/2021 20:00	WG1755638
Hexachlorobenzene	U		0.00670	0.0500	1	10/13/2021 20:00	WG1755638
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/13/2021 20:00	WG1755638
Naphthalene	U		0.0917	0.250	1	10/13/2021 20:00	WG1755638
Phenanthrene	0.0682		0.0180	0.0500	1	10/13/2021 20:00	WG1755638
Pyrene	0.0232	J	0.0169	0.0500	1	10/13/2021 20:00	WG1755638
1-Methylnaphthalene	U		0.0687	0.250	1	10/13/2021 20:00	WG1755638
2-Methylnaphthalene	U		0.0674	0.250	1	10/13/2021 20:00	WG1755638
2-Chloronaphthalene	U		0.0682	0.250	1	10/13/2021 20:00	WG1755638
(S) Nitrobenzene-d5	*100*			*31.0-160*		*10/13/2021 20:00*	WG1755638
(S) 2-Fluorobiphenyl	*127*			*48.0-148*		*10/13/2021 20:00*	WG1755638
(S) p-Terphenyl-d14	*154*	J1		*37.0-146*		*10/13/2021 20:00*	WG1755638

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:29	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/15/2021 01:27	WG1757539
Acrylonitrile	U		0.671	5.00	1	10/15/2021 01:27	WG1757539
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 14:53	WG1758798
Benzene	U	J4	0.0941	0.500	1	10/15/2021 01:27	WG1757539
Bromobenzene	U		0.118	0.500	1	10/15/2021 01:27	WG1757539
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 01:27	WG1757539
Bromochloromethane	U		0.128	0.500	1	10/15/2021 01:27	WG1757539
Bromoform	U		0.129	0.500	1	10/15/2021 01:27	WG1757539
Bromomethane	U		0.605	2.50	1	10/15/2021 01:27	WG1757539
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 01:27	WG1757539
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 01:27	WG1757539
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 01:27	WG1757539
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 01:27	WG1757539
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 01:27	WG1757539
Chlorobenzene	U		0.117	0.500	1	10/15/2021 01:27	WG1757539
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 01:27	WG1757539
Chloroethane	U		0.192	2.50	1	10/15/2021 01:27	WG1757539
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/15/2021 01:27	WG1757539
Chloroform	U	J4	0.111	0.500	1	10/15/2021 01:27	WG1757539
Chloromethane	U		0.960	1.25	1	10/15/2021 01:27	WG1757539
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 01:27	WG1757539
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 01:27	WG1757539
1,2-Dibromo-3-Chloropropane	U	C3	0.276	2.50	1	10/15/2021 01:27	WG1757539
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 01:27	WG1757539
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 01:27	WG1757539
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 01:27	WG1757539
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 01:27	WG1757539
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 01:27	WG1757539
Dichlorodifluoromethane	U		0.374	2.50	1	10/15/2021 01:27	WG1757539
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 01:27	WG1757539
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 01:27	WG1757539
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 01:27	WG1757539
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 01:27	WG1757539
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 01:27	WG1757539
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 01:27	WG1757539
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 01:27	WG1757539
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 01:27	WG1757539
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 01:27	WG1757539
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 01:27	WG1757539
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 01:27	WG1757539
2,2-Dichloropropane	U	J4	0.161	0.500	1	10/15/2021 01:27	WG1757539
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 01:27	WG1757539
Ethylbenzene	U		0.137	0.500	1	10/15/2021 01:27	WG1757539
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 01:27	WG1757539
2-Hexanone	U		0.787	5.00	1	10/15/2021 01:27	WG1757539
n-Hexane	U		0.749	5.00	1	10/15/2021 01:27	WG1757539
Iodomethane	U		0.554	5.00	1	10/15/2021 01:27	WG1757539
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 01:27	WG1757539
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 01:27	WG1757539
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 01:27	WG1757539

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/15/2021 01:27	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 01:27	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 01:27	WG1757539
Naphthalene	U	C3	0.174	2.50	1	10/15/2021 01:27	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 01:27	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 01:27	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 01:27	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 01:27	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 01:27	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 01:27	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 01:27	WG1757539
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	10/15/2021 01:27	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 01:27	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 01:27	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 01:27	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 01:27	WG1757539
Trichlorofluoromethane	U		0.160	2.50	1	10/15/2021 01:27	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 01:27	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 01:27	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 01:27	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 01:27	WG1757539
Vinyl acetate	U		0.692	5.00	1	10/15/2021 01:27	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 01:27	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 01:27	WG1757539
(S) Toluene-d8	*96.5*			*80.0-120*		*10/15/2021 01:27*	WG1757539
(S) 4-Bromofluorobenzene	*96.0*			*77.0-126*		*10/15/2021 01:27*	WG1757539
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*10/15/2021 01:27*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/14/2021 22:41	WG1756476
Atrazine	U		0.255	10.0	1	10/14/2021 22:41	WG1756476
Benzaldehyde	U		1.69	10.0	1	10/14/2021 22:41	WG1756476
Biphenyl	U		0.790	10.0	1	10/14/2021 22:41	WG1756476
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/14/2021 22:41	WG1756476
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/14/2021 22:41	WG1756476
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/14/2021 22:41	WG1756476
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/14/2021 22:41	WG1756476
Caprolactam	U		0.309	10.0	1	10/14/2021 22:41	WG1756476
Carbazole	U		0.111	10.0	1	10/14/2021 22:41	WG1756476
4-Chloroaniline	U		0.234	5.00	1	10/14/2021 22:41	WG1756476
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/14/2021 22:41	WG1756476
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/14/2021 22:41	WG1756476
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/14/2021 22:41	WG1756476
2,6-Dinitrotoluene	U		0.250	5.00	1	10/14/2021 22:41	WG1756476
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/14/2021 22:41	WG1756476
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/14/2021 22:41	WG1756476
Hexachloroethane	U		0.127	5.00	1	10/14/2021 22:41	WG1756476
Isophorone	U		0.143	10.0	1	10/14/2021 22:41	WG1756476
2-Nitroaniline	U		0.102	10.0	1	10/14/2021 22:41	WG1756476
3-Nitroaniline	U		0.0869	5.00	1	10/14/2021 22:41	WG1756476
4-Nitroaniline	U		0.0910	5.00	1	10/14/2021 22:41	WG1756476
Nitrobenzene	U		0.297	10.0	1	10/14/2021 22:41	WG1756476
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/14/2021 22:41	WG1756476
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/14/2021 22:41	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/14/2021 22:41	WG1756476
Bis(2-ethylhexyl)phthalate	1.16	J	0.895	3.00	1	10/14/2021 22:41	WG1756476
Di-n-butyl phthalate	U		0.453	3.00	1	10/14/2021 22:41	WG1756476
Diethyl phthalate	U		0.287	3.00	1	10/14/2021 22:41	WG1756476
Dimethyl phthalate	U		0.260	3.00	1	10/14/2021 22:41	WG1756476
Di-n-octyl phthalate	U		0.932	3.00	1	10/14/2021 22:41	WG1756476
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/14/2021 22:41	WG1756476
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/14/2021 22:41	WG1756476
2-Chlorophenol	U		0.133	1.00	1	10/14/2021 22:41	WG1756476
2-Methylphenol	U		0.0929	1.00	1	10/14/2021 22:41	WG1756476
3&4-Methyl Phenol	U		0.168	1.00	1	10/14/2021 22:41	WG1756476
2,4-Dichlorophenol	U		0.102	5.00	1	10/14/2021 22:41	WG1756476
2,4-Dimethylphenol	U		0.0636	10.0	1	10/14/2021 22:41	WG1756476
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/14/2021 22:41	WG1756476
2,4-Dinitrophenol	U		5.93	10.0	1	10/14/2021 22:41	WG1756476
2-Nitrophenol	U		0.117	10.0	1	10/14/2021 22:41	WG1756476
4-Nitrophenol	U	J4	0.143	10.0	1	10/14/2021 22:41	WG1756476
Pentachlorophenol	U		0.313	1.00	1	10/14/2021 22:41	WG1756476
Phenol	U		4.33	10.0	1	10/14/2021 22:41	WG1756476
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/14/2021 22:41	WG1756476
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/14/2021 22:41	WG1756476
(S) 2-Fluorophenol	*35.4*			*10.0-120*		*10/14/2021 22:41*	WG1756476
(S) Phenol-d5	*20.5*			*10.0-120*		*10/14/2021 22:41*	WG1756476
(S) Nitrobenzene-d5	*64.7*			*10.0-127*		*10/14/2021 22:41*	WG1756476
(S) 2-Fluorobiphenyl	*63.6*			*10.0-130*		*10/14/2021 22:41*	WG1756476
(S) 2,4,6-Tribromophenol	*55.0*			*10.0-155*		*10/14/2021 22:41*	WG1756476
(S) p-Terphenyl-d14	*59.4*			*10.0-128*		*10/14/2021 22:41*	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	10/13/2021 20:20	WG1755638
Acenaphthene	U		0.0190	0.0500	1	10/13/2021 20:20	WG1755638
Acenaphthylene	U		0.0171	0.0500	1	10/13/2021 20:20	WG1755638
Benzo(a)anthracene	U		0.0203	0.0500	1	10/13/2021 20:20	WG1755638
Benzo(a)pyrene	U		0.0184	0.0500	1	10/13/2021 20:20	WG1755638
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/13/2021 20:20	WG1755638
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/13/2021 20:20	WG1755638
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/13/2021 20:20	WG1755638
Chrysene	U		0.0179	0.0500	1	10/13/2021 20:20	WG1755638
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/13/2021 20:20	WG1755638
Dibenzofuran	U		0.0191	0.0500	1	10/13/2021 20:20	WG1755638
Fluoranthene	U		0.0270	0.100	1	10/13/2021 20:20	WG1755638
Fluorene	U		0.0169	0.0500	1	10/13/2021 20:20	WG1755638
Hexachlorobenzene	U		0.00670	0.0500	1	10/13/2021 20:20	WG1755638
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/13/2021 20:20	WG1755638
Naphthalene	U		0.0917	0.250	1	10/13/2021 20:20	WG1755638
Phenanthrene	U		0.0180	0.0500	1	10/13/2021 20:20	WG1755638
Pyrene	U		0.0169	0.0500	1	10/13/2021 20:20	WG1755638
1-Methylnaphthalene	U		0.0687	0.250	1	10/13/2021 20:20	WG1755638
2-Methylnaphthalene	U		0.0674	0.250	1	10/13/2021 20:20	WG1755638
2-Chloronaphthalene	U		0.0682	0.250	1	10/13/2021 20:20	WG1755638
(S) Nitrobenzene-d5	*97.4*			*31.0-160*		*10/13/2021 20:20*	WG1755638
(S) 2-Fluorobiphenyl	*120*			*48.0-148*		*10/13/2021 20:20*	WG1755638
(S) p-Terphenyl-d14	*136*			*37.0-146*		*10/13/2021 20:20*	WG1755638

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:33	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	25.0	1	10/15/2021 01:46	WG1757539
Acrylonitrile	U		0.671	5.00	1	10/15/2021 01:46	WG1757539
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 15:16	WG1758798
Benzene	U	J4	0.0941	0.500	1	10/15/2021 01:46	WG1757539
Bromobenzene	U		0.118	0.500	1	10/15/2021 01:46	WG1757539
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 01:46	WG1757539
Bromochloromethane	U		0.128	0.500	1	10/15/2021 01:46	WG1757539
Bromoform	U		0.129	0.500	1	10/15/2021 01:46	WG1757539
Bromomethane	U		0.605	2.50	1	10/15/2021 01:46	WG1757539
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 01:46	WG1757539
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 01:46	WG1757539
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 01:46	WG1757539
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 01:46	WG1757539
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 01:46	WG1757539
Chlorobenzene	U		0.117	0.500	1	10/15/2021 01:46	WG1757539
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 01:46	WG1757539
Chloroethane	U		0.192	2.50	1	10/15/2021 01:46	WG1757539
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/15/2021 01:46	WG1757539
Chloroform	U	J4	0.111	0.500	1	10/15/2021 01:46	WG1757539
Chloromethane	U		0.960	1.25	1	10/15/2021 01:46	WG1757539
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 01:46	WG1757539
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 01:46	WG1757539
1,2-Dibromo-3-Chloropropane	U	C3	0.276	2.50	1	10/15/2021 01:46	WG1757539
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 01:46	WG1757539
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 01:46	WG1757539
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 01:46	WG1757539
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 01:46	WG1757539
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 01:46	WG1757539
Dichlorodifluoromethane	U		0.374	2.50	1	10/15/2021 01:46	WG1757539
1,1-Dichloroethane	0.262	J	0.100	0.500	1	10/15/2021 01:46	WG1757539
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 01:46	WG1757539
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 01:46	WG1757539
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 01:46	WG1757539
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 01:46	WG1757539
1,2-Dichloropropane	0.213	J	0.149	0.500	1	10/15/2021 01:46	WG1757539
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 01:46	WG1757539
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 01:46	WG1757539
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 01:46	WG1757539
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 01:46	WG1757539
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 01:46	WG1757539
2,2-Dichloropropane	U	J4	0.161	0.500	1	10/15/2021 01:46	WG1757539
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 01:46	WG1757539
Ethylbenzene	U		0.137	0.500	1	10/15/2021 01:46	WG1757539
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 01:46	WG1757539
2-Hexanone	U		0.787	5.00	1	10/15/2021 01:46	WG1757539
n-Hexane	U		0.749	5.00	1	10/15/2021 01:46	WG1757539
Iodomethane	U		0.554	5.00	1	10/15/2021 01:46	WG1757539
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 01:46	WG1757539
p-Isopropyltoluene	0.330	J	0.120	0.500	1	10/15/2021 01:46	WG1757539
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 01:46	WG1757539

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/15/2021 01:46	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 01:46	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 01:46	WG1757539
Naphthalene	0.304	C3 J	0.174	2.50	1	10/15/2021 01:46	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 01:46	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 01:46	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 01:46	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 01:46	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 01:46	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 01:46	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 01:46	WG1757539
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	10/15/2021 01:46	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 01:46	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 01:46	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 01:46	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 01:46	WG1757539
Trichlorofluoromethane	U		0.160	2.50	1	10/15/2021 01:46	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 01:46	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 01:46	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 01:46	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 01:46	WG1757539
Vinyl acetate	U		0.692	5.00	1	10/15/2021 01:46	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 01:46	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 01:46	WG1757539
(S) Toluene-d8	*96.9*			*80.0-120*		*10/15/2021 01:46*	WG1757539
(S) 4-Bromofluorobenzene	*98.0*			*77.0-126*		*10/15/2021 01:46*	WG1757539
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*10/15/2021 01:46*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/16/2021 07:04	WG1756476
Atrazine	U		0.255	10.0	1	10/16/2021 07:04	WG1756476
Benzaldehyde	U		1.69	10.0	1	10/16/2021 07:04	WG1756476
Biphenyl	U		0.790	10.0	1	10/16/2021 07:04	WG1756476
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/16/2021 07:04	WG1756476
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/16/2021 07:04	WG1756476
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/16/2021 07:04	WG1756476
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/16/2021 07:04	WG1756476
Caprolactam	1.37	J	0.309	10.0	1	10/16/2021 07:04	WG1756476
Carbazole	U		0.111	10.0	1	10/16/2021 07:04	WG1756476
4-Chloroaniline	U		0.234	5.00	1	10/16/2021 07:04	WG1756476
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/16/2021 07:04	WG1756476
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/16/2021 07:04	WG1756476
2,4-Dinitrotoluene	U		0.0983	10.0	1	10/16/2021 07:04	WG1756476
2,6-Dinitrotoluene	U		0.250	5.00	1	10/16/2021 07:04	WG1756476
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/16/2021 07:04	WG1756476
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/16/2021 07:04	WG1756476
Hexachloroethane	U		0.127	5.00	1	10/16/2021 07:04	WG1756476
Isophorone	U		0.143	10.0	1	10/16/2021 07:04	WG1756476
2-Nitroaniline	U		0.102	10.0	1	10/16/2021 07:04	WG1756476
3-Nitroaniline	U		0.0869	5.00	1	10/16/2021 07:04	WG1756476
4-Nitroaniline	U		0.0910	10.0	1	10/16/2021 07:04	WG1756476
Nitrobenzene	U		0.297	10.0	1	10/16/2021 07:04	WG1756476
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/16/2021 07:04	WG1756476
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/16/2021 07:04	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/16/2021 07:04	WG1756476
Bis(2-ethylhexyl)phthalate	1.36	J	0.895	3.00	1	10/16/2021 07:04	WG1756476
Di-n-butyl phthalate	U		0.453	3.00	1	10/16/2021 07:04	WG1756476
Diethyl phthalate	U		0.287	3.00	1	10/16/2021 07:04	WG1756476
Dimethyl phthalate	U		0.260	3.00	1	10/16/2021 07:04	WG1756476
Di-n-octyl phthalate	U		0.932	3.00	1	10/16/2021 07:04	WG1756476
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/16/2021 07:04	WG1756476
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/16/2021 07:04	WG1756476
2-Chlorophenol	U		0.133	1.00	1	10/16/2021 07:04	WG1756476
2-Methylphenol	U		0.0929	1.00	1	10/16/2021 07:04	WG1756476
3&4-Methyl Phenol	U		0.168	1.00	1	10/16/2021 07:04	WG1756476
2,4-Dichlorophenol	U		0.102	5.00	1	10/16/2021 07:04	WG1756476
2,4-Dimethylphenol	U		0.0636	10.0	1	10/16/2021 07:04	WG1756476
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/16/2021 07:04	WG1756476
2,4-Dinitrophenol	U		5.93	10.0	1	10/16/2021 07:04	WG1756476
2-Nitrophenol	U		0.117	10.0	1	10/16/2021 07:04	WG1756476
4-Nitrophenol	U	J4	0.143	10.0	1	10/16/2021 07:04	WG1756476
Pentachlorophenol	U		0.313	1.00	1	10/16/2021 07:04	WG1756476
Phenol	U		4.33	10.0	1	10/16/2021 07:04	WG1756476
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/16/2021 07:04	WG1756476
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/16/2021 07:04	WG1756476
(S) 2-Fluorophenol	*24.0*			*10.0-120*		*10/16/2021 07:04*	WG1756476
(S) Phenol-d5	*14.9*			*10.0-120*		*10/16/2021 07:04*	WG1756476
(S) Nitrobenzene-d5	*36.9*			*10.0-127*		*10/16/2021 07:04*	WG1756476
(S) 2-Fluorobiphenyl	*44.6*			*10.0-130*		*10/16/2021 07:04*	WG1756476
(S) 2,4,6-Tribromophenol	*48.5*			*10.0-155*		*10/16/2021 07:04*	WG1756476
(S) p-Terphenyl-d14	*53.7*			*10.0-128*		*10/16/2021 07:04*	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	0.0703		0.0190	0.0500	1	10/13/2021 20:40	WG1755638
Acenaphthene	0.294		0.0190	0.0500	1	10/13/2021 20:40	WG1755638
Acenaphthylene	0.112		0.0171	0.0500	1	10/13/2021 20:40	WG1755638
Benzo(a)anthracene	0.0413	J	0.0203	0.0500	1	10/13/2021 20:40	WG1755638
Benzo(a)pyrene	0.0353	J	0.0184	0.0500	1	10/13/2021 20:40	WG1755638
Benzo(b)fluoranthene	0.0586		0.0168	0.0500	1	10/13/2021 20:40	WG1755638
Benzo(g,h,i)perylene	0.0477	J	0.0184	0.0500	1	10/13/2021 20:40	WG1755638
Benzo(k)fluoranthene	0.0202	J	0.0202	0.0500	1	10/13/2021 20:40	WG1755638
Chrysene	0.0511		0.0179	0.0500	1	10/13/2021 20:40	WG1755638
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/13/2021 20:40	WG1755638
Dibenzofuran	U		0.0191	0.0500	1	10/13/2021 20:40	WG1755638
Fluoranthene	0.109		0.0270	0.100	1	10/13/2021 20:40	WG1755638
Fluorene	0.171		0.0169	0.0500	1	10/13/2021 20:40	WG1755638
Hexachlorobenzene	U		0.00670	0.0500	1	10/13/2021 20:40	WG1755638
Indeno(1,2,3-cd)pyrene	0.0388	J	0.0158	0.0500	1	10/13/2021 20:40	WG1755638
Naphthalene	0.445		0.0917	0.250	1	10/13/2021 20:40	WG1755638
Phenanthrene	0.372		0.0180	0.0500	1	10/13/2021 20:40	WG1755638
Pyrene	0.150		0.0169	0.0500	1	10/13/2021 20:40	WG1755638
1-Methylnaphthalene	0.254		0.0687	0.250	1	10/13/2021 20:40	WG1755638
2-Methylnaphthalene	0.174	J	0.0674	0.250	1	10/13/2021 20:40	WG1755638
2-Chloronaphthalene	U		0.0682	0.250	1	10/13/2021 20:40	WG1755638
(S) Nitrobenzene-d5	*96.3*			*31.0-160*		*10/13/2021 20:40*	WG1755638
(S) 2-Fluorobiphenyl	*125*			*48.0-148*		*10/13/2021 20:40*	WG1755638
(S) p-Terphenyl-d14	*145*			*37.0-146*		*10/13/2021 20:40*	WG1755638

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 09:10	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/21/2021 21:57	WG1761516
Acrylonitrile	U		0.671	5.00	1	10/21/2021 21:57	WG1761516
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 15:40	WG1758798
Benzene	U		0.0941	0.500	1	10/21/2021 21:57	WG1761516
Bromobenzene	U		0.118	0.500	1	10/21/2021 21:57	WG1761516
Bromodichloromethane	U		0.136	0.500	1	10/21/2021 21:57	WG1761516
Bromochloromethane	U		0.128	0.500	1	10/21/2021 21:57	WG1761516
Bromoform	U		0.129	0.500	1	10/21/2021 21:57	WG1761516
Bromomethane	U		0.605	2.50	1	10/21/2021 21:57	WG1761516
n-Butylbenzene	U		0.157	0.500	1	10/21/2021 21:57	WG1761516
sec-Butylbenzene	U		0.125	0.500	1	10/21/2021 21:57	WG1761516
tert-Butylbenzene	U		0.127	0.500	1	10/21/2021 21:57	WG1761516
Carbon disulfide	0.110	J	0.0962	0.500	1	10/21/2021 21:57	WG1761516
Carbon tetrachloride	U		0.128	0.500	1	10/21/2021 21:57	WG1761516
Chlorobenzene	U		0.117	0.500	1	10/21/2021 21:57	WG1761516
Chlorodibromomethane	U		0.140	0.500	1	10/21/2021 21:57	WG1761516
Chloroethane	U		0.192	2.50	1	10/21/2021 21:57	WG1761516
2-Chloroethyl vinyl ether	U	J6	0.575	50.0	1	10/21/2021 21:57	WG1761516
Chloroform	U		0.111	0.500	1	10/21/2021 21:57	WG1761516
Chloromethane	U		0.960	1.25	1	10/21/2021 21:57	WG1761516
2-Chlorotoluene	U		0.106	0.500	1	10/21/2021 21:57	WG1761516
4-Chlorotoluene	U		0.114	0.500	1	10/21/2021 21:57	WG1761516
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2021 21:57	WG1761516
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2021 21:57	WG1761516
Dibromomethane	U		0.122	0.500	1	10/21/2021 21:57	WG1761516
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2021 21:57	WG1761516
1,3-Dichlorobenzene	U	J3 J4	0.299	0.500	1	10/21/2021 21:57	WG1761516
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2021 21:57	WG1761516
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2021 21:57	WG1761516
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2021 21:57	WG1761516
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2021 21:57	WG1761516
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2021 21:57	WG1761516
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2021 21:57	WG1761516
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2021 21:57	WG1761516
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2021 21:57	WG1761516
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2021 21:57	WG1761516
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2021 21:57	WG1761516
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2021 21:57	WG1761516
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2021 21:57	WG1761516
trans-1,4-Dichloro-2-butene	U	C3 J4	0.467	5.00	1	10/21/2021 21:57	WG1761516
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2021 21:57	WG1761516
Di-isopropyl ether	U		0.105	0.500	1	10/21/2021 21:57	WG1761516
Ethylbenzene	U		0.137	0.500	1	10/21/2021 21:57	WG1761516
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2021 21:57	WG1761516
2-Hexanone	U		0.787	5.00	1	10/21/2021 21:57	WG1761516
n-Hexane	U		0.749	5.00	1	10/21/2021 21:57	WG1761516
Iodomethane	U		0.554	5.00	1	10/21/2021 21:57	WG1761516
Isopropylbenzene	U		0.105	0.500	1	10/21/2021 21:57	WG1761516
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2021 21:57	WG1761516
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2021 21:57	WG1761516

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/21/2021 21:57	WG1761516
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2021 21:57	WG1761516
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2021 21:57	WG1761516
Naphthalene	U		0.174	2.50	1	10/21/2021 21:57	WG1761516
n-Propylbenzene	U		0.0993	0.500	1	10/21/2021 21:57	WG1761516
Styrene	U		0.118	0.500	1	10/21/2021 21:57	WG1761516
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2021 21:57	WG1761516
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2021 21:57	WG1761516
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2021 21:57	WG1761516
Tetrachloroethene	U	J3	0.300	0.500	1	10/21/2021 21:57	WG1761516
Toluene	U		0.278	0.500	1	10/21/2021 21:57	WG1761516
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2021 21:57	WG1761516
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2021 21:57	WG1761516
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2021 21:57	WG1761516
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2021 21:57	WG1761516
Trichloroethene	U		0.190	0.500	1	10/21/2021 21:57	WG1761516
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2021 21:57	WG1761516
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2021 21:57	WG1761516
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2021 21:57	WG1761516
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2021 21:57	WG1761516
1,3,5-Trimethylbenzene	U	J3	0.104	0.500	1	10/21/2021 21:57	WG1761516
Vinyl acetate	U	C3	0.692	5.00	1	10/21/2021 21:57	WG1761516
Vinyl chloride	U		0.234	0.500	1	10/21/2021 21:57	WG1761516
Xylenes, Total	U		0.174	1.50	1	10/21/2021 21:57	WG1761516
(S) Toluene-d8	*104*			*80.0-120*		*10/21/2021 21:57*	WG1761516
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*10/21/2021 21:57*	WG1761516
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*10/21/2021 21:57*	WG1761516

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/15/2021 00:49	WG1756476
Atrazine	U		0.255	10.0	1	10/15/2021 00:49	WG1756476
Benzaldehyde	U		1.69	10.0	1	10/15/2021 00:49	WG1756476
Biphenyl	U		0.790	10.0	1	10/15/2021 00:49	WG1756476
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/15/2021 00:49	WG1756476
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/15/2021 00:49	WG1756476
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/15/2021 00:49	WG1756476
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/15/2021 00:49	WG1756476
Caprolactam	0.649	J	0.309	10.0	1	10/15/2021 00:49	WG1756476
Carbazole	U		0.111	10.0	1	10/15/2021 00:49	WG1756476
4-Chloroaniline	U		0.234	5.00	1	10/15/2021 00:49	WG1756476
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/15/2021 00:49	WG1756476
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/15/2021 00:49	WG1756476
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/15/2021 00:49	WG1756476
2,6-Dinitrotoluene	U		0.250	5.00	1	10/15/2021 00:49	WG1756476
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/15/2021 00:49	WG1756476
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/15/2021 00:49	WG1756476
Hexachloroethane	U		0.127	5.00	1	10/15/2021 00:49	WG1756476
Isophorone	U		0.143	10.0	1	10/15/2021 00:49	WG1756476
2-Nitroaniline	U		0.102	10.0	1	10/15/2021 00:49	WG1756476
3-Nitroaniline	U		0.0869	5.00	1	10/15/2021 00:49	WG1756476
4-Nitroaniline	U		0.0910	5.00	1	10/15/2021 00:49	WG1756476
Nitrobenzene	U		0.297	10.0	1	10/15/2021 00:49	WG1756476
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/15/2021 00:49	WG1756476
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/15/2021 00:49	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/15/2021 00:49	WG1756476
Bis(2-ethylhexyl)phthalate	1.02	J	0.895	3.00	1	10/15/2021 00:49	WG1756476
Di-n-butyl phthalate	U		0.453	3.00	1	10/15/2021 00:49	WG1756476
Diethyl phthalate	U		0.287	3.00	1	10/15/2021 00:49	WG1756476
Dimethyl phthalate	U		0.260	3.00	1	10/15/2021 00:49	WG1756476
Di-n-octyl phthalate	U		0.932	3.00	1	10/15/2021 00:49	WG1756476
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/15/2021 00:49	WG1756476
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/15/2021 00:49	WG1756476
2-Chlorophenol	U		0.133	1.00	1	10/15/2021 00:49	WG1756476
2-Methylphenol	U		0.0929	1.00	1	10/15/2021 00:49	WG1756476
3&4-Methyl Phenol	U		0.168	1.00	1	10/15/2021 00:49	WG1756476
2,4-Dichlorophenol	U		0.102	5.00	1	10/15/2021 00:49	WG1756476
2,4-Dimethylphenol	U		0.0636	10.0	1	10/15/2021 00:49	WG1756476
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/15/2021 00:49	WG1756476
2,4-Dinitrophenol	U		5.93	10.0	1	10/15/2021 00:49	WG1756476
2-Nitrophenol	U		0.117	10.0	1	10/15/2021 00:49	WG1756476
4-Nitrophenol	U	J4	0.143	10.0	1	10/15/2021 00:49	WG1756476
Pentachlorophenol	U		0.313	1.00	1	10/15/2021 00:49	WG1756476
Phenol	U		4.33	10.0	1	10/15/2021 00:49	WG1756476
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/15/2021 00:49	WG1756476
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/15/2021 00:49	WG1756476
(S) 2-Fluorophenol	*19.4*			*10.0-120*		*10/15/2021 00:49*	WG1756476
(S) Phenol-d5	*12.1*			*10.0-120*		*10/15/2021 00:49*	WG1756476
(S) Nitrobenzene-d5	*43.0*			*10.0-127*		*10/15/2021 00:49*	WG1756476
(S) 2-Fluorobiphenyl	*41.6*			*10.0-130*		*10/15/2021 00:49*	WG1756476
(S) 2,4,6-Tribromophenol	*48.5*			*10.0-155*		*10/15/2021 00:49*	WG1756476
(S) p-Terphenyl-d14	*51.8*			*10.0-128*		*10/15/2021 00:49*	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U	J3	0.0190	0.0500	1	10/14/2021 08:13	WG1756461
Acenaphthene	U	J3	0.0190	0.0500	1	10/14/2021 08:13	WG1756461
Acenaphthylene	U	J3	0.0171	0.0500	1	10/14/2021 08:13	WG1756461
Benzo(a)anthracene	U	J3	0.0203	0.0500	1	10/14/2021 08:13	WG1756461
Benzo(a)pyrene	U	J3	0.0184	0.0500	1	10/14/2021 08:13	WG1756461
Benzo(b)fluoranthene	0.0203	J J3	0.0168	0.0500	1	10/14/2021 08:13	WG1756461
Benzo(g,h,i)perylene	U	J3	0.0184	0.0500	1	10/14/2021 08:13	WG1756461
Benzo(k)fluoranthene	U	J3	0.0202	0.0500	1	10/14/2021 08:13	WG1756461
Chrysene	U	J3	0.0179	0.0500	1	10/14/2021 08:13	WG1756461
Dibenz(a,h)anthracene	U	J3	0.0160	0.0500	1	10/14/2021 08:13	WG1756461
Dibenzofuran	U	J3	0.0191	0.0500	1	10/14/2021 08:13	WG1756461
Fluoranthene	U	J3	0.0270	0.100	1	10/14/2021 08:13	WG1756461
Fluorene	U	J3	0.0169	0.0500	1	10/14/2021 08:13	WG1756461
Hexachlorobenzene	U	J3	0.00670	0.0500	1	10/14/2021 08:13	WG1756461
Indeno(1,2,3-cd)pyrene	U	J3	0.0158	0.0500	1	10/14/2021 08:13	WG1756461
Naphthalene	U	J3	0.0917	0.250	1	10/14/2021 08:13	WG1756461
Phenanthrene	U	J3	0.0180	0.0500	1	10/14/2021 08:13	WG1756461
Pyrene	0.0202	J J3	0.0169	0.0500	1	10/14/2021 08:13	WG1756461
1-Methylnaphthalene	U	J3	0.0687	0.250	1	10/14/2021 08:13	WG1756461
2-Methylnaphthalene	U	J3	0.0674	0.250	1	10/14/2021 08:13	WG1756461
2-Chloronaphthalene	U	J3	0.0682	0.250	1	10/14/2021 08:13	WG1756461
(S) Nitrobenzene-d5	*102*			*31.0-160*		*10/14/2021 08:13*	WG1756461
(S) 2-Fluorobiphenyl	*119*			*48.0-148*		*10/14/2021 08:13*	WG1756461
(S) p-Terphenyl-d14	*139*			*37.0-146*		*10/14/2021 08:13*	WG1756461

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:36	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/15/2021 02:25	WG1757539
Acrylonitrile	U		0.671	5.00	1	10/15/2021 02:25	WG1757539
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 16:03	WG1758798
Benzene	U	J4	0.0941	0.500	1	10/15/2021 02:25	WG1757539
Bromobenzene	U		0.118	0.500	1	10/15/2021 02:25	WG1757539
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 02:25	WG1757539
Bromochloromethane	U		0.128	0.500	1	10/15/2021 02:25	WG1757539
Bromoform	U		0.129	0.500	1	10/15/2021 02:25	WG1757539
Bromomethane	U		0.605	2.50	1	10/15/2021 02:25	WG1757539
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 02:25	WG1757539
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 02:25	WG1757539
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 02:25	WG1757539
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 02:25	WG1757539
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 02:25	WG1757539
Chlorobenzene	U		0.117	0.500	1	10/15/2021 02:25	WG1757539
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 02:25	WG1757539
Chloroethane	U		0.192	2.50	1	10/15/2021 02:25	WG1757539
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/15/2021 02:25	WG1757539
Chloroform	U	J4	0.111	0.500	1	10/15/2021 02:25	WG1757539
Chloromethane	U		0.960	1.25	1	10/15/2021 02:25	WG1757539
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 02:25	WG1757539
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 02:25	WG1757539
1,2-Dibromo-3-Chloropropane	U	C3	0.276	2.50	1	10/15/2021 02:25	WG1757539
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 02:25	WG1757539
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 02:25	WG1757539
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 02:25	WG1757539
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 02:25	WG1757539
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 02:25	WG1757539
Dichlorodifluoromethane	U		0.374	2.50	1	10/15/2021 02:25	WG1757539
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 02:25	WG1757539
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 02:25	WG1757539
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 02:25	WG1757539
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 02:25	WG1757539
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 02:25	WG1757539
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 02:25	WG1757539
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 02:25	WG1757539
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 02:25	WG1757539
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 02:25	WG1757539
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 02:25	WG1757539
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 02:25	WG1757539
2,2-Dichloropropane	U	J4	0.161	0.500	1	10/15/2021 02:25	WG1757539
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 02:25	WG1757539
Ethylbenzene	U		0.137	0.500	1	10/15/2021 02:25	WG1757539
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 02:25	WG1757539
2-Hexanone	U		0.787	5.00	1	10/15/2021 02:25	WG1757539
n-Hexane	U		0.749	5.00	1	10/15/2021 02:25	WG1757539
Iodomethane	U		0.554	5.00	1	10/15/2021 02:25	WG1757539
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 02:25	WG1757539
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 02:25	WG1757539
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 02:25	WG1757539

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/15/2021 02:25	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 02:25	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 02:25	WG1757539
Naphthalene	U	C3	0.174	2.50	1	10/15/2021 02:25	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 02:25	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 02:25	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 02:25	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 02:25	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 02:25	WG1757539
Tetrachloroethene	0.508		0.300	0.500	1	10/15/2021 02:25	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 02:25	WG1757539
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	10/15/2021 02:25	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 02:25	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 02:25	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 02:25	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 02:25	WG1757539
Trichlorofluoromethane	U		0.160	2.50	1	10/15/2021 02:25	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 02:25	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 02:25	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 02:25	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 02:25	WG1757539
Vinyl acetate	U		0.692	5.00	1	10/15/2021 02:25	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 02:25	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 02:25	WG1757539
(S) Toluene-d8	*96.0*			*80.0-120*		*10/15/2021 02:25*	WG1757539
(S) 4-Bromofluorobenzene	*98.4*			*77.0-126*		*10/15/2021 02:25*	WG1757539
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*10/15/2021 02:25*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,4-Dioxane	U		0.0447	0.400	1	10/12/2021 21:18	WG1754916
(S) Nitrobenzene-d5	*56.5*			*10.0-120*		*10/12/2021 21:18*	WG1754916

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/13/2021 16:04	WG1755648
Atrazine	U		0.255	10.0	1	10/13/2021 16:04	WG1755648
Benzaldehyde	U		1.69	10.0	1	10/13/2021 16:04	WG1755648
Biphenyl	U		0.790	10.0	1	10/13/2021 16:04	WG1755648
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/13/2021 16:04	WG1755648
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/13/2021 16:04	WG1755648
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/13/2021 16:04	WG1755648
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/13/2021 16:04	WG1755648
Caprolactam	5.70	J	0.309	10.0	1	10/13/2021 16:04	WG1755648
Carbazole	U		0.111	10.0	1	10/13/2021 16:04	WG1755648
4-Chloroaniline	U		0.234	5.00	1	10/13/2021 16:04	WG1755648
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/13/2021 16:04	WG1755648
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/13/2021 16:04	WG1755648
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/13/2021 16:04	WG1755648
2,6-Dinitrotoluene	U		0.250	5.00	1	10/13/2021 16:04	WG1755648
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/13/2021 16:04	WG1755648
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/13/2021 16:04	WG1755648
Hexachloroethane	U		0.127	5.00	1	10/13/2021 16:04	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isophorone	U		0.143	10.0	1	10/13/2021 16:04	WG1755648
2-Nitroaniline	U		0.102	10.0	1	10/13/2021 16:04	WG1755648
3-Nitroaniline	U		0.0869	5.00	1	10/13/2021 16:04	WG1755648
4-Nitroaniline	U		0.0910	5.00	1	10/13/2021 16:04	WG1755648
Nitrobenzene	U		0.297	10.0	1	10/13/2021 16:04	WG1755648
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/13/2021 16:04	WG1755648
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/13/2021 16:04	WG1755648
Benzylbutyl phthalate	U		0.765	3.00	1	10/13/2021 16:04	WG1755648
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/13/2021 16:04	WG1755648
Di-n-butyl phthalate	U		0.453	3.00	1	10/13/2021 16:04	WG1755648
Diethyl phthalate	U		0.287	3.00	1	10/13/2021 16:04	WG1755648
Dimethyl phthalate	U		0.260	3.00	1	10/13/2021 16:04	WG1755648
Di-n-octyl phthalate	U		0.932	3.00	1	10/13/2021 16:04	WG1755648
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/13/2021 16:04	WG1755648
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/13/2021 16:04	WG1755648
2-Chlorophenol	U		0.133	1.00	1	10/13/2021 16:04	WG1755648
2-Methylphenol	U		0.0929	1.00	1	10/13/2021 16:04	WG1755648
3&4-Methyl Phenol	U		0.168	1.00	1	10/13/2021 16:04	WG1755648
2,4-Dichlorophenol	U		0.102	5.00	1	10/13/2021 16:04	WG1755648
2,4-Dimethylphenol	U		0.0636	10.0	1	10/13/2021 16:04	WG1755648
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/13/2021 16:04	WG1755648
2,4-Dinitrophenol	U		5.93	10.0	1	10/13/2021 16:04	WG1755648
2-Nitrophenol	U		0.117	10.0	1	10/13/2021 16:04	WG1755648
4-Nitrophenol	U		0.143	10.0	1	10/13/2021 16:04	WG1755648
Pentachlorophenol	U		0.313	1.00	1	10/13/2021 16:04	WG1755648
Phenol	U		4.33	10.0	1	10/13/2021 16:04	WG1755648
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/13/2021 16:04	WG1755648
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/13/2021 16:04	WG1755648
(S) 2-Fluorophenol	*20.1*			*10.0-120*		*10/13/2021 16:04*	WG1755648
(S) Phenol-d5	*13.9*			*10.0-120*		*10/13/2021 16:04*	WG1755648
(S) Nitrobenzene-d5	*33.8*			*10.0-127*		*10/13/2021 16:04*	WG1755648
(S) 2-Fluorobiphenyl	*43.8*			*10.0-130*		*10/13/2021 16:04*	WG1755648
(S) 2,4,6-Tribromophenol	*37.1*			*10.0-155*		*10/13/2021 16:04*	WG1755648
(S) p-Terphenyl-d14	*51.1*			*10.0-128*		*10/13/2021 16:04*	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/13/2021 19:53	WG1755637
Acenaphthene	U		0.0190	0.0500	1	10/13/2021 19:53	WG1755637
Acenaphthylene	U		0.0171	0.0500	1	10/13/2021 19:53	WG1755637
Benzo(a)anthracene	U		0.0203	0.0500	1	10/13/2021 19:53	WG1755637
Benzo(a)pyrene	U		0.0184	0.0500	1	10/13/2021 19:53	WG1755637
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/13/2021 19:53	WG1755637
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/13/2021 19:53	WG1755637
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/13/2021 19:53	WG1755637
Chrysene	U		0.0179	0.0500	1	10/13/2021 19:53	WG1755637
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/13/2021 19:53	WG1755637
Dibenzofuran	U		0.0191	0.0500	1	10/13/2021 19:53	WG1755637
Fluoranthene	U		0.0270	0.100	1	10/13/2021 19:53	WG1755637
Fluorene	U		0.0169	0.0500	1	10/13/2021 19:53	WG1755637
Hexachlorobenzene	U		0.00670	0.0500	1	10/13/2021 19:53	WG1755637
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/13/2021 19:53	WG1755637
Naphthalene	U		0.0917	0.250	1	10/13/2021 19:53	WG1755637
Phenanthrene	U		0.0180	0.0500	1	10/13/2021 19:53	WG1755637
Pyrene	U		0.0169	0.0500	1	10/13/2021 19:53	WG1755637

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1-Methylnaphthalene	U		0.0687	0.250	1	10/13/2021 19:53	WG1755637
2-Methylnaphthalene	U		0.0674	0.250	1	10/13/2021 19:53	WG1755637
2-Chloronaphthalene	U		0.0682	0.250	1	10/13/2021 19:53	WG1755637
(S) Nitrobenzene-d5	*130*			*31.0-160*		*10/13/2021 19:53*	WG1755637
(S) 2-Fluorobiphenyl	*124*			*48.0-148*		*10/13/2021 19:53*	WG1755637
(S) p-Terphenyl-d14	*154*	J1		*37.0-146*		*10/13/2021 19:53*	WG1755637

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:39	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/15/2021 02:44	WG1757539
Acrylonitrile	U		0.671	5.00	1	10/15/2021 02:44	WG1757539
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 16:27	WG1758798
Benzene	U	J4	0.0941	0.500	1	10/15/2021 02:44	WG1757539
Bromobenzene	U		0.118	0.500	1	10/15/2021 02:44	WG1757539
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 02:44	WG1757539
Bromochloromethane	U		0.128	0.500	1	10/15/2021 02:44	WG1757539
Bromoform	U		0.129	0.500	1	10/15/2021 02:44	WG1757539
Bromomethane	U		0.605	2.50	1	10/15/2021 02:44	WG1757539
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 02:44	WG1757539
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 02:44	WG1757539
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 02:44	WG1757539
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 02:44	WG1757539
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 02:44	WG1757539
Chlorobenzene	U		0.117	0.500	1	10/15/2021 02:44	WG1757539
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 02:44	WG1757539
Chloroethane	U		0.192	2.50	1	10/15/2021 02:44	WG1757539
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/15/2021 02:44	WG1757539
Chloroform	0.352	J J4	0.111	0.500	1	10/15/2021 02:44	WG1757539
Chloromethane	U		0.960	1.25	1	10/15/2021 02:44	WG1757539
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 02:44	WG1757539
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 02:44	WG1757539
1,2-Dibromo-3-Chloropropane	U	C3	0.276	2.50	1	10/15/2021 02:44	WG1757539
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 02:44	WG1757539
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 02:44	WG1757539
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 02:44	WG1757539
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 02:44	WG1757539
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 02:44	WG1757539
Dichlorodifluoromethane	U		0.374	2.50	1	10/15/2021 02:44	WG1757539
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 02:44	WG1757539
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 02:44	WG1757539
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 02:44	WG1757539
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 02:44	WG1757539
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 02:44	WG1757539
1,2-Dichloropropane	0.243	J	0.149	0.500	1	10/15/2021 02:44	WG1757539
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 02:44	WG1757539
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 02:44	WG1757539
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 02:44	WG1757539
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 02:44	WG1757539
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 02:44	WG1757539
2,2-Dichloropropane	U	J4	0.161	0.500	1	10/15/2021 02:44	WG1757539
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 02:44	WG1757539
Ethylbenzene	U		0.137	0.500	1	10/15/2021 02:44	WG1757539
Hexachloro-1,3-butadiene	4.14		0.337	1.00	1	10/15/2021 02:44	WG1757539
2-Hexanone	U		0.787	5.00	1	10/15/2021 02:44	WG1757539
n-Hexane	U		0.749	5.00	1	10/15/2021 02:44	WG1757539
Iodomethane	U		0.554	5.00	1	10/15/2021 02:44	WG1757539
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 02:44	WG1757539
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 02:44	WG1757539
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 02:44	WG1757539

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/15/2021 02:44	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 02:44	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 02:44	WG1757539
Naphthalene	U	C3	0.174	2.50	1	10/15/2021 02:44	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 02:44	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 02:44	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 02:44	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 02:44	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 02:44	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 02:44	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 02:44	WG1757539
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	10/15/2021 02:44	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 02:44	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 02:44	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 02:44	WG1757539
Trichloroethene	2.71		0.190	0.500	1	10/15/2021 02:44	WG1757539
Trichlorofluoromethane	U		0.160	2.50	1	10/15/2021 02:44	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 02:44	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 02:44	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 02:44	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 02:44	WG1757539
Vinyl acetate	U		0.692	5.00	1	10/15/2021 02:44	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 02:44	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 02:44	WG1757539
(S) Toluene-d8	*98.2*			*80.0-120*		*10/15/2021 02:44*	WG1757539
(S) 4-Bromofluorobenzene	*92.6*			*77.0-126*		*10/15/2021 02:44*	WG1757539
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*10/15/2021 02:44*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,4-Dioxane	1.43		0.0447	0.400	1	10/12/2021 21:38	WG1754916
(S) Nitrobenzene-d5	*57.6*			*10.0-120*		*10/12/2021 21:38*	WG1754916

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/13/2021 16:25	WG1755648
Atrazine	U		0.255	10.0	1	10/13/2021 16:25	WG1755648
Benzaldehyde	U		1.69	10.0	1	10/13/2021 16:25	WG1755648
Biphenyl	U		0.790	10.0	1	10/13/2021 16:25	WG1755648
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/13/2021 16:25	WG1755648
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/13/2021 16:25	WG1755648
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/13/2021 16:25	WG1755648
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/13/2021 16:25	WG1755648
Caprolactam	0.833	J	0.309	10.0	1	10/13/2021 16:25	WG1755648
Carbazole	U		0.111	10.0	1	10/13/2021 16:25	WG1755648
4-Chloroaniline	U		0.234	5.00	1	10/13/2021 16:25	WG1755648
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/13/2021 16:25	WG1755648
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/13/2021 16:25	WG1755648
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/13/2021 16:25	WG1755648
2,6-Dinitrotoluene	U		0.250	5.00	1	10/13/2021 16:25	WG1755648
Hexachloro-1,3-butadiene	1.59	J	0.0968	10.0	1	10/13/2021 16:25	WG1755648
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/13/2021 16:25	WG1755648
Hexachloroethane	U		0.127	5.00	1	10/13/2021 16:25	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Isophorone	U		0.143	10.0	1	10/13/2021 16:25	WG1755648
2-Nitroaniline	U		0.102	10.0	1	10/13/2021 16:25	WG1755648
3-Nitroaniline	U		0.0869	5.00	1	10/13/2021 16:25	WG1755648
4-Nitroaniline	U		0.0910	5.00	1	10/13/2021 16:25	WG1755648
Nitrobenzene	U		0.297	10.0	1	10/13/2021 16:25	WG1755648
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/13/2021 16:25	WG1755648
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/13/2021 16:25	WG1755648
Benzylbutyl phthalate	U		0.765	3.00	1	10/13/2021 16:25	WG1755648
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/13/2021 16:25	WG1755648
Di-n-butyl phthalate	U		0.453	3.00	1	10/13/2021 16:25	WG1755648
Diethyl phthalate	U		0.287	3.00	1	10/13/2021 16:25	WG1755648
Dimethyl phthalate	U		0.260	3.00	1	10/13/2021 16:25	WG1755648
Di-n-octyl phthalate	U		0.932	3.00	1	10/13/2021 16:25	WG1755648
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/13/2021 16:25	WG1755648
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/13/2021 16:25	WG1755648
2-Chlorophenol	U		0.133	1.00	1	10/13/2021 16:25	WG1755648
2-Methylphenol	U		0.0929	1.00	1	10/13/2021 16:25	WG1755648
3&4-Methyl Phenol	U		0.168	1.00	1	10/13/2021 16:25	WG1755648
2,4-Dichlorophenol	U		0.102	5.00	1	10/13/2021 16:25	WG1755648
2,4-Dimethylphenol	U		0.0636	10.0	1	10/13/2021 16:25	WG1755648
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/13/2021 16:25	WG1755648
2,4-Dinitrophenol	U		5.93	10.0	1	10/13/2021 16:25	WG1755648
2-Nitrophenol	U		0.117	10.0	1	10/13/2021 16:25	WG1755648
4-Nitrophenol	U		0.143	10.0	1	10/13/2021 16:25	WG1755648
Pentachlorophenol	U		0.313	1.00	1	10/13/2021 16:25	WG1755648
Phenol	U		4.33	10.0	1	10/13/2021 16:25	WG1755648
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/13/2021 16:25	WG1755648
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/13/2021 16:25	WG1755648
(S) 2-Fluorophenol	*21.8*			*10.0-120*		*10/13/2021 16:25*	WG1755648
(S) Phenol-d5	*16.1*			*10.0-120*		*10/13/2021 16:25*	WG1755648
(S) Nitrobenzene-d5	*37.3*			*10.0-127*		*10/13/2021 16:25*	WG1755648
(S) 2-Fluorobiphenyl	*46.4*			*10.0-130*		*10/13/2021 16:25*	WG1755648
(S) 2,4,6-Tribromophenol	*37.0*			*10.0-155*		*10/13/2021 16:25*	WG1755648
(S) p-Terphenyl-d14	*51.9*			*10.0-128*		*10/13/2021 16:25*	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	10/13/2021 20:11	WG1755637
Acenaphthene	U		0.0190	0.0500	1	10/13/2021 20:11	WG1755637
Acenaphthylene	U		0.0171	0.0500	1	10/13/2021 20:11	WG1755637
Benzo(a)anthracene	U		0.0203	0.0500	1	10/13/2021 20:11	WG1755637
Benzo(a)pyrene	U		0.0184	0.0500	1	10/13/2021 20:11	WG1755637
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/13/2021 20:11	WG1755637
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/13/2021 20:11	WG1755637
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/13/2021 20:11	WG1755637
Chrysene	U		0.0179	0.0500	1	10/13/2021 20:11	WG1755637
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/13/2021 20:11	WG1755637
Dibenzofuran	U		0.0191	0.0500	1	10/13/2021 20:11	WG1755637
Fluoranthene	U		0.0270	0.100	1	10/13/2021 20:11	WG1755637
Fluorene	U		0.0169	0.0500	1	10/13/2021 20:11	WG1755637
Hexachlorobenzene	U		0.00670	0.0500	1	10/13/2021 20:11	WG1755637
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/13/2021 20:11	WG1755637
Naphthalene	U		0.0917	0.250	1	10/13/2021 20:11	WG1755637
Phenanthrene	U		0.0180	0.0500	1	10/13/2021 20:11	WG1755637
Pyrene	U		0.0169	0.0500	1	10/13/2021 20:11	WG1755637

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1-Methylnaphthalene	U		0.0687	0.250	1	10/13/2021 20:11	WG1755637
2-Methylnaphthalene	U		0.0674	0.250	1	10/13/2021 20:11	WG1755637
2-Chloronaphthalene	U		0.0682	0.250	1	10/13/2021 20:11	WG1755637
(S) Nitrobenzene-d5	*135*			*31.0-160*		*10/13/2021 20:11*	WG1755637
(S) 2-Fluorobiphenyl	*131*			*48.0-148*		*10/13/2021 20:11*	WG1755637
(S) p-Terphenyl-d14	*161*	J1		*37.0-146*		*10/13/2021 20:11*	WG1755637

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:42	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/15/2021 03:04	WG1757539
Acrylonitrile	U		0.671	5.00	1	10/15/2021 03:04	WG1757539
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 16:50	WG1758798
Benzene	U	J4	0.0941	0.500	1	10/15/2021 03:04	WG1757539
Bromobenzene	U		0.118	0.500	1	10/15/2021 03:04	WG1757539
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 03:04	WG1757539
Bromochloromethane	U		0.128	0.500	1	10/15/2021 03:04	WG1757539
Bromoform	U		0.129	0.500	1	10/15/2021 03:04	WG1757539
Bromomethane	U		0.605	2.50	1	10/15/2021 03:04	WG1757539
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 03:04	WG1757539
sec-Butylbenzene	0.128	J	0.125	0.500	1	10/15/2021 03:04	WG1757539
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 03:04	WG1757539
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 03:04	WG1757539
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 03:04	WG1757539
Chlorobenzene	U		0.117	0.500	1	10/15/2021 03:04	WG1757539
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 03:04	WG1757539
Chloroethane	U		0.192	2.50	1	10/15/2021 03:04	WG1757539
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/15/2021 03:04	WG1757539
Chloroform	U	J4	0.111	0.500	1	10/15/2021 03:04	WG1757539
Chloromethane	U		0.960	1.25	1	10/15/2021 03:04	WG1757539
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 03:04	WG1757539
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 03:04	WG1757539
1,2-Dibromo-3-Chloropropane	U	C3	0.276	2.50	1	10/15/2021 03:04	WG1757539
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 03:04	WG1757539
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 03:04	WG1757539
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 03:04	WG1757539
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 03:04	WG1757539
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 03:04	WG1757539
Dichlorodifluoromethane	U		0.374	2.50	1	10/15/2021 03:04	WG1757539
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 03:04	WG1757539
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 03:04	WG1757539
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 03:04	WG1757539
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 03:04	WG1757539
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 03:04	WG1757539
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 03:04	WG1757539
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 03:04	WG1757539
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 03:04	WG1757539
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 03:04	WG1757539
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 03:04	WG1757539
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 03:04	WG1757539
2,2-Dichloropropane	U	J4	0.161	0.500	1	10/15/2021 03:04	WG1757539
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 03:04	WG1757539
Ethylbenzene	U		0.137	0.500	1	10/15/2021 03:04	WG1757539
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 03:04	WG1757539
2-Hexanone	U		0.787	5.00	1	10/15/2021 03:04	WG1757539
n-Hexane	U		0.749	5.00	1	10/15/2021 03:04	WG1757539
Iodomethane	U		0.554	5.00	1	10/15/2021 03:04	WG1757539
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 03:04	WG1757539
p-Isopropyltoluene	0.824		0.120	0.500	1	10/15/2021 03:04	WG1757539
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 03:04	WG1757539

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/15/2021 03:04	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 03:04	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 03:04	WG1757539
Naphthalene	0.216	C3 J	0.174	2.50	1	10/15/2021 03:04	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 03:04	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 03:04	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 03:04	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 03:04	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 03:04	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 03:04	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 03:04	WG1757539
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	10/15/2021 03:04	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 03:04	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 03:04	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 03:04	WG1757539
Trichloroethene	0.234	J	0.190	0.500	1	10/15/2021 03:04	WG1757539
Trichlorofluoromethane	U		0.160	2.50	1	10/15/2021 03:04	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 03:04	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 03:04	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 03:04	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 03:04	WG1757539
Vinyl acetate	U		0.692	5.00	1	10/15/2021 03:04	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 03:04	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 03:04	WG1757539
(S) Toluene-d8	*101*			*80.0-120*		*10/15/2021 03:04*	WG1757539
(S) 4-Bromofluorobenzene	*98.7*			*77.0-126*		*10/15/2021 03:04*	WG1757539
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*10/15/2021 03:04*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/13/2021 22:48	WG1755648
Atrazine	U		0.255	10.0	1	10/13/2021 22:48	WG1755648
Benzaldehyde	U		1.69	10.0	1	10/13/2021 22:48	WG1755648
Biphenyl	U		0.790	10.0	1	10/13/2021 22:48	WG1755648
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/13/2021 22:48	WG1755648
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/13/2021 22:48	WG1755648
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/13/2021 22:48	WG1755648
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/13/2021 22:48	WG1755648
Caprolactam	2.30	J	0.309	10.0	1	10/13/2021 22:48	WG1755648
Carbazole	U		0.111	10.0	1	10/13/2021 22:48	WG1755648
4-Chloroaniline	U		0.234	5.00	1	10/13/2021 22:48	WG1755648
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/13/2021 22:48	WG1755648
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/13/2021 22:48	WG1755648
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/13/2021 22:48	WG1755648
2,6-Dinitrotoluene	U		0.250	5.00	1	10/13/2021 22:48	WG1755648
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/13/2021 22:48	WG1755648
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/13/2021 22:48	WG1755648
Hexachloroethane	U		0.127	5.00	1	10/13/2021 22:48	WG1755648
Isophorone	U		0.143	10.0	1	10/13/2021 22:48	WG1755648
2-Nitroaniline	U		0.102	10.0	1	10/13/2021 22:48	WG1755648
3-Nitroaniline	U		0.0869	5.00	1	10/13/2021 22:48	WG1755648
4-Nitroaniline	U		0.0910	5.00	1	10/13/2021 22:48	WG1755648
Nitrobenzene	U		0.297	10.0	1	10/13/2021 22:48	WG1755648
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/13/2021 22:48	WG1755648
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/13/2021 22:48	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/13/2021 22:48	WG1755648
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/13/2021 22:48	WG1755648
Di-n-butyl phthalate	U		0.453	3.00	1	10/13/2021 22:48	WG1755648
Diethyl phthalate	U		0.287	3.00	1	10/13/2021 22:48	WG1755648
Dimethyl phthalate	U		0.260	3.00	1	10/13/2021 22:48	WG1755648
Di-n-octyl phthalate	U		0.932	3.00	1	10/13/2021 22:48	WG1755648
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/13/2021 22:48	WG1755648
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/13/2021 22:48	WG1755648
2-Chlorophenol	U		0.133	1.00	1	10/13/2021 22:48	WG1755648
2-Methylphenol	U		0.0929	1.00	1	10/13/2021 22:48	WG1755648
3&4-Methyl Phenol	U		0.168	1.00	1	10/13/2021 22:48	WG1755648
2,4-Dichlorophenol	U		0.102	5.00	1	10/13/2021 22:48	WG1755648
2,4-Dimethylphenol	U		0.0636	10.0	1	10/13/2021 22:48	WG1755648
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/13/2021 22:48	WG1755648
2,4-Dinitrophenol	U		5.93	10.0	1	10/13/2021 22:48	WG1755648
2-Nitrophenol	U		0.117	10.0	1	10/13/2021 22:48	WG1755648
4-Nitrophenol	U		0.143	10.0	1	10/13/2021 22:48	WG1755648
Pentachlorophenol	U		0.313	1.00	1	10/13/2021 22:48	WG1755648
Phenol	U		4.33	10.0	1	10/13/2021 22:48	WG1755648
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/13/2021 22:48	WG1755648
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/13/2021 22:48	WG1755648
(S) 2-Fluorophenol	*18.7*			*10.0-120*		*10/13/2021 22:48*	WG1755648
(S) Phenol-d5	*13.6*			*10.0-120*		*10/13/2021 22:48*	WG1755648
(S) Nitrobenzene-d5	*33.3*			*10.0-127*		*10/13/2021 22:48*	WG1755648
(S) 2-Fluorobiphenyl	*43.1*			*10.0-130*		*10/13/2021 22:48*	WG1755648
(S) 2,4,6-Tribromophenol	*45.9*			*10.0-155*		*10/13/2021 22:48*	WG1755648
(S) p-Terphenyl-d14	*49.9*			*10.0-128*		*10/13/2021 22:48*	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	0.379		0.0190	0.0500	1	10/13/2021 20:28	WG1755637
Acenaphthene	0.583		0.0190	0.0500	1	10/13/2021 20:28	WG1755637
Acenaphthylene	0.381		0.0171	0.0500	1	10/13/2021 20:28	WG1755637
Benzo(a)anthracene	0.211		0.0203	0.0500	1	10/13/2021 20:28	WG1755637
Benzo(a)pyrene	0.105		0.0184	0.0500	1	10/13/2021 20:28	WG1755637
Benzo(b)fluoranthene	0.0792		0.0168	0.0500	1	10/13/2021 20:28	WG1755637
Benzo(g,h,i)perylene	0.0684		0.0184	0.0500	1	10/13/2021 20:28	WG1755637
Benzo(k)fluoranthene	0.0333	J	0.0202	0.0500	1	10/13/2021 20:28	WG1755637
Chrysene	0.156		0.0179	0.0500	1	10/13/2021 20:28	WG1755637
Dibenz(a,h)anthracene	0.0176	J	0.0160	0.0500	1	10/13/2021 20:28	WG1755637
Dibenzofuran	0.0366	J	0.0191	0.0500	1	10/13/2021 20:28	WG1755637
Fluoranthene	0.343		0.0270	0.100	1	10/13/2021 20:28	WG1755637
Fluorene	0.413		0.0169	0.0500	1	10/13/2021 20:28	WG1755637
Hexachlorobenzene	U		0.00670	0.0500	1	10/13/2021 20:28	WG1755637
Indeno(1,2,3-cd)pyrene	0.0484	J	0.0158	0.0500	1	10/13/2021 20:28	WG1755637
Naphthalene	0.206	J	0.0917	0.250	1	10/13/2021 20:28	WG1755637
Phenanthrene	1.15		0.0180	0.0500	1	10/13/2021 20:28	WG1755637
Pyrene	0.629		0.0169	0.0500	1	10/13/2021 20:28	WG1755637
1-Methylnaphthalene	0.175	J	0.0687	0.250	1	10/13/2021 20:28	WG1755637
2-Methylnaphthalene	0.127	J	0.0674	0.250	1	10/13/2021 20:28	WG1755637
2-Chloronaphthalene	U		0.0682	0.250	1	10/13/2021 20:28	WG1755637
(S) Nitrobenzene-d5	*137*			*31.0-160*		*10/13/2021 20:28*	WG1755637
(S) 2-Fluorobiphenyl	*131*			*48.0-148*		*10/13/2021 20:28*	WG1755637
(S) p-Terphenyl-d14	*162*	J1		*37.0-146*		*10/13/2021 20:28*	WG1755637

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:46	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/15/2021 03:23	WG1757539
Acrylonitrile	U		0.671	5.00	1	10/15/2021 03:23	WG1757539
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 17:14	WG1758798
Benzene	U	J4	0.0941	0.500	1	10/15/2021 03:23	WG1757539
Bromobenzene	U		0.118	0.500	1	10/15/2021 03:23	WG1757539
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 03:23	WG1757539
Bromochloromethane	U		0.128	0.500	1	10/15/2021 03:23	WG1757539
Bromoform	U		0.129	0.500	1	10/15/2021 03:23	WG1757539
Bromomethane	U		0.605	2.50	1	10/15/2021 03:23	WG1757539
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 03:23	WG1757539
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 03:23	WG1757539
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 03:23	WG1757539
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 03:23	WG1757539
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 03:23	WG1757539
Chlorobenzene	U		0.117	0.500	1	10/15/2021 03:23	WG1757539
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 03:23	WG1757539
Chloroethane	U		0.192	2.50	1	10/15/2021 03:23	WG1757539
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/15/2021 03:23	WG1757539
Chloroform	0.154	J	0.111	0.500	1	10/18/2021 16:33	WG1758998
Chloromethane	U		0.960	1.25	1	10/15/2021 03:23	WG1757539
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 03:23	WG1757539
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 03:23	WG1757539
1,2-Dibromo-3-Chloropropane	U	C3	0.276	2.50	1	10/15/2021 03:23	WG1757539
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 03:23	WG1757539
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 03:23	WG1757539
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 03:23	WG1757539
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 03:23	WG1757539
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 03:23	WG1757539
Dichlorodifluoromethane	U		0.374	2.50	1	10/15/2021 03:23	WG1757539
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 03:23	WG1757539
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 03:23	WG1757539
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 03:23	WG1757539
cis-1,2-Dichloroethene	3.02		0.126	0.500	1	10/15/2021 03:23	WG1757539
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 03:23	WG1757539
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 03:23	WG1757539
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 03:23	WG1757539
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 03:23	WG1757539
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 03:23	WG1757539
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 03:23	WG1757539
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 03:23	WG1757539
2,2-Dichloropropane	U	J4	0.161	0.500	1	10/15/2021 03:23	WG1757539
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 03:23	WG1757539
Ethylbenzene	U		0.137	0.500	1	10/15/2021 03:23	WG1757539
Hexachloro-1,3-butadiene	0.775	J	0.337	1.00	1	10/15/2021 03:23	WG1757539
2-Hexanone	U		0.787	5.00	1	10/15/2021 03:23	WG1757539
n-Hexane	U		0.749	5.00	1	10/15/2021 03:23	WG1757539
Iodomethane	U		0.554	5.00	1	10/15/2021 03:23	WG1757539
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 03:23	WG1757539
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 03:23	WG1757539
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 03:23	WG1757539

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/15/2021 03:23	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 03:23	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 03:23	WG1757539
Naphthalene	U	C3	0.174	2.50	1	10/15/2021 03:23	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 03:23	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 03:23	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 03:23	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 03:23	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 03:23	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 03:23	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 03:23	WG1757539
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	10/15/2021 03:23	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 03:23	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 03:23	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 03:23	WG1757539
Trichloroethene	7.17		0.190	0.500	1	10/15/2021 03:23	WG1757539
Trichlorofluoromethane	U		0.160	2.50	1	10/15/2021 03:23	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 03:23	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 03:23	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 03:23	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 03:23	WG1757539
Vinyl acetate	U		0.692	5.00	1	10/15/2021 03:23	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 03:23	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 03:23	WG1757539
(S) Toluene-d8	*96.5*			*80.0-120*		*10/15/2021 03:23*	WG1757539
(S) Toluene-d8	*117*			*80.0-120*		*10/18/2021 16:33*	WG1758998
(S) 4-Bromofluorobenzene	*95.6*			*77.0-126*		*10/15/2021 03:23*	WG1757539
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*10/18/2021 16:33*	WG1758998
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/15/2021 03:23*	WG1757539
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*10/18/2021 16:33*	WG1758998

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/13/2021 16:46	WG1755648
Atrazine	U		0.255	10.0	1	10/13/2021 16:46	WG1755648
Benzaldehyde	U		1.69	10.0	1	10/13/2021 16:46	WG1755648
Biphenyl	U		0.790	10.0	1	10/13/2021 16:46	WG1755648
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/13/2021 16:46	WG1755648
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/13/2021 16:46	WG1755648
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/13/2021 16:46	WG1755648
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/13/2021 16:46	WG1755648
Caprolactam	1.06	J	0.309	10.0	1	10/13/2021 16:46	WG1755648
Carbazole	U		0.111	10.0	1	10/13/2021 16:46	WG1755648
4-Chloroaniline	U		0.234	5.00	1	10/13/2021 16:46	WG1755648
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/13/2021 16:46	WG1755648
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/13/2021 16:46	WG1755648
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/13/2021 16:46	WG1755648
2,6-Dinitrotoluene	U		0.250	5.00	1	10/13/2021 16:46	WG1755648
Hexachloro-1,3-butadiene	0.316	J	0.0968	10.0	1	10/13/2021 16:46	WG1755648
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/13/2021 16:46	WG1755648
Hexachloroethane	U		0.127	5.00	1	10/13/2021 16:46	WG1755648
Isophorone	U		0.143	10.0	1	10/13/2021 16:46	WG1755648
2-Nitroaniline	U		0.102	10.0	1	10/13/2021 16:46	WG1755648
3-Nitroaniline	U		0.0869	5.00	1	10/13/2021 16:46	WG1755648
4-Nitroaniline	U		0.0910	5.00	1	10/13/2021 16:46	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrobenzene	U		0.297	10.0	1	10/13/2021 16:46	WG1755648
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/13/2021 16:46	WG1755648
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/13/2021 16:46	WG1755648
Benzylbutyl phthalate	U		0.765	3.00	1	10/13/2021 16:46	WG1755648
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/13/2021 16:46	WG1755648
Di-n-butyl phthalate	U		0.453	3.00	1	10/13/2021 16:46	WG1755648
Diethyl phthalate	U		0.287	3.00	1	10/13/2021 16:46	WG1755648
Dimethyl phthalate	U		0.260	3.00	1	10/13/2021 16:46	WG1755648
Di-n-octyl phthalate	U		0.932	3.00	1	10/13/2021 16:46	WG1755648
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/13/2021 16:46	WG1755648
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/13/2021 16:46	WG1755648
2-Chlorophenol	U		0.133	1.00	1	10/13/2021 16:46	WG1755648
2-Methylphenol	U		0.0929	1.00	1	10/13/2021 16:46	WG1755648
3&4-Methyl Phenol	U		0.168	1.00	1	10/13/2021 16:46	WG1755648
2,4-Dichlorophenol	U		0.102	5.00	1	10/13/2021 16:46	WG1755648
2,4-Dimethylphenol	U		0.0636	10.0	1	10/13/2021 16:46	WG1755648
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/13/2021 16:46	WG1755648
2,4-Dinitrophenol	U		5.93	10.0	1	10/13/2021 16:46	WG1755648
2-Nitrophenol	U		0.117	10.0	1	10/13/2021 16:46	WG1755648
4-Nitrophenol	U		0.143	10.0	1	10/13/2021 16:46	WG1755648
Pentachlorophenol	U		0.313	1.00	1	10/13/2021 16:46	WG1755648
Phenol	U		4.33	10.0	1	10/13/2021 16:46	WG1755648
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/13/2021 16:46	WG1755648
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/13/2021 16:46	WG1755648
(S) 2-Fluorophenol	*22.1*			*10.0-120*		*10/13/2021 16:46*	WG1755648
(S) Phenol-d5	*16.0*			*10.0-120*		*10/13/2021 16:46*	WG1755648
(S) Nitrobenzene-d5	*45.8*			*10.0-127*		*10/13/2021 16:46*	WG1755648
(S) 2-Fluorobiphenyl	*53.8*			*10.0-130*		*10/13/2021 16:46*	WG1755648
(S) 2,4,6-Tribromophenol	*44.1*			*10.0-155*		*10/13/2021 16:46*	WG1755648
(S) p-Terphenyl-d14	*50.4*			*10.0-128*		*10/13/2021 16:46*	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	0.0788		0.0190	0.0500	1	10/13/2021 20:45	WG1755637
Acenaphthene	0.144		0.0190	0.0500	1	10/13/2021 20:45	WG1755637
Acenaphthylene	0.0634		0.0171	0.0500	1	10/13/2021 20:45	WG1755637
Benzo(a)anthracene	0.0378	J	0.0203	0.0500	1	10/13/2021 20:45	WG1755637
Benzo(a)pyrene	U		0.0184	0.0500	1	10/13/2021 20:45	WG1755637
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/13/2021 20:45	WG1755637
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/13/2021 20:45	WG1755637
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/13/2021 20:45	WG1755637
Chrysene	0.0246	J	0.0179	0.0500	1	10/13/2021 20:45	WG1755637
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/13/2021 20:45	WG1755637
Dibenzofuran	U		0.0191	0.0500	1	10/13/2021 20:45	WG1755637
Fluoranthene	0.0687	J	0.0270	0.100	1	10/13/2021 20:45	WG1755637
Fluorene	0.101		0.0169	0.0500	1	10/13/2021 20:45	WG1755637
Hexachlorobenzene	U		0.00670	0.0500	1	10/13/2021 20:45	WG1755637
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/13/2021 20:45	WG1755637
Naphthalene	U		0.0917	0.250	1	10/13/2021 20:45	WG1755637
Phenanthrene	0.317		0.0180	0.0500	1	10/13/2021 20:45	WG1755637
Pyrene	0.114		0.0169	0.0500	1	10/13/2021 20:45	WG1755637
1-Methylnaphthalene	U		0.0687	0.250	1	10/13/2021 20:45	WG1755637
2-Methylnaphthalene	U		0.0674	0.250	1	10/13/2021 20:45	WG1755637
2-Chloronaphthalene	U		0.0682	0.250	1	10/13/2021 20:45	WG1755637
(S) Nitrobenzene-d5	*132*			*31.0-160*		*10/13/2021 20:45*	WG1755637

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 2-Fluorobiphenyl	*122*			*48.0-148*		*10/13/2021 20:45*	WG1755637
(S) p-Terphenyl-d14	*151*	J1		*37.0-146*		*10/13/2021 20:45*	WG1755637

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:49	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/15/2021 03:42	WG1757539
Acrylonitrile	U		0.671	5.00	1	10/15/2021 03:42	WG1757539
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 17:38	WG1758798
Benzene	U	J4	0.0941	0.500	1	10/15/2021 03:42	WG1757539
Bromobenzene	U		0.118	0.500	1	10/15/2021 03:42	WG1757539
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 03:42	WG1757539
Bromochloromethane	U		0.128	0.500	1	10/15/2021 03:42	WG1757539
Bromoform	U		0.129	0.500	1	10/15/2021 03:42	WG1757539
Bromomethane	U		0.605	2.50	1	10/15/2021 03:42	WG1757539
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 03:42	WG1757539
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 03:42	WG1757539
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 03:42	WG1757539
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 03:42	WG1757539
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 03:42	WG1757539
Chlorobenzene	U		0.117	0.500	1	10/15/2021 03:42	WG1757539
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 03:42	WG1757539
Chloroethane	U		0.192	2.50	1	10/15/2021 03:42	WG1757539
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/15/2021 03:42	WG1757539
Chloroform	U	J4	0.111	0.500	1	10/15/2021 03:42	WG1757539
Chloromethane	U		0.960	1.25	1	10/15/2021 03:42	WG1757539
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 03:42	WG1757539
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 03:42	WG1757539
1,2-Dibromo-3-Chloropropane	U	C3	0.276	2.50	1	10/15/2021 03:42	WG1757539
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 03:42	WG1757539
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 03:42	WG1757539
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 03:42	WG1757539
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 03:42	WG1757539
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 03:42	WG1757539
Dichlorodifluoromethane	U		0.374	2.50	1	10/15/2021 03:42	WG1757539
1,1-Dichloroethane	0.238	J	0.100	0.500	1	10/15/2021 03:42	WG1757539
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 03:42	WG1757539
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 03:42	WG1757539
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 03:42	WG1757539
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 03:42	WG1757539
1,2-Dichloropropane	0.195	J	0.149	0.500	1	10/15/2021 03:42	WG1757539
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 03:42	WG1757539
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 03:42	WG1757539
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 03:42	WG1757539
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 03:42	WG1757539
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 03:42	WG1757539
2,2-Dichloropropane	U	J4	0.161	0.500	1	10/15/2021 03:42	WG1757539
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 03:42	WG1757539
Ethylbenzene	U		0.137	0.500	1	10/15/2021 03:42	WG1757539
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 03:42	WG1757539
2-Hexanone	U		0.787	5.00	1	10/15/2021 03:42	WG1757539
n-Hexane	U		0.749	5.00	1	10/15/2021 03:42	WG1757539
Iodomethane	U		0.554	5.00	1	10/15/2021 03:42	WG1757539
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 03:42	WG1757539
p-Isopropyltoluene	0.310	J	0.120	0.500	1	10/15/2021 03:42	WG1757539
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 03:42	WG1757539

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/15/2021 03:42	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 03:42	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 03:42	WG1757539
Naphthalene	0.276	C3 J	0.174	2.50	1	10/15/2021 03:42	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 03:42	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 03:42	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 03:42	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 03:42	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 03:42	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 03:42	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 03:42	WG1757539
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	10/15/2021 03:42	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 03:42	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 03:42	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 03:42	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 03:42	WG1757539
Trichlorofluoromethane	U		0.160	2.50	1	10/15/2021 03:42	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 03:42	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 03:42	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 03:42	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 03:42	WG1757539
Vinyl acetate	U		0.692	5.00	1	10/15/2021 03:42	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 03:42	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 03:42	WG1757539
(S) Toluene-d8	*98.6*			*80.0-120*		*10/15/2021 03:42*	WG1757539
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*10/15/2021 03:42*	WG1757539
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*10/15/2021 03:42*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/15/2021 02:57	WG1756476
Atrazine	U		0.255	10.0	1	10/15/2021 02:57	WG1756476
Benzaldehyde	U		1.69	10.0	1	10/15/2021 02:57	WG1756476
Biphenyl	U		0.790	10.0	1	10/15/2021 02:57	WG1756476
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/15/2021 02:57	WG1756476
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/15/2021 02:57	WG1756476
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/15/2021 02:57	WG1756476
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/15/2021 02:57	WG1756476
Caprolactam	U		0.309	10.0	1	10/15/2021 02:57	WG1756476
Carbazole	U		0.111	10.0	1	10/15/2021 02:57	WG1756476
4-Chloroaniline	U		0.234	5.00	1	10/15/2021 02:57	WG1756476
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/15/2021 02:57	WG1756476
3,3-Dichlorobenzidine	0.394	J	0.212	10.0	1	10/15/2021 02:57	WG1756476
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/15/2021 02:57	WG1756476
2,6-Dinitrotoluene	U		0.250	5.00	1	10/15/2021 02:57	WG1756476
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/15/2021 02:57	WG1756476
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/15/2021 02:57	WG1756476
Hexachloroethane	U		0.127	5.00	1	10/15/2021 02:57	WG1756476
Isophorone	U		0.143	10.0	1	10/15/2021 02:57	WG1756476
2-Nitroaniline	U		0.102	10.0	1	10/15/2021 02:57	WG1756476
3-Nitroaniline	U		0.0869	5.00	1	10/15/2021 02:57	WG1756476
4-Nitroaniline	U		0.0910	5.00	1	10/15/2021 02:57	WG1756476
Nitrobenzene	U		0.297	10.0	1	10/15/2021 02:57	WG1756476
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/15/2021 02:57	WG1756476
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/15/2021 02:57	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/15/2021 02:57	WG1756476
Bis(2-ethylhexyl)phthalate	0.951	J	0.895	3.00	1	10/15/2021 02:57	WG1756476
Di-n-butyl phthalate	U		0.453	3.00	1	10/15/2021 02:57	WG1756476
Diethyl phthalate	U		0.287	3.00	1	10/15/2021 02:57	WG1756476
Dimethyl phthalate	U		0.260	3.00	1	10/15/2021 02:57	WG1756476
Di-n-octyl phthalate	U		0.932	3.00	1	10/15/2021 02:57	WG1756476
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/15/2021 02:57	WG1756476
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/15/2021 02:57	WG1756476
2-Chlorophenol	U		0.133	1.00	1	10/15/2021 02:57	WG1756476
2-Methylphenol	U		0.0929	1.00	1	10/15/2021 02:57	WG1756476
3&4-Methyl Phenol	U		0.168	1.00	1	10/15/2021 02:57	WG1756476
2,4-Dichlorophenol	U		0.102	5.00	1	10/15/2021 02:57	WG1756476
2,4-Dimethylphenol	U		0.0636	10.0	1	10/15/2021 02:57	WG1756476
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/15/2021 02:57	WG1756476
2,4-Dinitrophenol	U		5.93	10.0	1	10/15/2021 02:57	WG1756476
2-Nitrophenol	U		0.117	10.0	1	10/15/2021 02:57	WG1756476
4-Nitrophenol	U	J4	0.143	10.0	1	10/15/2021 02:57	WG1756476
Pentachlorophenol	U		0.313	1.00	1	10/15/2021 02:57	WG1756476
Phenol	U		4.33	10.0	1	10/15/2021 02:57	WG1756476
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/15/2021 02:57	WG1756476
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/15/2021 02:57	WG1756476
(S) 2-Fluorophenol	*31.8*			*10.0-120*		*10/15/2021 02:57*	WG1756476
(S) Phenol-d5	*19.7*			*10.0-120*		*10/15/2021 02:57*	WG1756476
(S) Nitrobenzene-d5	*60.9*			*10.0-127*		*10/15/2021 02:57*	WG1756476
(S) 2-Fluorobiphenyl	*59.3*			*10.0-130*		*10/15/2021 02:57*	WG1756476
(S) 2,4,6-Tribromophenol	*60.5*			*10.0-155*		*10/15/2021 02:57*	WG1756476
(S) p-Terphenyl-d14	*65.4*			*10.0-128*		*10/15/2021 02:57*	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	0.0918		0.0190	0.0500	1	10/14/2021 09:05	WG1756461
Acenaphthene	0.341		0.0190	0.0500	1	10/14/2021 09:05	WG1756461
Acenaphthylene	0.144		0.0171	0.0500	1	10/14/2021 09:05	WG1756461
Benzo(a)anthracene	0.0537		0.0203	0.0500	1	10/14/2021 09:05	WG1756461
Benzo(a)pyrene	0.0509		0.0184	0.0500	1	10/14/2021 09:05	WG1756461
Benzo(b)fluoranthene	0.0672		0.0168	0.0500	1	10/14/2021 09:05	WG1756461
Benzo(g,h,i)perylene	0.0508		0.0184	0.0500	1	10/14/2021 09:05	WG1756461
Benzo(k)fluoranthene	0.0257	J	0.0202	0.0500	1	10/14/2021 09:05	WG1756461
Chrysene	0.0630		0.0179	0.0500	1	10/14/2021 09:05	WG1756461
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/14/2021 09:05	WG1756461
Dibenzofuran	0.0196	J	0.0191	0.0500	1	10/14/2021 09:05	WG1756461
Fluoranthene	0.122		0.0270	0.100	1	10/14/2021 09:05	WG1756461
Fluorene	0.191		0.0169	0.0500	1	10/14/2021 09:05	WG1756461
Hexachlorobenzene	U		0.00670	0.0500	1	10/14/2021 09:05	WG1756461
Indeno(1,2,3-cd)pyrene	0.0436	J	0.0158	0.0500	1	10/14/2021 09:05	WG1756461
Naphthalene	0.525		0.0917	0.250	1	10/14/2021 09:05	WG1756461
Phenanthrene	0.445		0.0180	0.0500	1	10/14/2021 09:05	WG1756461
Pyrene	0.173		0.0169	0.0500	1	10/14/2021 09:05	WG1756461
1-Methylnaphthalene	0.273		0.0687	0.250	1	10/14/2021 09:05	WG1756461
2-Methylnaphthalene	0.179	J	0.0674	0.250	1	10/14/2021 09:05	WG1756461
2-Chloronaphthalene	U		0.0682	0.250	1	10/14/2021 09:05	WG1756461
(S) Nitrobenzene-d5	*102*			*31.0-160*		*10/14/2021 09:05*	WG1756461
(S) 2-Fluorobiphenyl	*137*			*48.0-148*		*10/14/2021 09:05*	WG1756461
(S) p-Terphenyl-d14	*165*	J1		*37.0-146*		*10/14/2021 09:05*	WG1756461

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:52	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/15/2021 04:02	WG1757539
Acrylonitrile	U		0.671	5.00	1	10/15/2021 04:02	WG1757539
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 18:01	WG1758798
Benzene	U	J4	0.0941	0.500	1	10/15/2021 04:02	WG1757539
Bromobenzene	U		0.118	0.500	1	10/15/2021 04:02	WG1757539
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 04:02	WG1757539
Bromochloromethane	U		0.128	0.500	1	10/15/2021 04:02	WG1757539
Bromoform	U		0.129	0.500	1	10/15/2021 04:02	WG1757539
Bromomethane	U		0.605	2.50	1	10/15/2021 04:02	WG1757539
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 04:02	WG1757539
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 04:02	WG1757539
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 04:02	WG1757539
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 04:02	WG1757539
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 04:02	WG1757539
Chlorobenzene	U		0.117	0.500	1	10/15/2021 04:02	WG1757539
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 04:02	WG1757539
Chloroethane	U		0.192	2.50	1	10/15/2021 04:02	WG1757539
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/15/2021 04:02	WG1757539
Chloroform	U	J4	0.111	0.500	1	10/15/2021 04:02	WG1757539
Chloromethane	U		0.960	1.25	1	10/15/2021 04:02	WG1757539
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 04:02	WG1757539
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 04:02	WG1757539
1,2-Dibromo-3-Chloropropane	U	C3	0.276	2.50	1	10/15/2021 04:02	WG1757539
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 04:02	WG1757539
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 04:02	WG1757539
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 04:02	WG1757539
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 04:02	WG1757539
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 04:02	WG1757539
Dichlorodifluoromethane	U		0.374	2.50	1	10/15/2021 04:02	WG1757539
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 04:02	WG1757539
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 04:02	WG1757539
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 04:02	WG1757539
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 04:02	WG1757539
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 04:02	WG1757539
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 04:02	WG1757539
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 04:02	WG1757539
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 04:02	WG1757539
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 04:02	WG1757539
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 04:02	WG1757539
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 04:02	WG1757539
2,2-Dichloropropane	U	J4	0.161	0.500	1	10/15/2021 04:02	WG1757539
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 04:02	WG1757539
Ethylbenzene	U		0.137	0.500	1	10/15/2021 04:02	WG1757539
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 04:02	WG1757539
2-Hexanone	U		0.787	5.00	1	10/15/2021 04:02	WG1757539
n-Hexane	U		0.749	5.00	1	10/15/2021 04:02	WG1757539
Iodomethane	U		0.554	5.00	1	10/15/2021 04:02	WG1757539
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 04:02	WG1757539
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 04:02	WG1757539
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 04:02	WG1757539

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/15/2021 04:02	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 04:02	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 04:02	WG1757539
Naphthalene	U	C3	0.174	2.50	1	10/15/2021 04:02	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 04:02	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 04:02	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 04:02	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 04:02	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 04:02	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 04:02	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 04:02	WG1757539
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	10/15/2021 04:02	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 04:02	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 04:02	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 04:02	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 04:02	WG1757539
Trichlorofluoromethane	U		0.160	2.50	1	10/15/2021 04:02	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 04:02	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 04:02	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 04:02	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 04:02	WG1757539
Vinyl acetate	U		0.692	5.00	1	10/15/2021 04:02	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 04:02	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 04:02	WG1757539
(S) Toluene-d8	*97.6*			*80.0-120*		*10/15/2021 04:02*	WG1757539
(S) 4-Bromofluorobenzene	*96.7*			*77.0-126*		*10/15/2021 04:02*	WG1757539
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*10/15/2021 04:02*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/13/2021 17:08	WG1755648
Atrazine	U		0.255	10.0	1	10/13/2021 17:08	WG1755648
Benzaldehyde	U		1.69	10.0	1	10/13/2021 17:08	WG1755648
Biphenyl	U		0.790	10.0	1	10/13/2021 17:08	WG1755648
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/13/2021 17:08	WG1755648
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/13/2021 17:08	WG1755648
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/13/2021 17:08	WG1755648
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/13/2021 17:08	WG1755648
Caprolactam	U		0.309	10.0	1	10/13/2021 17:08	WG1755648
Carbazole	U		0.111	10.0	1	10/13/2021 17:08	WG1755648
4-Chloroaniline	U		0.234	5.00	1	10/13/2021 17:08	WG1755648
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/13/2021 17:08	WG1755648
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/13/2021 17:08	WG1755648
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/13/2021 17:08	WG1755648
2,6-Dinitrotoluene	U		0.250	5.00	1	10/13/2021 17:08	WG1755648
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/13/2021 17:08	WG1755648
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/13/2021 17:08	WG1755648
Hexachloroethane	U		0.127	5.00	1	10/13/2021 17:08	WG1755648
Isophorone	U		0.143	10.0	1	10/13/2021 17:08	WG1755648
2-Nitroaniline	U		0.102	10.0	1	10/13/2021 17:08	WG1755648
3-Nitroaniline	U		0.0869	5.00	1	10/13/2021 17:08	WG1755648
4-Nitroaniline	U		0.0910	5.00	1	10/13/2021 17:08	WG1755648
Nitrobenzene	U		0.297	10.0	1	10/13/2021 17:08	WG1755648
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/13/2021 17:08	WG1755648
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/13/2021 17:08	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/13/2021 17:08	WG1755648
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/13/2021 17:08	WG1755648
Di-n-butyl phthalate	U		0.453	3.00	1	10/13/2021 17:08	WG1755648
Diethyl phthalate	U		0.287	3.00	1	10/13/2021 17:08	WG1755648
Dimethyl phthalate	U		0.260	3.00	1	10/13/2021 17:08	WG1755648
Di-n-octyl phthalate	U		0.932	3.00	1	10/13/2021 17:08	WG1755648
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/13/2021 17:08	WG1755648
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/13/2021 17:08	WG1755648
2-Chlorophenol	U		0.133	1.00	1	10/13/2021 17:08	WG1755648
2-Methylphenol	U		0.0929	1.00	1	10/13/2021 17:08	WG1755648
3&4-Methyl Phenol	U		0.168	1.00	1	10/13/2021 17:08	WG1755648
2,4-Dichlorophenol	U		0.102	5.00	1	10/13/2021 17:08	WG1755648
2,4-Dimethylphenol	U		0.0636	10.0	1	10/13/2021 17:08	WG1755648
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/13/2021 17:08	WG1755648
2,4-Dinitrophenol	U		5.93	10.0	1	10/13/2021 17:08	WG1755648
2-Nitrophenol	U		0.117	10.0	1	10/13/2021 17:08	WG1755648
4-Nitrophenol	U		0.143	10.0	1	10/13/2021 17:08	WG1755648
Pentachlorophenol	U		0.313	1.00	1	10/13/2021 17:08	WG1755648
Phenol	U		4.33	10.0	1	10/13/2021 17:08	WG1755648
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/13/2021 17:08	WG1755648
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/13/2021 17:08	WG1755648
(S) 2-Fluorophenol	*20.5*			*10.0-120*		*10/13/2021 17:08*	WG1755648
(S) Phenol-d5	*14.3*			*10.0-120*		*10/13/2021 17:08*	WG1755648
(S) Nitrobenzene-d5	*40.7*			*10.0-127*		*10/13/2021 17:08*	WG1755648
(S) 2-Fluorobiphenyl	*55.8*			*10.0-130*		*10/13/2021 17:08*	WG1755648
(S) 2,4,6-Tribromophenol	*44.5*			*10.0-155*		*10/13/2021 17:08*	WG1755648
(S) p-Terphenyl-d14	*55.2*			*10.0-128*		*10/13/2021 17:08*	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	10/13/2021 21:03	WG1755637
Acenaphthene	U		0.0190	0.0500	1	10/13/2021 21:03	WG1755637
Acenaphthylene	U		0.0171	0.0500	1	10/13/2021 21:03	WG1755637
Benzo(a)anthracene	U		0.0203	0.0500	1	10/13/2021 21:03	WG1755637
Benzo(a)pyrene	U		0.0184	0.0500	1	10/13/2021 21:03	WG1755637
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/13/2021 21:03	WG1755637
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/13/2021 21:03	WG1755637
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/13/2021 21:03	WG1755637
Chrysene	U		0.0179	0.0500	1	10/13/2021 21:03	WG1755637
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/13/2021 21:03	WG1755637
Dibenzofuran	U		0.0191	0.0500	1	10/13/2021 21:03	WG1755637
Fluoranthene	U		0.0270	0.100	1	10/13/2021 21:03	WG1755637
Fluorene	U		0.0169	0.0500	1	10/13/2021 21:03	WG1755637
Hexachlorobenzene	U		0.00670	0.0500	1	10/13/2021 21:03	WG1755637
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/13/2021 21:03	WG1755637
Naphthalene	U		0.0917	0.250	1	10/13/2021 21:03	WG1755637
Phenanthrene	U		0.0180	0.0500	1	10/13/2021 21:03	WG1755637
Pyrene	U		0.0169	0.0500	1	10/13/2021 21:03	WG1755637
1-Methylnaphthalene	U		0.0687	0.250	1	10/13/2021 21:03	WG1755637
2-Methylnaphthalene	U		0.0674	0.250	1	10/13/2021 21:03	WG1755637
2-Chloronaphthalene	U		0.0682	0.250	1	10/13/2021 21:03	WG1755637
(S) Nitrobenzene-d5	*134*			*31.0-160*		*10/13/2021 21:03*	WG1755637
(S) 2-Fluorobiphenyl	*128*			*48.0-148*		*10/13/2021 21:03*	WG1755637
(S) p-Terphenyl-d14	*164*	J1		*37.0-146*		*10/13/2021 21:03*	WG1755637

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:56	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/15/2021 04:21	WG1757539
Acrylonitrile	U		0.671	5.00	1	10/15/2021 04:21	WG1757539
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 18:25	WG1758798
Benzene	U	J4	0.0941	0.500	1	10/15/2021 04:21	WG1757539
Bromobenzene	U		0.118	0.500	1	10/15/2021 04:21	WG1757539
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 04:21	WG1757539
Bromochloromethane	U		0.128	0.500	1	10/15/2021 04:21	WG1757539
Bromoform	U		0.129	0.500	1	10/15/2021 04:21	WG1757539
Bromomethane	U		0.605	2.50	1	10/15/2021 04:21	WG1757539
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 04:21	WG1757539
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 04:21	WG1757539
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 04:21	WG1757539
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 04:21	WG1757539
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 04:21	WG1757539
Chlorobenzene	U		0.117	0.500	1	10/15/2021 04:21	WG1757539
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 04:21	WG1757539
Chloroethane	U		0.192	2.50	1	10/15/2021 04:21	WG1757539
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/15/2021 04:21	WG1757539
Chloroform	U	J4	0.111	0.500	1	10/15/2021 04:21	WG1757539
Chloromethane	U		0.960	1.25	1	10/15/2021 04:21	WG1757539
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 04:21	WG1757539
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 04:21	WG1757539
1,2-Dibromo-3-Chloropropane	U	C3	0.276	2.50	1	10/15/2021 04:21	WG1757539
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 04:21	WG1757539
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 04:21	WG1757539
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 04:21	WG1757539
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 04:21	WG1757539
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 04:21	WG1757539
Dichlorodifluoromethane	U		0.374	2.50	1	10/15/2021 04:21	WG1757539
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 04:21	WG1757539
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 04:21	WG1757539
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 04:21	WG1757539
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 04:21	WG1757539
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 04:21	WG1757539
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 04:21	WG1757539
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 04:21	WG1757539
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 04:21	WG1757539
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 04:21	WG1757539
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 04:21	WG1757539
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 04:21	WG1757539
2,2-Dichloropropane	U	J4	0.161	0.500	1	10/15/2021 04:21	WG1757539
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 04:21	WG1757539
Ethylbenzene	U		0.137	0.500	1	10/15/2021 04:21	WG1757539
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 04:21	WG1757539
2-Hexanone	U		0.787	5.00	1	10/15/2021 04:21	WG1757539
n-Hexane	U		0.749	5.00	1	10/15/2021 04:21	WG1757539
Iodomethane	U		0.554	5.00	1	10/15/2021 04:21	WG1757539
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 04:21	WG1757539
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 04:21	WG1757539
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 04:21	WG1757539

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/15/2021 04:21	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 04:21	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 04:21	WG1757539
Naphthalene	U	C3	0.174	2.50	1	10/15/2021 04:21	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 04:21	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 04:21	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 04:21	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 04:21	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 04:21	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 04:21	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 04:21	WG1757539
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	10/15/2021 04:21	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 04:21	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 04:21	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 04:21	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 04:21	WG1757539
Trichlorofluoromethane	U		0.160	2.50	1	10/15/2021 04:21	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 04:21	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 04:21	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 04:21	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 04:21	WG1757539
Vinyl acetate	U		0.692	5.00	1	10/15/2021 04:21	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 04:21	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 04:21	WG1757539
(S) Toluene-d8	*99.5*			*80.0-120*		*10/15/2021 04:21*	WG1757539
(S) 4-Bromofluorobenzene	*97.1*			*77.0-126*		*10/15/2021 04:21*	WG1757539
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*10/15/2021 04:21*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/14/2021 23:02	WG1756476
Atrazine	U		0.255	10.0	1	10/14/2021 23:02	WG1756476
Benzaldehyde	U		1.69	10.0	1	10/14/2021 23:02	WG1756476
Biphenyl	U		0.790	10.0	1	10/14/2021 23:02	WG1756476
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/14/2021 23:02	WG1756476
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/14/2021 23:02	WG1756476
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/14/2021 23:02	WG1756476
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/14/2021 23:02	WG1756476
Caprolactam	U		0.309	10.0	1	10/14/2021 23:02	WG1756476
Carbazole	U		0.111	10.0	1	10/14/2021 23:02	WG1756476
4-Chloroaniline	U		0.234	5.00	1	10/14/2021 23:02	WG1756476
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/14/2021 23:02	WG1756476
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/14/2021 23:02	WG1756476
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/14/2021 23:02	WG1756476
2,6-Dinitrotoluene	U		0.250	5.00	1	10/14/2021 23:02	WG1756476
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/14/2021 23:02	WG1756476
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/14/2021 23:02	WG1756476
Hexachloroethane	U		0.127	5.00	1	10/14/2021 23:02	WG1756476
Isophorone	U		0.143	10.0	1	10/14/2021 23:02	WG1756476
2-Nitroaniline	U		0.102	10.0	1	10/14/2021 23:02	WG1756476
3-Nitroaniline	U		0.0869	5.00	1	10/14/2021 23:02	WG1756476
4-Nitroaniline	U		0.0910	5.00	1	10/14/2021 23:02	WG1756476
Nitrobenzene	U		0.297	10.0	1	10/14/2021 23:02	WG1756476
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/14/2021 23:02	WG1756476
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/14/2021 23:02	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/14/2021 23:02	WG1756476
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/14/2021 23:02	WG1756476
Di-n-butyl phthalate	U		0.453	3.00	1	10/14/2021 23:02	WG1756476
Diethyl phthalate	U		0.287	3.00	1	10/14/2021 23:02	WG1756476
Dimethyl phthalate	U		0.260	3.00	1	10/14/2021 23:02	WG1756476
Di-n-octyl phthalate	U		0.932	3.00	1	10/14/2021 23:02	WG1756476
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/14/2021 23:02	WG1756476
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/14/2021 23:02	WG1756476
2-Chlorophenol	U		0.133	1.00	1	10/14/2021 23:02	WG1756476
2-Methylphenol	U		0.0929	1.00	1	10/14/2021 23:02	WG1756476
3&4-Methyl Phenol	U		0.168	1.00	1	10/14/2021 23:02	WG1756476
2,4-Dichlorophenol	U		0.102	5.00	1	10/14/2021 23:02	WG1756476
2,4-Dimethylphenol	U		0.0636	10.0	1	10/14/2021 23:02	WG1756476
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/14/2021 23:02	WG1756476
2,4-Dinitrophenol	U		5.93	10.0	1	10/14/2021 23:02	WG1756476
2-Nitrophenol	U		0.117	10.0	1	10/14/2021 23:02	WG1756476
4-Nitrophenol	U	J4	0.143	10.0	1	10/14/2021 23:02	WG1756476
Pentachlorophenol	U		0.313	1.00	1	10/14/2021 23:02	WG1756476
Phenol	U		4.33	10.0	1	10/14/2021 23:02	WG1756476
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/14/2021 23:02	WG1756476
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/14/2021 23:02	WG1756476
(S) 2-Fluorophenol	*34.2*			*10.0-120*		*10/14/2021 23:02*	WG1756476
(S) Phenol-d5	*21.1*			*10.0-120*		*10/14/2021 23:02*	WG1756476
(S) Nitrobenzene-d5	*61.7*			*10.0-127*		*10/14/2021 23:02*	WG1756476
(S) 2-Fluorobiphenyl	*61.4*			*10.0-130*		*10/14/2021 23:02*	WG1756476
(S) 2,4,6-Tribromophenol	*56.0*			*10.0-155*		*10/14/2021 23:02*	WG1756476
(S) p-Terphenyl-d14	*60.1*			*10.0-128*		*10/14/2021 23:02*	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	10/14/2021 09:22	WG1756461
Acenaphthene	U		0.0190	0.0500	1	10/14/2021 09:22	WG1756461
Acenaphthylene	U		0.0171	0.0500	1	10/14/2021 09:22	WG1756461
Benzo(a)anthracene	U		0.0203	0.0500	1	10/14/2021 09:22	WG1756461
Benzo(a)pyrene	U		0.0184	0.0500	1	10/14/2021 09:22	WG1756461
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/14/2021 09:22	WG1756461
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/14/2021 09:22	WG1756461
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/14/2021 09:22	WG1756461
Chrysene	U		0.0179	0.0500	1	10/14/2021 09:22	WG1756461
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/14/2021 09:22	WG1756461
Dibenzofuran	U		0.0191	0.0500	1	10/14/2021 09:22	WG1756461
Fluoranthene	U		0.0270	0.100	1	10/14/2021 09:22	WG1756461
Fluorene	U		0.0169	0.0500	1	10/14/2021 09:22	WG1756461
Hexachlorobenzene	U		0.00670	0.0500	1	10/14/2021 09:22	WG1756461
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/14/2021 09:22	WG1756461
Naphthalene	U		0.0917	0.250	1	10/14/2021 09:22	WG1756461
Phenanthrene	U		0.0180	0.0500	1	10/14/2021 09:22	WG1756461
Pyrene	U		0.0169	0.0500	1	10/14/2021 09:22	WG1756461
1-Methylnaphthalene	U		0.0687	0.250	1	10/14/2021 09:22	WG1756461
2-Methylnaphthalene	U		0.0674	0.250	1	10/14/2021 09:22	WG1756461
2-Chloronaphthalene	U		0.0682	0.250	1	10/14/2021 09:22	WG1756461
(S) Nitrobenzene-d5	*111*			*31.0-160*		*10/14/2021 09:22*	WG1756461
(S) 2-Fluorobiphenyl	*135*			*48.0-148*		*10/14/2021 09:22*	WG1756461
(S) p-Terphenyl-d14	*181*	J1		*37.0-146*		*10/14/2021 09:22*	WG1756461

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/15/2021 00:28	WG1757539
Acrylonitrile	U		0.671	5.00	1	10/15/2021 00:28	WG1757539
Benzene	U	J4	0.0941	0.500	1	10/15/2021 00:28	WG1757539
Bromobenzene	U		0.118	0.500	1	10/15/2021 00:28	WG1757539
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 00:28	WG1757539
Bromochloromethane	U		0.128	0.500	1	10/15/2021 00:28	WG1757539
Bromoform	U		0.129	0.500	1	10/15/2021 00:28	WG1757539
Bromomethane	U		0.605	2.50	1	10/15/2021 00:28	WG1757539
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 00:28	WG1757539
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 00:28	WG1757539
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 00:28	WG1757539
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 00:28	WG1757539
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 00:28	WG1757539
Chlorobenzene	U		0.117	0.500	1	10/15/2021 00:28	WG1757539
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 00:28	WG1757539
Chloroethane	U		0.192	2.50	1	10/15/2021 00:28	WG1757539
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/15/2021 00:28	WG1757539
Chloroform	U	J4	0.111	0.500	1	10/15/2021 00:28	WG1757539
Chloromethane	U		0.960	1.25	1	10/15/2021 00:28	WG1757539
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 00:28	WG1757539
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 00:28	WG1757539
1,2-Dibromo-3-Chloropropane	U	C3	0.276	2.50	1	10/15/2021 00:28	WG1757539
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 00:28	WG1757539
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 00:28	WG1757539
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 00:28	WG1757539
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 00:28	WG1757539
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 00:28	WG1757539
Dichlorodifluoromethane	U		0.374	2.50	1	10/15/2021 00:28	WG1757539
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 00:28	WG1757539
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 00:28	WG1757539
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 00:28	WG1757539
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 00:28	WG1757539
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 00:28	WG1757539
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 00:28	WG1757539
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 00:28	WG1757539
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 00:28	WG1757539
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 00:28	WG1757539
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 00:28	WG1757539
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 00:28	WG1757539
2,2-Dichloropropane	U	J4	0.161	0.500	1	10/15/2021 00:28	WG1757539
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 00:28	WG1757539
Ethylbenzene	U		0.137	0.500	1	10/15/2021 00:28	WG1757539
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 00:28	WG1757539
2-Hexanone	U		0.787	5.00	1	10/15/2021 00:28	WG1757539
n-Hexane	U		0.749	5.00	1	10/15/2021 00:28	WG1757539
Iodomethane	U		0.554	5.00	1	10/15/2021 00:28	WG1757539
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 00:28	WG1757539
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 00:28	WG1757539
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 00:28	WG1757539
Methylene Chloride	U		0.430	2.50	1	10/15/2021 00:28	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 00:28	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 00:28	WG1757539
Naphthalene	U	C3	0.174	2.50	1	10/15/2021 00:28	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 00:28	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 00:28	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 00:28	WG1757539

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 00:28	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 00:28	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 00:28	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 00:28	WG1757539
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	10/15/2021 00:28	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 00:28	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 00:28	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 00:28	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 00:28	WG1757539
Trichlorofluoromethane	U		0.160	2.50	1	10/15/2021 00:28	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 00:28	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 00:28	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 00:28	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 00:28	WG1757539
Vinyl acetate	U		0.692	5.00	1	10/15/2021 00:28	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 00:28	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 00:28	WG1757539
(S) Toluene-d8	*97.8*			*80.0-120*		*10/15/2021 00:28*	WG1757539
(S) 4-Bromofluorobenzene	*96.4*			*77.0-126*		*10/15/2021 00:28*	WG1757539
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*10/15/2021 00:28*	WG1757539

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/15/2021 00:48	WG1757539
Acrylonitrile	U		0.671	5.00	1	10/15/2021 00:48	WG1757539
Benzene	U	J4	0.0941	0.500	1	10/15/2021 00:48	WG1757539
Bromobenzene	U		0.118	0.500	1	10/15/2021 00:48	WG1757539
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 00:48	WG1757539
Bromochloromethane	U		0.128	0.500	1	10/15/2021 00:48	WG1757539
Bromoform	U		0.129	0.500	1	10/15/2021 00:48	WG1757539
Bromomethane	U		0.605	2.50	1	10/15/2021 00:48	WG1757539
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 00:48	WG1757539
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 00:48	WG1757539
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 00:48	WG1757539
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 00:48	WG1757539
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 00:48	WG1757539
Chlorobenzene	U		0.117	0.500	1	10/15/2021 00:48	WG1757539
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 00:48	WG1757539
Chloroethane	U		0.192	2.50	1	10/15/2021 00:48	WG1757539
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/15/2021 00:48	WG1757539
Chloroform	U	J4	0.111	0.500	1	10/15/2021 00:48	WG1757539
Chloromethane	U		0.960	1.25	1	10/15/2021 00:48	WG1757539
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 00:48	WG1757539
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 00:48	WG1757539
1,2-Dibromo-3-Chloropropane	U	C3	0.276	2.50	1	10/15/2021 00:48	WG1757539
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 00:48	WG1757539
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 00:48	WG1757539
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 00:48	WG1757539
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 00:48	WG1757539
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 00:48	WG1757539
Dichlorodifluoromethane	U		0.374	2.50	1	10/15/2021 00:48	WG1757539
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 00:48	WG1757539
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 00:48	WG1757539
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 00:48	WG1757539
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 00:48	WG1757539
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 00:48	WG1757539
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 00:48	WG1757539
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 00:48	WG1757539
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 00:48	WG1757539
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 00:48	WG1757539
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 00:48	WG1757539
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 00:48	WG1757539
2,2-Dichloropropane	U	J4	0.161	0.500	1	10/15/2021 00:48	WG1757539
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 00:48	WG1757539
Ethylbenzene	U		0.137	0.500	1	10/15/2021 00:48	WG1757539
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 00:48	WG1757539
2-Hexanone	U		0.787	5.00	1	10/15/2021 00:48	WG1757539
n-Hexane	U		0.749	5.00	1	10/15/2021 00:48	WG1757539
Iodomethane	U		0.554	5.00	1	10/15/2021 00:48	WG1757539
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 00:48	WG1757539
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 00:48	WG1757539
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 00:48	WG1757539
Methylene Chloride	U		0.430	2.50	1	10/15/2021 00:48	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 00:48	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 00:48	WG1757539
Naphthalene	U	C3	0.174	2.50	1	10/15/2021 00:48	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 00:48	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 00:48	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 00:48	WG1757539

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 00:48	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 00:48	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 00:48	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 00:48	WG1757539
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	10/15/2021 00:48	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 00:48	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 00:48	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 00:48	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 00:48	WG1757539
Trichlorofluoromethane	U		0.160	2.50	1	10/15/2021 00:48	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 00:48	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 00:48	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 00:48	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 00:48	WG1757539
Vinyl acetate	U		0.692	5.00	1	10/15/2021 00:48	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 00:48	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 00:48	WG1757539
(S) Toluene-d8	*99.4*			*80.0-120*		*10/15/2021 00:48*	WG1757539
(S) 4-Bromofluorobenzene	*99.5*			*77.0-126*		*10/15/2021 00:48*	WG1757539
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*10/15/2021 00:48*	WG1757539

Method Blank (MB)

(MB) R3719505-1 10/21/21 09:03

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Lead,Dissolved	U		0.849	2.00

Laboratory Control Sample (LCS)

(LCS) R3719505-2 10/21/21 09:06

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Lead,Dissolved	50.0	46.3	92.7	80.0-120	

L1415506-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415506-04 10/21/21 09:10 • (MS) R3719505-4 10/21/21 09:16 • (MSD) R3719505-5 10/21/21 09:20

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Lead,Dissolved	50.0	U	47.4	48.1	94.8	96.2	1	75.0-125			1.57	20

Method Blank (MB)

(MB) R3718697-2 10/19/21 13:35

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2-Dibromo-3-Chloropropane	U		0.000520	0.00500

Laboratory Control Sample (LCS)

(LCS) R3718697-1 10/19/21 13:12

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2-Dibromo-3-Chloropropane	0.0500	0.0620	124	70.0-130	

L1415506-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415506-04 10/19/21 15:40 • (MS) R3718697-3 10/19/21 21:10 • (MSD) R3718697-4 10/19/21 21:34

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2-Dibromo-3-Chloropropane	0.0500	U	0.0560	0.0550	112	110	1	70.0-130			1.80	20

L1415964-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415964-01 10/19/21 18:49 • (MS) R3718697-5 10/19/21 21:57 • (MSD) R3718697-6 10/19/21 22:21

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2-Dibromo-3-Chloropropane	0.0500	U	0.0500	0.0520	100	104	1	70.0-130			3.92	20

Method Blank (MB)

(MB) R3717809-3 10/14/21 21:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	25.0
Acrylonitrile	U		0.671	5.00
Benzene	U		0.0941	0.500
Bromobenzene	U		0.118	0.500
Bromodichloromethane	U		0.136	0.500
Bromochloromethane	U		0.128	0.500
Bromoform	U		0.129	0.500
Bromomethane	U		0.605	2.50
n-Butylbenzene	U		0.157	0.500
sec-Butylbenzene	U		0.125	0.500
tert-Butylbenzene	U		0.127	0.500
Carbon disulfide	U		0.0962	0.500
Carbon tetrachloride	U		0.128	0.500
Chlorobenzene	U		0.117	0.500
Chlorodibromomethane	U		0.140	0.500
Chloroethane	U		0.192	2.50
2-Chloroethyl vinyl ether	U		0.575	50.0
Chloroform	U		0.111	0.500
Chloromethane	U		0.960	1.25
2-Chlorotoluene	U		0.106	0.500
4-Chlorotoluene	U		0.114	0.500
1,2-Dibromo-3-Chloropropane	U		0.276	2.50
1,2-Dibromoethane	U		0.126	0.500
Dibromomethane	U		0.122	0.500
1,2-Dichlorobenzene	U		0.107	0.500
1,3-Dichlorobenzene	U		0.299	0.500
1,4-Dichlorobenzene	U		0.120	0.500
trans-1,4-Dichloro-2-butene	U		0.467	5.00
Dichlorodifluoromethane	U		0.374	2.50
1,1-Dichloroethane	U		0.100	0.500
1,2-Dichloroethane	U		0.0819	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.126	0.500
trans-1,2-Dichloroethene	U		0.149	0.500
1,2-Dichloropropane	U		0.149	0.500
1,1-Dichloropropene	U		0.142	0.500
1,3-Dichloropropane	U		0.109	1.00
cis-1,3-Dichloropropene	U		0.111	0.500
trans-1,3-Dichloropropene	U		0.118	0.500
2,2-Dichloropropane	U		0.161	0.500

Method Blank (MB)

(MB) R3717809-3 10/14/21 21:15

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.105	0.500
Ethylbenzene	U		0.137	0.500
Hexachloro-1,3-butadiene	U		0.337	1.00
2-Hexanone	U		0.787	5.00
n-Hexane	U		0.749	5.00
Iodomethane	U		0.554	5.00
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,3-Trimethylbenzene	U		0.104	0.500
1,2,4-Trimethylbenzene	U		0.322	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl acetate	U		0.692	5.00
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	*97.4*			*80.0-120*
(S) 4-Bromofluorobenzene	*93.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3717809-1 10/14/21 19:58 • (LCSD) R3717809-2 10/14/21 20:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	24.8	32.4	99.2	130	19.0-160			26.6	27
Acrylonitrile	25.0	26.2	26.1	105	104	55.0-149			0.382	20
Benzene	5.00	6.19	6.10	124	122	70.0-123	J4		1.46	20
Bromobenzene	5.00	4.71	4.59	94.2	91.8	73.0-121			2.58	20
Bromodichloromethane	5.00	5.93	5.95	119	119	75.0-120			0.337	20
Bromochloromethane	5.00	5.33	5.67	107	113	76.0-122			6.18	20
Bromoform	5.00	4.42	4.47	88.4	89.4	68.0-132			1.12	20
Bromomethane	5.00	6.76	7.22	135	144	10.0-160			6.58	25
n-Butylbenzene	5.00	5.01	5.03	100	101	73.0-125			0.398	20
sec-Butylbenzene	5.00	4.95	4.93	99.0	98.6	75.0-125			0.405	20
tert-Butylbenzene	5.00	4.67	4.56	93.4	91.2	76.0-124			2.38	20
Carbon disulfide	5.00	5.23	5.54	105	111	61.0-128			5.76	20
Carbon tetrachloride	5.00	5.74	5.99	115	120	68.0-126			4.26	20
Chlorobenzene	5.00	5.01	5.05	100	101	80.0-121			0.795	20
Chlorodibromomethane	5.00	4.76	4.85	95.2	97.0	77.0-125			1.87	20
Chloroethane	5.00	5.81	6.21	116	124	47.0-150			6.66	20
2-Chloroethyl vinyl ether	25.0	28.7	23.9	115	95.6	51.0-160			18.3	20
Chloroform	5.00	6.09	6.50	122	130	73.0-120	J4	J4	6.51	20
Chloromethane	5.00	5.35	5.88	107	118	41.0-142			9.44	20
2-Chlorotoluene	5.00	4.63	4.53	92.6	90.6	76.0-123			2.18	20
4-Chlorotoluene	5.00	4.73	4.60	94.6	92.0	75.0-122			2.79	20
1,2-Dibromo-3-Chloropropane	5.00	3.08	3.42	61.6	68.4	58.0-134			10.5	20
1,2-Dibromoethane	5.00	4.72	4.51	94.4	90.2	80.0-122			4.55	20
Dibromomethane	5.00	6.10	6.08	122	122	80.0-120	J4	J4	0.328	20
1,2-Dichlorobenzene	5.00	5.00	5.14	100	103	79.0-121			2.76	20
1,3-Dichlorobenzene	5.00	4.94	5.03	98.8	101	79.0-120			1.81	20
1,4-Dichlorobenzene	5.00	4.85	4.98	97.0	99.6	79.0-120			2.64	20
trans-1,4-Dichloro-2-butene	5.00	4.18	4.14	83.6	82.8	33.0-144			0.962	20
Dichlorodifluoromethane	5.00	6.02	6.37	120	127	51.0-149			5.65	20
1,1-Dichloroethane	5.00	5.53	5.78	111	116	70.0-126			4.42	20
1,2-Dichloroethane	5.00	5.23	5.30	105	106	70.0-128			1.33	20
1,1-Dichloroethene	5.00	5.51	5.95	110	119	71.0-124			7.68	20
cis-1,2-Dichloroethene	5.00	5.64	5.86	113	117	73.0-120			3.83	20
trans-1,2-Dichloroethene	5.00	5.75	6.24	115	125	73.0-120		J4	8.17	20
1,2-Dichloropropane	5.00	5.93	5.66	119	113	77.0-125			4.66	20
1,1-Dichloropropene	5.00	5.67	5.66	113	113	74.0-126			0.177	20
1,3-Dichloropropane	5.00	5.05	4.59	101	91.8	80.0-120			9.54	20
cis-1,3-Dichloropropene	5.00	5.56	5.34	111	107	80.0-123			4.04	20
trans-1,3-Dichloropropene	5.00	4.80	4.55	96.0	91.0	78.0-124			5.35	20
2,2-Dichloropropane	5.00	6.67	7.01	133	140	58.0-130	J4	J4	4.97	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3717809-1 10/14/21 19:58 • (LCSD) R3717809-2 10/14/21 20:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	5.00	5.70	5.88	114	118	58.0-138			3.11	20
Ethylbenzene	5.00	5.09	5.03	102	101	79.0-123			1.19	20
Hexachloro-1,3-butadiene	5.00	4.50	5.07	90.0	101	54.0-138			11.9	20
2-Hexanone	25.0	22.5	21.8	90.0	87.2	67.0-149			3.16	20
n-Hexane	5.00	5.80	5.47	116	109	57.0-133			5.86	20
Iodomethane	25.0	27.1	29.3	108	117	33.0-147			7.80	26
Isopropylbenzene	5.00	5.18	5.35	104	107	76.0-127			3.23	20
p-Isopropyltoluene	5.00	4.67	4.69	93.4	93.8	76.0-125			0.427	20
2-Butanone (MEK)	25.0	26.8	24.0	107	96.0	44.0-160			11.0	20
Methylene Chloride	5.00	5.52	5.92	110	118	67.0-120			6.99	20
4-Methyl-2-pentanone (MIBK)	25.0	24.0	23.5	96.0	94.0	68.0-142			2.11	20
Methyl tert-butyl ether	5.00	5.39	5.69	108	114	68.0-125			5.42	20
Naphthalene	5.00	2.83	3.32	56.6	66.4	54.0-135			15.9	20
n-Propylbenzene	5.00	4.87	4.79	97.4	95.8	77.0-124			1.66	20
Styrene	5.00	4.85	4.82	97.0	96.4	73.0-130			0.620	20
1,1,1,2-Tetrachloroethane	5.00	5.60	5.77	112	115	75.0-125			2.99	20
1,1,2,2-Tetrachloroethane	5.00	4.75	4.69	95.0	93.8	65.0-130			1.27	20
Tetrachloroethene	5.00	5.37	5.56	107	111	72.0-132			3.48	20
Toluene	5.00	5.37	5.34	107	107	79.0-120			0.560	20
1,1,2-Trichlorotrifluoroethane	5.00	5.81	6.33	116	127	69.0-132			8.57	20
1,2,3-Trichlorobenzene	5.00	3.52	3.86	70.4	77.2	50.0-138			9.21	20
1,2,4-Trichlorobenzene	5.00	5.28	5.27	106	105	57.0-137			0.190	20
1,1,1-Trichloroethane	5.00	6.56	6.96	131	139	73.0-124	J4	J4	5.92	20
1,1,2-Trichloroethane	5.00	5.42	5.16	108	103	80.0-120			4.91	20
Trichloroethene	5.00	5.74	5.70	115	114	78.0-124			0.699	20
Trichlorofluoromethane	5.00	6.34	6.93	127	139	59.0-147			8.89	20
1,2,3-Trichloropropane	5.00	4.16	4.31	83.2	86.2	73.0-130			3.54	20
1,2,3-Trimethylbenzene	5.00	4.58	4.65	91.6	93.0	77.0-120			1.52	20
1,2,4-Trimethylbenzene	5.00	4.66	4.63	93.2	92.6	76.0-121			0.646	20
1,3,5-Trimethylbenzene	5.00	4.57	4.57	91.4	91.4	76.0-122			0.000	20
Vinyl acetate	25.0	31.6	29.6	126	118	11.0-160			6.54	20
Vinyl chloride	5.00	6.24	6.64	125	133	67.0-131		J4	6.21	20
Xylenes, Total	15.0	15.2	15.6	101	104	79.0-123			2.60	20
(S) Toluene-d8				*96.8*	*95.9*	*80.0-120*				
(S) 4-Bromofluorobenzene				*94.2*	*99.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*110*	*108*	*70.0-130*				

Method Blank (MB)

(MB) R3719296-2 10/18/21 14:49

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Chloroform	U		0.111	0.500
(S) Toluene-d8	*115*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3719296-1 10/18/21 13:23

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloroform	5.00	5.35	107	73.0-120	
(S) Toluene-d8			*113*	*80.0-120*	
(S) 4-Bromofluorobenzene			*99.7*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*105*	*70.0-130*	

Method Blank (MB)

(MB) R3720001-3 10/21/21 20:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	25.0
Acrylonitrile	U		0.671	5.00
Benzene	U		0.0941	0.500
Bromobenzene	U		0.118	0.500
Bromodichloromethane	U		0.136	0.500
Bromochloromethane	U		0.128	0.500
Bromoform	U		0.129	0.500
Bromomethane	U		0.605	2.50
n-Butylbenzene	U		0.157	0.500
sec-Butylbenzene	U		0.125	0.500
tert-Butylbenzene	U		0.127	0.500
Carbon disulfide	U		0.0962	0.500
Carbon tetrachloride	U		0.128	0.500
Chlorobenzene	U		0.117	0.500
Chlorodibromomethane	U		0.140	0.500
Chloroethane	U		0.192	2.50
2-Chloroethyl vinyl ether	U		0.575	50.0
Chloroform	U		0.111	0.500
Chloromethane	U		0.960	1.25
2-Chlorotoluene	U		0.106	0.500
4-Chlorotoluene	U		0.114	0.500
1,2-Dibromo-3-Chloropropane	U		0.276	2.50
1,2-Dibromoethane	U		0.126	0.500
Dibromomethane	U		0.122	0.500
1,2-Dichlorobenzene	U		0.107	0.500
1,3-Dichlorobenzene	U		0.299	0.500
1,4-Dichlorobenzene	U		0.120	0.500
Dichlorodifluoromethane	U		0.374	2.50
1,1-Dichloroethane	U		0.100	0.500
1,2-Dichloroethane	U		0.0819	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.126	0.500
trans-1,2-Dichloroethene	U		0.149	0.500
1,2-Dichloropropane	U		0.149	0.500
1,1-Dichloropropene	U		0.142	0.500
1,3-Dichloropropane	U		0.109	1.00
cis-1,3-Dichloropropene	U		0.111	0.500
trans-1,3-Dichloropropene	U		0.118	0.500
trans-1,4-Dichloro-2-butene	U		0.467	5.00
2,2-Dichloropropane	U		0.161	0.500

Method Blank (MB)

(MB) R3720001-3 10/21/21 20:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.105	0.500
Ethylbenzene	U		0.137	0.500
Hexachloro-1,3-butadiene	U		0.337	1.00
2-Hexanone	U		0.787	5.00
n-Hexane	U		0.749	5.00
Iodomethane	U		0.554	5.00
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	0.581	J	0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	0.500
1,2,3-Trimethylbenzene	U		0.104	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl acetate	U		0.692	5.00
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	*99.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3720001-1 10/21/21 19:21 • (LCSD) R3720001-2 10/21/21 19:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	34.7	34.0	139	136	19.0-160			2.04	27
Acrylonitrile	25.0	27.7	26.6	111	106	55.0-149			4.05	20
Benzene	5.00	5.35	4.62	107	92.4	70.0-123			14.6	20
Bromobenzene	5.00	5.46	4.87	109	97.4	73.0-121			11.4	20
Bromodichloromethane	5.00	5.53	4.92	111	98.4	75.0-120			11.7	20
Bromochloromethane	5.00	5.31	4.78	106	95.6	76.0-122			10.5	20
Bromoform	5.00	4.85	4.47	97.0	89.4	68.0-132			8.15	20
Bromomethane	5.00	5.14	4.78	103	95.6	10.0-160			7.26	25
n-Butylbenzene	5.00	5.91	5.48	118	110	73.0-125			7.55	20
sec-Butylbenzene	5.00	5.89	5.34	118	107	75.0-125			9.80	20
tert-Butylbenzene	5.00	5.35	4.91	107	98.2	76.0-124			8.58	20
Carbon disulfide	5.00	5.01	4.60	100	92.0	61.0-128			8.53	20
Carbon tetrachloride	5.00	5.21	4.87	104	97.4	68.0-126			6.75	20
Chlorobenzene	5.00	4.97	4.70	99.4	94.0	80.0-121			5.58	20
Chlorodibromomethane	5.00	5.23	4.57	105	91.4	77.0-125			13.5	20
Chloroethane	5.00	6.38	5.77	128	115	47.0-150			10.0	20
2-Chloroethyl vinyl ether	25.0	26.8	25.2	107	101	51.0-160			6.15	20
Chloroform	5.00	5.49	4.97	110	99.4	73.0-120			9.94	20
Chloromethane	5.00	5.69	5.12	114	102	41.0-142			10.5	20
2-Chlorotoluene	5.00	5.80	5.22	116	104	76.0-123			10.5	20
4-Chlorotoluene	5.00	5.45	4.92	109	98.4	75.0-122			10.2	20
1,2-Dibromo-3-Chloropropane	5.00	5.34	4.93	107	98.6	58.0-134			7.98	20
1,2-Dibromoethane	5.00	5.00	4.82	100	96.4	80.0-122			3.67	20
Dibromomethane	5.00	5.34	4.96	107	99.2	80.0-120			7.38	20
1,2-Dichlorobenzene	5.00	5.59	5.21	112	104	79.0-121			7.04	20
1,3-Dichlorobenzene	5.00	6.09	5.31	122	106	79.0-120	J4		13.7	20
1,4-Dichlorobenzene	5.00	5.30	4.91	106	98.2	79.0-120			7.64	20
Dichlorodifluoromethane	5.00	5.35	5.17	107	103	51.0-149			3.42	20
1,1-Dichloroethane	5.00	5.57	4.98	111	99.6	70.0-126			11.2	20
1,2-Dichloroethane	5.00	5.88	5.33	118	107	70.0-128			9.81	20
1,1-Dichloroethene	5.00	5.27	4.85	105	97.0	71.0-124			8.30	20
cis-1,2-Dichloroethene	5.00	5.23	5.01	105	100	73.0-120			4.30	20
trans-1,2-Dichloroethene	5.00	4.92	4.63	98.4	92.6	73.0-120			6.07	20
1,2-Dichloropropane	5.00	5.39	4.87	108	97.4	77.0-125			10.1	20
1,1-Dichloropropene	5.00	5.29	4.89	106	97.8	74.0-126			7.86	20
1,3-Dichloropropane	5.00	5.76	4.78	115	95.6	80.0-120			18.6	20
cis-1,3-Dichloropropene	5.00	5.26	4.81	105	96.2	80.0-123			8.94	20
trans-1,3-Dichloropropene	5.00	4.93	4.69	98.6	93.8	78.0-124			4.99	20
trans-1,4-Dichloro-2-butene	5.00	1.24	3.22	24.8	64.4	33.0-144	J4	J3	88.8	20
2,2-Dichloropropane	5.00	5.45	4.80	109	96.0	58.0-130			12.7	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3720001-1 10/21/21 19:21 • (LCSD) R3720001-2 10/21/21 19:55

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	5.00	5.47	5.00	109	100	58.0-138			8.98	20
Ethylbenzene	5.00	5.23	4.67	105	93.4	79.0-123			11.3	20
Hexachloro-1,3-butadiene	5.00	6.22	5.58	124	112	54.0-138			10.8	20
2-Hexanone	25.0	27.4	25.7	110	103	67.0-149			6.40	20
n-Hexane	5.00	5.32	5.04	106	101	57.0-133			5.41	20
Iodomethane	25.0	24.4	22.4	97.6	89.6	33.0-147			8.55	26
Isopropylbenzene	5.00	5.16	4.65	103	93.0	76.0-127			10.4	20
p-Isopropyltoluene	5.00	5.72	5.39	114	108	76.0-125			5.94	20
2-Butanone (MEK)	25.0	31.8	29.4	127	118	44.0-160			7.84	20
Methylene Chloride	5.00	5.22	4.98	104	99.6	67.0-120			4.71	20
4-Methyl-2-pentanone (MIBK)	25.0	28.5	26.9	114	108	68.0-142			5.78	20
Methyl tert-butyl ether	5.00	5.44	4.90	109	98.0	68.0-125			10.4	20
Naphthalene	5.00	4.88	4.76	97.6	95.2	54.0-135			2.49	20
n-Propylbenzene	5.00	5.64	5.10	113	102	77.0-124			10.1	20
Styrene	5.00	5.10	4.96	102	99.2	73.0-130			2.78	20
1,1,1,2-Tetrachloroethane	5.00	5.13	4.90	103	98.0	75.0-125			4.59	20
1,1,2,2-Tetrachloroethane	5.00	5.40	4.69	108	93.8	65.0-130			14.1	20
1,1,2-Trichlorotrifluoroethane	5.00	5.06	4.58	101	91.6	69.0-132			9.96	20
Tetrachloroethene	5.00	5.16	5.06	103	101	72.0-132			1.96	20
Toluene	5.00	4.99	4.70	99.8	94.0	79.0-120			5.99	20
1,2,3-Trichlorobenzene	5.00	5.76	5.10	115	102	50.0-138			12.2	20
1,2,4-Trichlorobenzene	5.00	5.83	5.14	117	103	57.0-137			12.6	20
1,1,1-Trichloroethane	5.00	5.31	4.99	106	99.8	73.0-124			6.21	20
1,1,2-Trichloroethane	5.00	5.62	5.00	112	100	80.0-120			11.7	20
Trichloroethene	5.00	5.42	4.94	108	98.8	78.0-124			9.27	20
Trichlorofluoromethane	5.00	5.40	5.29	108	106	59.0-147			2.06	20
1,2,3-Trichloropropane	5.00	5.94	4.94	119	98.8	73.0-130			18.4	20
1,2,4-Trimethylbenzene	5.00	5.55	5.06	111	101	76.0-121			9.24	20
1,2,3-Trimethylbenzene	5.00	5.48	5.05	110	101	77.0-120			8.17	20
1,3,5-Trimethylbenzene	5.00	5.77	5.20	115	104	76.0-122			10.4	20
Vinyl acetate	25.0	17.6	15.6	70.4	62.4	11.0-160			12.0	20
Vinyl chloride	5.00	5.86	5.37	117	107	67.0-131			8.73	20
Xylenes, Total	15.0	15.4	14.2	103	94.7	79.0-123			8.11	20
(S) Toluene-d8				*99.6*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*102*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*103*	*105*	*70.0-130*				

L1415506-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415506-04 10/21/21 21:57 • (MS) R3720001-4 10/22/21 06:08 • (MSD) R3720001-5 10/22/21 06:29

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	U	38.3	31.9	153	128	1	10.0-160			18.2	35
Acrylonitrile	25.0	U	35.0	28.2	140	113	1	21.0-160			21.5	32
Benzene	5.00	U	6.20	5.07	124	101	1	17.0-158			20.1	27
Bromobenzene	5.00	U	6.38	4.85	128	97.0	1	30.0-149			27.2	28
Bromodichloromethane	5.00	U	6.49	5.17	130	103	1	31.0-150			22.6	27
Bromochloromethane	5.00	U	5.73	5.02	115	100	1	38.0-142			13.2	26
Bromoform	5.00	U	5.72	4.67	114	93.4	1	29.0-150			20.2	29
Bromomethane	5.00	U	6.00	4.86	120	97.2	1	10.0-160			21.0	38
n-Butylbenzene	5.00	U	6.73	5.28	135	106	1	31.0-150			24.1	30
sec-Butylbenzene	5.00	U	7.04	5.45	141	109	1	33.0-155			25.5	29
tert-Butylbenzene	5.00	U	6.34	5.11	127	102	1	34.0-153			21.5	28
Carbon disulfide	5.00	0.110	4.77	3.85	93.2	74.8	1	10.0-156			21.3	28
Carbon tetrachloride	5.00	U	6.74	5.46	135	109	1	23.0-159			21.0	28
Chlorobenzene	5.00	U	5.93	5.23	119	105	1	33.0-152			12.5	27
Chlorodibromomethane	5.00	U	6.21	4.90	124	98.0	1	37.0-149			23.6	27
Chloroethane	5.00	U	7.37	6.11	147	122	1	10.0-160			18.7	30
2-Chloroethyl vinyl ether	25.0	U	U	U	0.000	0.000	1	10.0-160	J6	J6	0.000	31
Chloroform	5.00	U	6.40	5.18	128	104	1	29.0-154			21.1	28
Chloromethane	5.00	U	6.16	5.22	123	104	1	10.0-160			16.5	29
2-Chlorotoluene	5.00	U	6.71	5.08	134	102	1	32.0-153			27.7	28
4-Chlorotoluene	5.00	U	6.01	4.56	120	91.2	1	32.0-150			27.4	28
1,2-Dibromo-3-Chloropropane	5.00	U	5.59	5.05	112	101	1	22.0-151			10.2	34
1,2-Dibromoethane	5.00	U	6.46	5.39	129	108	1	34.0-147			18.1	27
Dibromomethane	5.00	U	6.17	4.97	123	99.4	1	30.0-151			21.5	27
1,2-Dichlorobenzene	5.00	U	6.47	5.35	129	107	1	34.0-149			19.0	28
1,3-Dichlorobenzene	5.00	U	7.05	5.27	141	105	1	36.0-146		J3	28.9	27
1,4-Dichlorobenzene	5.00	U	6.06	4.78	121	95.6	1	35.0-142			23.6	27
Dichlorodifluoromethane	5.00	U	5.91	5.78	118	116	1	10.0-160			2.22	29
1,1-Dichloroethane	5.00	U	6.65	5.15	133	103	1	25.0-158			25.4	27
1,2-Dichloroethane	5.00	U	6.43	5.42	129	108	1	29.0-151			17.0	27
1,1-Dichloroethene	5.00	U	6.20	5.03	124	101	1	11.0-160			20.8	29
cis-1,2-Dichloroethene	5.00	U	6.31	4.91	126	98.2	1	10.0-160			25.0	27
trans-1,2-Dichloroethene	5.00	U	5.56	4.71	111	94.2	1	17.0-153			16.6	27
1,2-Dichloropropane	5.00	U	6.80	5.57	136	111	1	30.0-156			19.9	27
1,1-Dichloropropene	5.00	U	6.34	5.03	127	101	1	25.0-158			23.0	27
1,3-Dichloropropane	5.00	U	6.42	5.16	128	103	1	38.0-147			21.8	27
cis-1,3-Dichloropropene	5.00	U	5.93	4.78	119	95.6	1	34.0-149			21.5	28
trans-1,3-Dichloropropene	5.00	U	5.70	4.74	114	94.8	1	32.0-149			18.4	28
trans-1,4-Dichloro-2-butene	5.00	U	1.27	1.33	25.4	26.6	1	10.0-157			4.62	37
2,2-Dichloropropane	5.00	U	7.36	5.78	147	116	1	24.0-152			24.0	29

L1415506-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415506-04 10/21/21 21:57 • (MS) R3720001-4 10/22/21 06:08 • (MSD) R3720001-5 10/22/21 06:29

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	5.00	U	6.64	5.23	133	105	1	21.0-160			23.8	28
Ethylbenzene	5.00	U	6.42	5.26	128	105	1	30.0-155			19.9	27
Hexachloro-1,3-butadiene	5.00	U	7.44	6.34	149	127	1	20.0-154			16.0	34
2-Hexanone	25.0	U	33.7	27.2	135	109	1	21.0-160			21.3	29
n-Hexane	5.00	U	5.04	4.45	101	89.0	1	10.0-153			12.4	28
Iodomethane	25.0	U	27.2	22.4	109	89.6	1	10.0-160			19.4	40
Isopropylbenzene	5.00	U	6.46	5.35	129	107	1	28.0-157			18.8	27
p-Isopropyltoluene	5.00	U	6.78	5.32	136	106	1	30.0-154			24.1	29
2-Butanone (MEK)	25.0	U	36.1	29.4	144	118	1	10.0-160			20.5	32
Methylene Chloride	5.00	U	6.07	5.10	121	102	1	23.0-144			17.4	28
4-Methyl-2-pentanone (MIBK)	25.0	U	34.0	27.6	136	110	1	29.0-160			20.8	29
Methyl tert-butyl ether	5.00	U	6.39	4.80	128	96.0	1	28.0-150			28.4	29
Naphthalene	5.00	U	5.91	4.92	118	98.4	1	12.0-156			18.3	35
n-Propylbenzene	5.00	U	6.42	4.97	128	99.4	1	31.0-154			25.5	28
Styrene	5.00	U	6.12	5.10	122	102	1	33.0-155			18.2	28
1,1,1,2-Tetrachloroethane	5.00	U	6.27	5.38	125	108	1	36.0-151			15.3	29
1,1,2,2-Tetrachloroethane	5.00	U	6.24	5.04	125	101	1	33.0-150			21.3	28
1,1,2-Trichlorotrifluoroethane	5.00	U	5.56	5.11	111	102	1	23.0-160			8.43	30
Tetrachloroethene	5.00	U	6.19	4.69	124	93.8	1	10.0-160		J3	27.6	27
Toluene	5.00	U	6.08	4.88	122	97.6	1	26.0-154			21.9	28
1,2,3-Trichlorobenzene	5.00	U	6.07	5.02	121	100	1	17.0-150			18.9	36
1,2,4-Trichlorobenzene	5.00	U	6.21	4.94	124	98.8	1	24.0-150			22.8	33
1,1,1-Trichloroethane	5.00	U	6.73	5.50	135	110	1	23.0-160			20.1	28
1,1,2-Trichloroethane	5.00	U	6.68	5.46	134	109	1	35.0-147			20.1	27
Trichloroethene	5.00	U	5.94	5.01	119	100	1	10.0-160			17.0	25
Trichlorofluoromethane	5.00	U	7.25	5.69	145	114	1	17.0-160			24.1	31
1,2,3-Trichloropropane	5.00	U	6.19	5.18	124	104	1	34.0-151			17.8	29
1,2,4-Trimethylbenzene	5.00	U	6.44	5.15	129	103	1	26.0-154			22.3	27
1,2,3-Trimethylbenzene	5.00	U	6.15	5.12	123	102	1	32.0-149			18.3	28
1,3,5-Trimethylbenzene	5.00	U	6.56	4.99	131	99.8	1	28.0-153		J3	27.2	27
Vinyl acetate	25.0	U	34.4	28.6	138	114	1	12.0-160			18.4	31
Vinyl chloride	5.00	U	6.61	5.44	132	109	1	10.0-160			19.4	27
Xylenes, Total	15.0	U	19.6	15.8	131	105	1	29.0-154			21.5	28
(S) Toluene-d8					*105*	*105*		*80.0-120*				
(S) 4-Bromofluorobenzene					*99.5*	*102*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*102*	*105*		*70.0-130*				

Method Blank (MB)

(MB) R3716045-3 10/12/21 16:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,4-Dioxane	U		0.0447	0.400
(S) Nitrobenzene-d5	*53.2*			*10.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3716045-1 10/12/21 16:10 • (LCSD) R3716045-2 10/12/21 16:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,4-Dioxane	50.0	47.3	46.3	94.6	92.6	73.0-146			2.14	20
(S) Nitrobenzene-d5				*55.1*	*50.0*	*10.0-120*				

Method Blank (MB)

(MB) R3716570-2 10/13/21 15:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bis(2-chlorethoxy)methane	U		0.116	5.00
Bis(2-chloroethyl)ether	U		0.137	1.00
2,2-oxybis(1-chloropropane)	U		0.210	5.00
4-Bromophenyl-phenylether	U		0.0877	10.0
Carbazole	U		0.111	10.0
4-Chlorophenyl-phenylether	U		0.0926	10.0
3,3-Dichlorobenzidine	U		0.212	10.0
2,4-Dinitrotoluene	U		0.0983	5.00
2,6-Dinitrotoluene	U		0.250	5.00
Hexachloro-1,3-butadiene	U		0.0968	10.0
Hexachlorocyclopentadiene	U		0.0598	5.00
Hexachloroethane	U		0.127	5.00
Isophorone	U		0.143	10.0
Nitrobenzene	U		0.297	10.0
n-Nitrosodiphenylamine	U		2.37	10.0
n-Nitrosodi-n-propylamine	U		0.261	10.0
Benzylbutyl phthalate	U		0.765	3.00
Bis(2-ethylhexyl)phthalate	U		0.895	3.00
Di-n-butyl phthalate	U		0.453	3.00
Diethyl phthalate	U		0.287	3.00
Dimethyl phthalate	U		0.260	3.00
Di-n-octyl phthalate	U		0.932	3.00
4-Chloroaniline	U		0.234	5.00
4-Chloro-3-methylphenol	U		0.131	1.00
2-Chlorophenol	U		0.133	1.00
2-Nitrophenol	U		0.117	10.0
4-Nitrophenol	U		0.143	10.0
Pentachlorophenol	U		0.313	1.00
Phenol	U		4.33	10.0
2,4,6-Trichlorophenol	U		0.100	1.00
2,4-Dichlorophenol	U		0.102	5.00
2,4-Dimethylphenol	U		0.0636	10.0
4,6-Dinitro-2-methylphenol	U		1.12	10.0
2,4-Dinitrophenol	U		5.93	10.0
2-Methylphenol	U		0.0929	1.00
3&4-Methyl Phenol	U		0.168	1.00
2-Nitroaniline	U		0.102	10.0
3-Nitroaniline	U		0.0869	5.00
4-Nitroaniline	U		0.0910	5.00
Acetophenone	U		0.208	10.0

Method Blank (MB)

(MB) R3716570-2 10/13/21 15:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0
2,4,5-Trichlorophenol	U		0.109	1.00
Biphenyl	U		0.790	10.0
Atrazine	U		0.255	10.0
Benzaldehyde	U		1.69	10.0
Caprolactam	U		0.309	10.0
(S) Nitrobenzene-d5	*44.6*			*10.0-127*
(S) 2-Fluorobiphenyl	*55.6*			*10.0-130*
(S) p-Terphenyl-d14	*50.3*			*10.0-128*
(S) Phenol-d5	*18.1*			*10.0-120*
(S) 2-Fluorophenol	*26.5*			*10.0-120*
(S) 2,4,6-Tribromophenol	*46.5*			*10.0-155*

Laboratory Control Sample (LCS)

(LCS) R3716570-1 10/13/21 15:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Biphenyl	50.0	25.2	50.4	38.0-120	
Bis(2-chlorethoxy)methane	50.0	22.5	45.0	33.0-120	
Bis(2-chloroethyl)ether	50.0	21.6	43.2	23.0-120	
2,2-oxybis(1-chloropropane)	50.0	20.9	41.8	28.0-120	
4-Bromophenyl-phenylether	50.0	26.1	52.2	45.0-120	
Carbazole	50.0	32.3	64.6	51.0-122	
4-Chlorophenyl-phenylether	50.0	29.4	58.8	44.0-120	
3,3-Dichlorobenzidine	100	64.5	64.5	44.0-120	
2,4-Dinitrotoluene	50.0	35.2	70.4	49.0-124	
2,6-Dinitrotoluene	50.0	30.8	61.6	46.0-120	
Hexachloro-1,3-butadiene	50.0	23.5	47.0	19.0-120	
Hexachlorocyclopentadiene	50.0	15.9	31.8	15.0-120	
Hexachloroethane	50.0	19.3	38.6	15.0-120	
Isophorone	50.0	22.5	45.0	36.0-120	
Nitrobenzene	50.0	22.6	45.2	27.0-120	
n-Nitrosodiphenylamine	50.0	25.4	50.8	47.0-120	
n-Nitrosodi-n-propylamine	50.0	23.2	46.4	31.0-120	
Benzylbutyl phthalate	50.0	30.2	60.4	43.0-121	
Bis(2-ethylhexyl)phthalate	50.0	28.6	57.2	43.0-122	
Di-n-butyl phthalate	50.0	32.7	65.4	49.0-121	
Diethyl phthalate	50.0	31.1	62.2	48.0-122	

Laboratory Control Sample (LCS)

(LCS) R3716570-1 10/13/21 15:21

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dimethyl phthalate	50.0	29.5	59.0	48.0-120	
Di-n-octyl phthalate	50.0	30.3	60.6	42.0-125	
4-Chloroaniline	50.0	21.2	42.4	25.0-120	
4-Chloro-3-methylphenol	50.0	21.1	42.2	40.0-120	
2-Chlorophenol	50.0	17.8	35.6	25.0-120	
2,4-Dichlorophenol	50.0	22.6	45.2	36.0-120	
2,4-Dimethylphenol	50.0	20.4	40.8	33.0-120	
4,6-Dinitro-2-methylphenol	50.0	42.3	84.6	38.0-138	
2,4-Dinitrophenol	50.0	38.3	76.6	10.0-120	
2-Methylphenol	50.0	16.7	33.4	28.0-120	
3&4-Methyl Phenol	50.0	18.2	36.4	31.0-120	
2-Nitroaniline	50.0	29.1	58.2	43.0-120	
3-Nitroaniline	50.0	28.8	57.6	38.0-120	
4-Nitroaniline	50.0	32.2	64.4	18.0-160	
2-Nitrophenol	50.0	23.7	47.4	31.0-120	
4-Nitrophenol	50.0	12.5	25.0	10.0-120	
Pentachlorophenol	50.0	34.1	68.2	23.0-120	
Phenol	50.0	8.81	17.6	10.0-120	
2,4,6-Trichlorophenol	50.0	27.8	55.6	42.0-120	
Acetophenone	50.0	24.8	49.6	29.0-120	
1,2,4,5-Tetrachlorobenzene	50.0	32.0	64.0	31.0-121	
2,4,5-Trichlorophenol	50.0	27.6	55.2	44.0-120	
Atrazine	50.0	39.1	78.2	39.0-141	
Benzaldehyde	50.0	53.0	106	10.0-160	
Caprolactam	50.0	14.2	28.4	10.0-120	
(S) Nitrobenzene-d5			*39.0*	*10.0-127*	
(S) 2-Fluorobiphenyl			*55.4*	*10.0-130*	
(S) p-Terphenyl-d14			*55.2*	*10.0-128*	
(S) Phenol-d5			*18.5*	*10.0-120*	
(S) 2-Fluorophenol			*23.5*	*10.0-120*	
(S) 2,4,6-Tribromophenol			*54.5*	*10.0-155*	

L1415579-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415579-09 10/13/21 19:37 • (MS) R3716570-3 10/13/21 19:58 • (MSD) R3716570-4 10/13/21 20:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Carbazole	45.5	U	23.7	28.8	52.1	63.3	1	38.0-127			19.4	21
Acetophenone	45.5	U	19.7	20.3	43.3	44.6	1	20.0-120			3.00	35

L1415579-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415579-09 10/13/21 19:37 • (MS) R3716570-3 10/13/21 19:58 • (MSD) R3716570-4 10/13/21 20:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Atrazine	45.5	U	29.6	35.6	65.1	78.2	1	39.0-130			18.4	23
Benzaldehyde	45.5	U	43.6	42.0	95.8	92.3	1	10.0-160			3.74	40
Bis(2-ethylhexyl)phthalate	45.5	U	18.9	21.0	41.5	46.2	1	33.0-126			10.5	25
Biphenyl	45.5	U	19.3	19.3	42.4	42.4	1	29.0-120			0.000	33
Bis(2-chlorethoxy)methane	45.5	U	18.3	18.1	40.2	39.8	1	17.0-120			1.10	31
Bis(2-chloroethyl)ether	45.5	U	15.8	16.3	34.7	35.8	1	14.0-120			3.12	33
4-Bromophenyl-phenylether	45.5	U	19.3	20.8	42.4	45.7	1	37.0-120			7.48	24
Caprolactam	45.5	U	10.5	13.3	23.1	29.2	1	10.0-120			23.5	40
4-Chloroaniline	45.5	U	18.1	17.1	39.8	37.6	1	10.0-120			5.68	31
4-Chlorophenyl-phenylether	45.5	U	22.6	23.9	49.7	52.5	1	36.0-120			5.59	23
3,3-Dichlorobenzidine	91.0	U	50.2	56.1	55.2	61.6	1	10.0-134			11.1	30
2,4-Dinitrotoluene	45.5	U	26.0	31.7	57.1	69.7	1	39.0-125			19.8	25
2,6-Dinitrotoluene	45.5	U	23.1	27.0	50.8	59.3	1	36.0-120			15.6	27
Hexachloro-1,3-butadiene	45.5	U	17.5	17.7	38.5	38.9	1	12.0-120			1.14	34
Hexachlorocyclopentadiene	45.5	U	9.32	8.70	20.5	19.1	1	10.0-120			6.88	33
Hexachloroethane	45.5	U	15.3	15.6	33.6	34.3	1	10.0-120			1.94	40
Isophorone	45.5	U	18.2	18.9	40.0	41.5	1	21.0-120			3.77	27
2-Nitroaniline	45.5	U	22.0	24.6	48.4	54.1	1	33.0-120			11.2	27
3-Nitroaniline	45.5	U	23.2	25.0	51.0	54.9	1	20.0-120			7.47	27
4-Nitroaniline	45.5	U	24.4	28.6	53.6	62.9	1	10.0-160			15.8	26
Nitrobenzene	45.5	U	18.7	18.7	41.1	41.1	1	12.0-120			0.000	30
n-Nitrosodiphenylamine	45.5	U	19.8	22.3	43.5	49.0	1	37.0-120			11.9	24
n-Nitrosodi-n-propylamine	45.5	U	18.3	18.6	40.2	40.9	1	16.0-120			1.63	30
Benzylbutyl phthalate	45.5	U	22.8	27.0	50.1	59.3	1	34.0-126			16.9	24
Di-n-butyl phthalate	45.5	U	23.0	27.5	50.5	60.4	1	35.0-128			17.8	23
Diethyl phthalate	45.5	U	23.4	28.1	51.4	61.8	1	39.0-125			18.3	24
Dimethyl phthalate	45.5	U	21.1	24.5	46.4	53.8	1	37.0-120			14.9	24
Di-n-octyl phthalate	45.5	U	20.5	23.0	45.1	50.5	1	25.0-135			11.5	26
4-Chloro-3-methylphenol	45.5	U	12.6	16.2	27.7	35.6	1	26.0-120			25.0	27
2-Chlorophenol	45.5	U	11.6	12.2	25.5	26.8	1	18.0-120			5.04	34
2,4-Dichlorophenol	45.5	U	13.5	15.1	29.7	33.2	1	19.0-120			11.2	27
4,6-Dinitro-2-methylphenol	45.5	U	25.3	33.8	55.6	74.3	1	10.0-144			28.8	39
2,4-Dinitrophenol	45.5	U	22.8	29.9	50.1	65.7	1	10.0-120			26.9	40
4-Nitrophenol	45.5	U	7.65	11.2	16.8	24.6	1	10.0-120			37.7	40
Pentachlorophenol	45.5	U	19.0	25.9	41.8	56.9	1	10.0-128			30.7	37
2,4,5-Trichlorophenol	45.5	U	15.3	18.9	33.6	41.5	1	33.0-120			21.1	31
2,4,6-Trichlorophenol	45.5	U	15.0	18.5	33.0	40.7	1	26.0-120			20.9	31
2-Methylphenol	45.5	U	11.2	11.9	24.6	26.2	1	10.0-120			6.06	30
3&4-Methyl Phenol	45.5	U	11.7	13.0	25.7	28.6	1	10.0-120			10.5	36
2,4-Dimethylphenol	45.5	U	13.1	14.3	28.8	31.4	1	15.0-120			8.76	28

L1415579-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415579-09 10/13/21 19:37 • (MS) R3716570-3 10/13/21 19:58 • (MSD) R3716570-4 10/13/21 20:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2-Nitrophenol	45.5	U	14.6	16.5	32.1	36.3	1	20.0-120			12.2	30
Phenol	45.5	U	8.51	9.45	18.7	20.8	1	10.0-120			10.5	40
1,2,4,5-Tetrachlorobenzene	45.5	U	24.3	24.4	53.4	53.6	1	19.0-122			0.411	32
2,2-Oxybis(1-Chloropropane)	45.5	U	16.9	16.5	37.1	36.3	1	18.0-120			2.40	34
(S) Nitrobenzene-d5					*34.6*	*34.8*		*10.0-127*				
(S) 2-Fluorobiphenyl					*47.7*	*46.6*		*10.0-130*				
(S) p-Terphenyl-d14					*41.3*	*46.8*		*10.0-128*				
(S) Phenol-d5					*12.9*	*14.6*		*10.0-120*				
(S) 2-Fluorophenol					*17.6*	*18.9*		*10.0-120*				
(S) 2,4,6-Tribromophenol					*31.4*	*40.7*		*10.0-155*				

Sample Narrative:

OS: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Method Blank (MB)

(MB) R3717136-2 10/14/21 20:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bis(2-chlorethoxy)methane	U		0.116	5.00
Bis(2-chloroethyl)ether	U		0.137	1.00
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00
4-Bromophenyl-phenylether	U		0.0877	10.0
4-Chlorophenyl-phenylether	U		0.0926	10.0
3,3-Dichlorobenzidine	U		0.212	10.0
2,4-Dinitrotoluene	U		0.0983	5.00
2,6-Dinitrotoluene	U		0.250	5.00
Hexachloro-1,3-butadiene	U		0.0968	10.0
Hexachlorocyclopentadiene	U		0.0598	5.00
Hexachloroethane	U		0.127	5.00
Isophorone	U		0.143	10.0
Nitrobenzene	U		0.297	10.0
n-Nitrosodiphenylamine	U		2.37	10.0
n-Nitrosodi-n-propylamine	U		0.261	10.0
Benzylbutyl phthalate	U		0.765	3.00
Bis(2-ethylhexyl)phthalate	U		0.895	3.00
Di-n-butyl phthalate	U		0.453	3.00
Diethyl phthalate	U		0.287	3.00
Dimethyl phthalate	U		0.260	3.00
Di-n-octyl phthalate	U		0.932	3.00
4-Chloroaniline	U		0.234	5.00
4-Chloro-3-methylphenol	U		0.131	1.00
2-Chlorophenol	U		0.133	1.00
2,4-Dichlorophenol	U		0.102	5.00
2,4-Dimethylphenol	U		0.0636	10.0
4,6-Dinitro-2-methylphenol	U		1.12	10.0
2,4-Dinitrophenol	U		5.93	10.0
2-Methylphenol	U		0.0929	1.00
3&4-Methyl Phenol	U		0.168	1.00
2-Nitroaniline	U		0.102	10.0
3-Nitroaniline	U		0.0869	5.00
4-Nitroaniline	U		0.0910	5.00
2-Nitrophenol	U		0.117	10.0
4-Nitrophenol	U		0.143	10.0
Pentachlorophenol	U		0.313	1.00
Phenol	U		4.33	10.0
2,4,5-Trichlorophenol	U		0.109	1.00
2,4,6-Trichlorophenol	U		0.100	1.00
Acetophenone	U		0.208	10.0

Method Blank (MB)

(MB) R3717136-2 10/14/21 20:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Atrazine	U		0.255	10.0
Benzaldehyde	U		1.69	10.0
Biphenyl	U		0.790	10.0
Caprolactam	U		0.309	10.0
Carbazole	U		0.111	10.0
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0
(S) 2-Fluorophenol	*32.5*			*10.0-120*
(S) Phenol-d5	*20.1*			*10.0-120*
(S) Nitrobenzene-d5	*62.7*			*10.0-127*
(S) 2-Fluorobiphenyl	*61.3*			*10.0-130*
(S) 2,4,6-Tribromophenol	*58.0*			*10.0-155*
(S) p-Terphenyl-d14	*61.2*			*10.0-128*

Laboratory Control Sample (LCS)

(LCS) R3717136-1 10/14/21 19:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bis(2-chlorethoxy)methane	50.0	32.1	64.2	33.0-120	
Bis(2-chloroethyl)ether	50.0	31.2	62.4	23.0-120	
2,2-Oxybis(1-Chloropropane)	50.0	28.4	56.8	28.0-120	
4-Bromophenyl-phenylether	50.0	30.8	61.6	45.0-120	
4-Chlorophenyl-phenylether	50.0	31.5	63.0	44.0-120	
3,3-Dichlorobenzidine	100	62.5	62.5	44.0-120	
2,4-Dinitrotoluene	50.0	36.4	72.8	49.0-124	
2,6-Dinitrotoluene	50.0	31.9	63.8	46.0-120	
Hexachloro-1,3-butadiene	50.0	26.9	53.8	19.0-120	
Hexachlorocyclopentadiene	50.0	22.4	44.8	15.0-120	
Hexachloroethane	50.0	29.9	59.8	15.0-120	
Isophorone	50.0	35.1	70.2	36.0-120	
Nitrobenzene	50.0	32.0	64.0	27.0-120	
n-Nitrosodiphenylamine	50.0	29.5	59.0	47.0-120	
n-Nitrosodi-n-propylamine	50.0	33.3	66.6	31.0-120	
Benzylbutyl phthalate	50.0	43.1	86.2	43.0-121	
Bis(2-ethylhexyl)phthalate	50.0	38.3	76.6	43.0-122	
Di-n-butyl phthalate	50.0	39.7	79.4	49.0-121	
Diethyl phthalate	50.0	35.3	70.6	48.0-122	
Dimethyl phthalate	50.0	34.5	69.0	48.0-120	
Di-n-octyl phthalate	50.0	39.3	78.6	42.0-125	

Laboratory Control Sample (LCS)

(LCS) R3717136-1 10/14/21 19:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chloroaniline	50.0	27.1	54.2	25.0-120	
4-Chloro-3-methylphenol	50.0	32.5	65.0	40.0-120	
2-Chlorophenol	50.0	27.1	54.2	25.0-120	
2,4-Dichlorophenol	50.0	29.9	59.8	36.0-120	
2,4-Dimethylphenol	50.0	29.9	59.8	33.0-120	
4,6-Dinitro-2-methylphenol	50.0	39.6	79.2	38.0-138	
2,4-Dinitrophenol	50.0	36.2	72.4	10.0-120	
2-Methylphenol	50.0	25.8	51.6	28.0-120	
3&4-Methyl Phenol	50.0	26.4	52.8	31.0-120	
2-Nitroaniline	50.0	35.7	71.4	43.0-120	
3-Nitroaniline	50.0	33.2	66.4	38.0-120	
4-Nitroaniline	50.0	34.2	68.4	18.0-160	
2-Nitrophenol	50.0	31.7	63.4	31.0-120	
4-Nitrophenol	50.0	86.1	172	10.0-120	J4
Pentachlorophenol	50.0	28.7	57.4	23.0-120	
Phenol	50.0	12.5	25.0	10.0-120	
2,4,5-Trichlorophenol	50.0	32.1	64.2	44.0-120	
2,4,6-Trichlorophenol	50.0	30.9	61.8	42.0-120	
Acetophenone	50.0	33.7	67.4	29.0-120	
Atrazine	50.0	35.4	70.8	39.0-141	
Benzaldehyde	50.0	72.5	145	10.0-160	
Biphenyl	50.0	31.4	62.8	38.0-120	
Caprolactam	50.0	11.8	23.6	10.0-120	
Carbazole	50.0	36.1	72.2	51.0-122	
1,2,4,5-Tetrachlorobenzene	50.0	33.0	66.0	31.0-121	
(S) 2-Fluorophenol			*33.6*	*10.0-120*	
(S) Phenol-d5			*22.9*	*10.0-120*	
(S) Nitrobenzene-d5			*64.6*	*10.0-127*	
(S) 2-Fluorobiphenyl			*66.3*	*10.0-130*	
(S) 2,4,6-Tribromophenol			*64.5*	*10.0-155*	
(S) p-Terphenyl-d14			*64.3*	*10.0-128*	

L1415506-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415506-04 10/15/21 00:49 • (MS) R3717136-3 10/15/21 01:10 • (MSD) R3717136-4 10/15/21 01:32

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetophenone	50.0	U	20.2	20.1	40.4	40.2	1	20.0-120			0.496	35
Atrazine	50.0	U	32.1	31.3	64.2	62.6	1	39.0-130			2.52	23

L1415506-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415506-04 10/15/21 00:49 • (MS) R3717136-3 10/15/21 01:10 • (MSD) R3717136-4 10/15/21 01:32

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzaldehyde	50.0	U	45.0	45.3	90.0	90.6	1	10.0-160			0.664	40
Biphenyl	50.0	U	19.9	20.2	39.8	40.4	1	29.0-120			1.50	33
Caprolactam	50.0	0.649	9.43	8.72	17.6	16.1	1	10.0-120			7.82	40
Carbazole	50.0	U	31.9	30.5	63.8	61.0	1	38.0-127			4.49	21
1,2,4,5-Tetrachlorobenzene	50.0	U	21.6	21.0	43.2	42.0	1	19.0-122			2.82	32
Bis(2-chlorethoxy)methane	50.0	U	19.3	19.2	38.6	38.4	1	17.0-120			0.519	31
Bis(2-chloroethyl)ether	50.0	U	18.9	19.0	37.8	38.0	1	14.0-120			0.528	33
2,2-Oxybis(1-Chloropropane)	50.0	U	17.4	17.6	34.8	35.2	1	18.0-120			1.14	34
4-Bromophenyl-phenylether	50.0	U	24.0	22.9	48.0	45.8	1	37.0-120			4.69	24
4-Chlorophenyl-phenylether	50.0	U	21.8	21.5	43.6	43.0	1	36.0-120			1.39	23
3,3-Dichlorobenzidine	100	U	49.6	46.9	49.6	46.9	1	10.0-134			5.60	30
2,4-Dinitrotoluene	50.0	U	28.6	26.7	57.2	53.4	1	39.0-125			6.87	25
2,6-Dinitrotoluene	50.0	U	23.3	22.5	46.6	45.0	1	36.0-120			3.49	27
Hexachloro-1,3-butadiene	50.0	U	17.9	17.1	35.8	34.2	1	12.0-120			4.57	34
Hexachlorocyclopentadiene	50.0	U	14.6	15.4	29.2	30.8	1	10.0-120			5.33	33
Hexachloroethane	50.0	U	18.6	18.2	37.2	36.4	1	10.0-120			2.17	40
Isophorone	50.0	U	20.6	20.2	41.2	40.4	1	21.0-120			1.96	27
Nitrobenzene	50.0	U	19.9	19.8	39.8	39.6	1	12.0-120			0.504	30
n-Nitrosodiphenylamine	50.0	U	25.0	23.4	50.0	46.8	1	37.0-120			6.61	24
n-Nitrosodi-n-propylamine	50.0	U	19.3	19.5	38.6	39.0	1	16.0-120			1.03	30
Benzylbutyl phthalate	50.0	U	39.8	37.6	79.6	75.2	1	34.0-126			5.68	24
Bis(2-ethylhexyl)phthalate	50.0	1.02	35.1	33.5	68.2	65.0	1	33.0-126			4.66	25
Di-n-butyl phthalate	50.0	U	35.2	33.7	70.4	67.4	1	35.0-128			4.35	23
Diethyl phthalate	50.0	U	27.4	25.9	54.8	51.8	1	39.0-125			5.63	24
Dimethyl phthalate	50.0	U	23.5	22.6	47.0	45.2	1	37.0-120			3.90	24
Di-n-octyl phthalate	50.0	U	35.3	33.8	70.6	67.6	1	25.0-135			4.34	26
4-Chloroaniline	50.0	U	16.2	17.9	32.4	35.8	1	10.0-120			9.97	31
4-Chloro-3-methylphenol	50.0	U	23.1	21.8	46.2	43.6	1	26.0-120			5.79	27
2-Chlorophenol	50.0	U	16.9	16.3	33.8	32.6	1	18.0-120			3.61	34
2,4-Dichlorophenol	50.0	U	19.7	19.4	39.4	38.8	1	19.0-120			1.53	27
2,4-Dimethylphenol	50.0	U	18.1	16.3	36.2	32.6	1	15.0-120			10.5	28
4,6-Dinitro-2-methylphenol	50.0	U	30.5	28.8	61.0	57.6	1	10.0-144			5.73	39
2,4-Dinitrophenol	50.0	U	24.7	23.2	49.4	46.4	1	10.0-120			6.26	40
2-Methylphenol	50.0	U	16.0	15.0	32.0	30.0	1	10.0-120			6.45	30
3&4-Methyl Phenol	50.0	U	16.0	15.0	32.0	30.0	1	10.0-120			6.45	36
2-Nitroaniline	50.0	U	26.4	25.7	52.8	51.4	1	33.0-120			2.69	27
3-Nitroaniline	50.0	U	25.8	25.3	51.6	50.6	1	20.0-120			1.96	27
4-Nitroaniline	50.0	U	29.5	28.5	59.0	57.0	1	10.0-160			3.45	26
2-Nitrophenol	50.0	U	20.4	19.4	40.8	38.8	1	20.0-120			5.03	30
4-Nitrophenol	50.0	U	59.5	58.0	119	116	1	10.0-120			2.55	40

L1415506-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415506-04 10/15/21 00:49 • (MS) R3717136-3 10/15/21 01:10 • (MSD) R3717136-4 10/15/21 01:32

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Pentachlorophenol	50.0	U	22.9	22.4	45.8	44.8	1	10.0-128			2.21	37
Phenol	50.0	U	7.10	6.90	14.2	13.8	1	10.0-120			2.86	40
2,4,5-Trichlorophenol	50.0	U	24.8	24.2	49.6	48.4	1	33.0-120			2.45	31
2,4,6-Trichlorophenol	50.0	U	20.9	21.0	41.8	42.0	1	26.0-120			0.477	31
(S) 2-Fluorophenol					*20.5*	*18.6*		*10.0-120*				
(S) Phenol-d5					*13.6*	*12.8*		*10.0-120*				
(S) Nitrobenzene-d5					*39.7*	*40.4*		*10.0-127*				
(S) 2-Fluorobiphenyl					*40.9*	*41.7*		*10.0-130*				
(S) 2,4,6-Tribromophenol					*56.0*	*52.0*		*10.0-155*				
(S) p-Terphenyl-d14					*60.3*	*57.2*		*10.0-128*				

L1415579-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415579-05 10/15/21 01:53 • (MS) R3717136-5 10/15/21 02:15 • (MSD) R3717136-6 10/15/21 02:36

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetophenone	50.0	U	33.8	34.5	67.6	69.0	1	20.0-120			2.05	35
Atrazine	50.0	U	33.5	32.6	67.0	65.2	1	39.0-130			2.72	23
Benzaldehyde	50.0	U	72.8	74.1	146	148	1	10.0-160			1.77	40
Biphenyl	50.0	1.76	33.6	33.6	63.7	63.7	1	29.0-120			0.000	33
Caprolactam	50.0	U	11.4	12.5	22.8	25.0	1	10.0-120			9.21	40
Carbazole	50.0	U	35.1	35.4	70.2	70.8	1	38.0-127			0.851	21
1,2,4,5-Tetrachlorobenzene	50.0	U	32.3	33.8	64.6	67.6	1	19.0-122			4.54	32
Bis(2-chlorethoxy)methane	50.0	U	28.7	31.1	57.4	62.2	1	17.0-120			8.03	31
Bis(2-chloroethyl)ether	50.0	U	32.7	32.6	65.4	65.2	1	14.0-120			0.306	33
2,2-Oxybis(1-Chloropropane)	50.0	U	29.2	30.0	58.4	60.0	1	18.0-120			2.70	34
4-Bromophenyl-phenylether	50.0	U	32.2	32.6	64.4	65.2	1	37.0-120			1.23	24
4-Chlorophenyl-phenylether	50.0	U	31.0	32.1	62.0	64.2	1	36.0-120			3.49	23
3,3-Dichlorobenzidine	100	U	28.1	24.4	28.1	24.4	1	10.0-134			14.1	30
2,4-Dinitrotoluene	50.0	U	36.0	35.2	72.0	70.4	1	39.0-125			2.25	25
2,6-Dinitrotoluene	50.0	U	34.6	34.0	69.2	68.0	1	36.0-120			1.75	27
Hexachloro-1,3-butadiene	50.0	U	27.3	29.4	54.6	58.8	1	12.0-120			7.41	34
Hexachlorocyclopentadiene	50.0	U	23.8	25.1	47.6	50.2	1	10.0-120			5.32	33
Hexachloroethane	50.0	U	32.1	33.0	64.2	66.0	1	10.0-120			2.76	40
Isophorone	50.0	U	31.6	32.8	63.2	65.6	1	21.0-120			3.73	27
Nitrobenzene	50.0	U	30.7	32.2	61.4	64.4	1	12.0-120			4.77	30
n-Nitrosodiphenylamine	50.0	U	33.6	33.0	67.2	66.0	1	37.0-120			1.80	24
n-Nitrosodi-n-propylamine	50.0	U	31.8	33.1	63.6	66.2	1	16.0-120			4.01	30
Benzylbutyl phthalate	50.0	U	44.9	43.3	89.8	86.6	1	34.0-126			3.63	24

L1415579-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415579-05 10/15/21 01:53 • (MS) R3717136-5 10/15/21 02:15 • (MSD) R3717136-6 10/15/21 02:36

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bis(2-ethylhexyl)phthalate	50.0	U	39.2	37.4	78.4	74.8	1	33.0-126			4.70	25
Di-n-butyl phthalate	50.0	U	40.1	40.4	80.2	80.8	1	35.0-128			0.745	23
Diethyl phthalate	50.0	U	34.7	35.2	69.4	70.4	1	39.0-125			1.43	24
Dimethyl phthalate	50.0	U	33.0	33.0	66.0	66.0	1	37.0-120			0.000	24
Di-n-octyl phthalate	50.0	U	41.1	39.7	82.2	79.4	1	25.0-135			3.47	26
4-Chloroaniline	50.0	U	22.7	25.8	45.4	51.6	1	10.0-120			12.8	31
4-Chloro-3-methylphenol	50.0	U	30.6	32.2	61.2	64.4	1	26.0-120			5.10	27
2-Chlorophenol	50.0	U	29.8	29.9	59.6	59.8	1	18.0-120			0.335	34
2,4-Dichlorophenol	50.0	U	30.4	31.4	60.8	62.8	1	19.0-120			3.24	27
2,4-Dimethylphenol	50.0	U	30.2	31.3	60.4	62.6	1	15.0-120			3.58	28
4,6-Dinitro-2-methylphenol	50.0	U	33.4	33.4	66.8	66.8	1	10.0-144			0.000	39
2,4-Dinitrophenol	50.0	U	26.4	25.2	52.8	50.4	1	10.0-120			4.65	40
2-Methylphenol	50.0	U	28.6	29.0	57.2	58.0	1	10.0-120			1.39	30
3&4-Methyl Phenol	50.0	U	28.2	27.7	56.4	55.4	1	10.0-120			1.79	36
2-Nitroaniline	50.0	U	37.8	36.8	75.6	73.6	1	33.0-120			2.68	27
3-Nitroaniline	50.0	U	27.7	30.2	55.4	60.4	1	20.0-120			8.64	27
4-Nitroaniline	50.0	U	29.6	29.5	59.2	59.0	1	10.0-160			0.338	26
2-Nitrophenol	50.0	U	31.0	32.6	62.0	65.2	1	20.0-120			5.03	30
4-Nitrophenol	50.0	U	84.0	85.0	168	170	1	10.0-120	J5	J5	1.18	40
Pentachlorophenol	50.0	U	30.6	29.4	61.2	58.8	1	10.0-128			4.00	37
Phenol	50.0	U	18.8	19.4	37.6	38.8	1	10.0-120			3.14	40
2,4,5-Trichlorophenol	50.0	U	35.3	34.6	70.6	69.2	1	33.0-120			2.00	31
2,4,6-Trichlorophenol	50.0	U	31.4	31.4	62.8	62.8	1	26.0-120			0.000	31
(S) 2-Fluorophenol					*36.0*	*35.9*		*10.0-120*				
(S) Phenol-d5					*23.4*	*24.3*		*10.0-120*				
(S) Nitrobenzene-d5					*63.0*	*67.2*		*10.0-127*				
(S) 2-Fluorobiphenyl					*65.1*	*66.1*		*10.0-130*				
(S) 2,4,6-Tribromophenol					*73.5*	*71.5*		*10.0-155*				
(S) p-Terphenyl-d14					*71.4*	*70.4*		*10.0-128*				

Method Blank (MB)

(MB) R3716401-3 10/13/21 17:52

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0171	0.0500
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(g,h,i)perylene	U		0.0184	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Fluoranthene	U		0.0270	0.100
Fluorene	U		0.0169	0.0500
Hexachlorobenzene	U		0.00670	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
Phenanthrene	U		0.0180	0.0500
Pyrene	U		0.0169	0.0500
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
2-Chloronaphthalene	U		0.0682	0.250
Dibenzofuran	U		0.0191	0.0500
(S) Nitrobenzene-d5	*126*			*31.0-160*
(S) 2-Fluorobiphenyl	*125*			*48.0-148*
(S) p-Terphenyl-d14	*160*	J1		*37.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3716401-1 10/13/21 17:18 • (LCSD) R3716401-2 10/13/21 17:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dibenzofuran	2.00	2.33	2.47	117	123	67.0-134			5.83	20
Anthracene	2.00	2.33	2.49	117	124	67.0-150			6.64	20
Acenaphthene	2.00	2.34	2.49	117	124	65.0-138			6.21	20
Acenaphthylene	2.00	2.40	2.57	120	129	66.0-140			6.84	20
Benzo(a)anthracene	2.00	2.46	2.50	123	125	61.0-140			1.61	20
Benzo(a)pyrene	2.00	2.36	2.37	118	118	60.0-143			0.423	20
Benzo(b)fluoranthene	2.00	2.47	2.46	123	123	58.0-141			0.406	20
Benzo(g,h,i)perylene	2.00	2.42	2.41	121	120	52.0-153			0.414	20
Benzo(k)fluoranthene	2.00	2.44	2.43	122	122	58.0-148			0.411	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3716401-1 10/13/21 17:18 • (LCSD) R3716401-2 10/13/21 17:35

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chrysene	2.00	2.43	2.47	122	123	64.0-144			1.63	20
Dibenz(a,h)anthracene	2.00	2.42	2.38	121	119	52.0-155			1.67	20
Fluoranthene	2.00	2.43	2.52	122	126	69.0-153			3.64	20
Fluorene	2.00	2.35	2.46	117	123	64.0-136			4.57	20
Hexachlorobenzene	2.00	2.37	2.54	118	127	40.0-140			6.92	20
Indeno(1,2,3-cd)pyrene	2.00	2.35	2.29	117	115	54.0-153			2.59	20
Naphthalene	2.00	2.26	2.42	113	121	61.0-137			6.84	20
Phenanthrene	2.00	2.43	2.54	122	127	62.0-137			4.43	20
Pyrene	2.00	2.49	2.57	124	129	60.0-142			3.16	20
1-Methylnaphthalene	2.00	2.30	2.47	115	123	66.0-142			7.13	20
2-Methylnaphthalene	2.00	2.14	2.31	107	115	62.0-136			7.64	20
2-Chloronaphthalene	2.00	2.25	2.45	112	122	64.0-140			8.51	20
(S) Nitrobenzene-d5				*129*	*136*	*31.0-160*				
(S) 2-Fluorobiphenyl				*127*	*131*	*48.0-148*				
(S) p-Terphenyl-d14				*160*	*161*	*37.0-146*	J1	J1		

Method Blank (MB)

(MB) R3716214-3 10/13/21 19:20

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0171	0.0500
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(g,h,i)perylene	U		0.0184	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Fluoranthene	U		0.0270	0.100
Fluorene	U		0.0169	0.0500
Hexachlorobenzene	U		0.00670	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
Phenanthrene	U		0.0180	0.0500
Pyrene	U		0.0169	0.0500
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
2-Chloronaphthalene	U		0.0682	0.250
Dibenzofuran	U		0.0191	0.0500
(S) Nitrobenzene-d5	*92.5*			*31.0-160*
(S) 2-Fluorobiphenyl	*115*			*48.0-148*
(S) p-Terphenyl-d14	*143*			*37.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3716214-1 10/13/21 18:40 • (LCSD) R3716214-2 10/13/21 19:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dibenzofuran	2.00	1.91	1.88	95.5	94.0	67.0-134			1.58	20
Anthracene	2.00	1.84	1.89	92.0	94.5	67.0-150			2.68	20
Acenaphthene	2.00	1.81	1.79	90.5	89.5	65.0-138			1.11	20
Acenaphthylene	2.00	1.91	1.85	95.5	92.5	66.0-140			3.19	20
Benzo(a)anthracene	2.00	1.96	2.02	98.0	101	61.0-140			3.02	20
Benzo(a)pyrene	2.00	1.95	2.01	97.5	100	60.0-143			3.03	20
Benzo(b)fluoranthene	2.00	2.01	2.13	100	106	58.0-141			5.80	20
Benzo(g,h,i)perylene	2.00	2.11	2.13	105	106	52.0-153			0.943	20
Benzo(k)fluoranthene	2.00	2.05	2.10	102	105	58.0-148			2.41	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3716214-1 10/13/21 18:40 • (LCSD) R3716214-2 10/13/21 19:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chrysene	2.00	2.06	2.12	103	106	64.0-144			2.87	20
Dibenz(a,h)anthracene	2.00	2.00	2.06	100	103	52.0-155			2.96	20
Fluoranthene	2.00	2.11	2.20	105	110	69.0-153			4.18	20
Fluorene	2.00	1.96	1.96	98.0	98.0	64.0-136			0.000	20
Hexachlorobenzene	2.00	1.83	1.76	91.5	88.0	40.0-140			3.90	20
Indeno(1,2,3-cd)pyrene	2.00	1.94	1.93	97.0	96.5	54.0-153			0.517	20
Naphthalene	2.00	1.67	1.60	83.5	80.0	61.0-137			4.28	20
Phenanthrene	2.00	2.01	2.03	100	102	62.0-137			0.990	20
Pyrene	2.00	2.09	2.15	105	108	60.0-142			2.83	20
1-Methylnaphthalene	2.00	1.81	1.73	90.5	86.5	66.0-142			4.52	20
2-Methylnaphthalene	2.00	1.70	1.62	85.0	81.0	62.0-136			4.82	20
2-Chloronaphthalene	2.00	1.69	1.62	84.5	81.0	64.0-140			4.23	20
(S) Nitrobenzene-d5				*98.0*	*104*	*31.0-160*				
(S) 2-Fluorobiphenyl				*116*	*119*	*48.0-148*				
(S) p-Terphenyl-d14				*134*	*139*	*37.0-146*				

Method Blank (MB)

(MB) R3716940-2 10/14/21 07:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0171	0.0500
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(g,h,i)perylene	U		0.0184	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Fluoranthene	U		0.0270	0.100
Fluorene	U		0.0169	0.0500
Hexachlorobenzene	U		0.00670	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
Phenanthrene	U		0.0180	0.0500
Pyrene	U		0.0169	0.0500
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
2-Chloronaphthalene	U		0.0682	0.250
Dibenzofuran	U		0.0191	0.0500
(S) Nitrobenzene-d5	*113*			*31.0-160*
(S) 2-Fluorobiphenyl	*144*			*48.0-148*
(S) p-Terphenyl-d14	*170*	J1		*37.0-146*

Laboratory Control Sample (LCS)

(LCS) R3716940-1 10/14/21 06:46

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dibenzofuran	2.00	2.57	129	67.0-134	
Anthracene	2.00	2.62	131	67.0-150	
Acenaphthene	2.00	2.61	131	65.0-138	
Acenaphthylene	2.00	2.71	135	66.0-140	
Benzo(a)anthracene	2.00	2.45	122	61.0-140	
Benzo(a)pyrene	2.00	2.28	114	60.0-143	
Benzo(b)fluoranthene	2.00	2.29	115	58.0-141	
Benzo(g,h,i)perylene	2.00	2.00	100	52.0-153	
Benzo(k)fluoranthene	2.00	2.18	109	58.0-148	

Laboratory Control Sample (LCS)

(LCS) R3716940-1 10/14/21 06:46

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chrysene	2.00	2.52	126	64.0-144	
Dibenz(a,h)anthracene	2.00	1.90	95.0	52.0-155	
Fluoranthene	2.00	2.50	125	69.0-153	
Fluorene	2.00	2.53	126	64.0-136	
Hexachlorobenzene	2.00	2.64	132	40.0-140	
Indeno(1,2,3-cd)pyrene	2.00	1.92	96.0	54.0-153	
Naphthalene	2.00	2.58	129	61.0-137	
Phenanthrene	2.00	2.60	130	62.0-137	
Pyrene	2.00	2.66	133	60.0-142	
1-Methylnaphthalene	2.00	2.49	124	66.0-142	
2-Methylnaphthalene	2.00	2.35	117	62.0-136	
2-Chloronaphthalene	2.00	2.55	128	64.0-140	
(S) Nitrobenzene-d5			*110*	*31.0-160*	
(S) 2-Fluorobiphenyl			*134*	*48.0-148*	
(S) p-Terphenyl-d14			*159*	*37.0-146*	J1

L1415506-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415506-04 10/14/21 08:13 • (MS) R3716940-3 10/14/21 08:30 • (MSD) R3716940-4 10/14/21 08:47

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	1.90	U	1.70	2.22	89.5	117	1	56.0-156		J3	26.5	20
Dibenzofuran	1.90	U	1.72	2.17	90.5	114	1	48.0-138		J3	23.1	20
Acenaphthene	1.90	U	1.71	2.23	90.0	117	1	44.0-153		J3	26.4	20
Acenaphthylene	1.90	U	1.81	2.36	95.3	124	1	53.0-150		J3	26.4	20
Benzo(a)anthracene	1.90	U	1.44	2.00	75.8	105	1	47.0-151		J3	32.6	20
Benzo(a)pyrene	1.90	U	1.38	1.89	72.6	99.5	1	45.0-146		J3	31.2	20
Benzo(b)fluoranthene	1.90	0.0203	1.42	1.90	73.7	98.9	1	43.0-142		J3	28.9	20
Benzo(g,h,i)perylene	1.90	U	1.31	1.80	68.9	94.7	1	40.0-147		J3	31.5	20
Benzo(k)fluoranthene	1.90	U	1.39	1.88	73.2	98.9	1	43.0-148		J3	30.0	21
Chrysene	1.90	U	1.48	2.07	77.9	109	1	50.0-148		J3	33.2	20
Dibenz(a,h)anthracene	1.90	U	1.24	1.74	65.3	91.6	1	37.0-151		J3	33.6	20
Fluoranthene	1.90	U	1.56	2.10	82.1	111	1	56.0-157		J3	29.5	20
Fluorene	1.90	U	1.68	2.17	88.4	114	1	48.0-148		J3	25.5	20
Indeno(1,2,3-cd)pyrene	1.90	U	1.27	1.76	66.8	92.6	1	41.0-148		J3	32.3	20
Hexachlorobenzene	1.90	U	1.61	2.18	84.7	115	1	40.0-140		J3	30.1	20
Naphthalene	1.90	U	1.79	2.30	94.2	121	1	10.0-160		J3	24.9	20
Phenanthrene	1.90	U	1.73	2.26	91.1	119	1	47.0-147		J3	26.6	20
Pyrene	1.90	0.0202	1.65	2.10	85.8	109	1	51.0-148		J3	24.0	20

L1415506-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415506-04 10/14/21 08:13 • (MS) R3716940-3 10/14/21 08:30 • (MSD) R3716940-4 10/14/21 08:47

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1-Methylnaphthalene	1.90	U	1.70	2.18	89.5	115	1	21.0-160		J3	24.7	20
2-Methylnaphthalene	1.90	U	1.61	2.06	84.7	108	1	31.0-160		J3	24.5	20
2-Chloronaphthalene	1.90	U	1.70	2.28	89.5	120	1	52.0-148		J3	29.1	20
(S) Nitrobenzene-d5					*84.7*	*104*		*31.0-160*				
(S) 2-Fluorobiphenyl					*94.2*	*126*		*48.0-148*				
(S) p-Terphenyl-d14					*98.9*	*132*		*37.0-146*				

L1415775-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415775-04 10/14/21 13:25 • (MS) R3716940-5 10/14/21 13:42 • (MSD) R3716940-6 10/14/21 14:00

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	1.90	U	2.47	2.58	130	136	1	56.0-156			4.36	20
Dibenzofuran	1.90	U	2.27	2.52	119	133	1	48.0-138			10.4	20
Acenaphthene	1.90	0.491	2.32	3.08	96.3	136	1	44.0-153		J3	28.1	20
Acenaphthylene	1.90	U	2.35	2.63	124	138	1	53.0-150			11.2	20
Benzo(a)anthracene	1.90	U	2.37	2.54	125	134	1	47.0-151			6.92	20
Benzo(a)pyrene	1.90	U	2.34	2.26	123	119	1	45.0-146			3.48	20
Benzo(b)fluoranthene	1.90	U	2.42	2.38	127	125	1	43.0-142			1.67	20
Benzo(g,h,i)perylene	1.90	U	2.21	2.16	116	114	1	40.0-147			2.29	20
Benzo(k)fluoranthene	1.90	U	2.35	2.34	124	123	1	43.0-148			0.426	21
Chrysene	1.90	U	2.46	2.50	129	132	1	50.0-148			1.61	20
Dibenz(a,h)anthracene	1.90	U	2.11	2.06	111	108	1	37.0-151			2.40	20
Fluoranthene	1.90	U	2.39	2.51	126	132	1	56.0-157			4.90	20
Fluorene	1.90	U	2.21	2.46	116	129	1	48.0-148			10.7	20
Indeno(1,2,3-cd)pyrene	1.90	U	2.13	1.99	112	105	1	41.0-148			6.80	20
Hexachlorobenzene	1.90	U	2.54	2.62	134	138	1	40.0-140			3.10	20
Naphthalene	1.90	U	2.57	2.59	135	136	1	10.0-160			0.775	20
Phenanthrene	1.90	U	2.48	2.59	131	136	1	47.0-147			4.34	20
Pyrene	1.90	U	2.54	2.41	134	127	1	51.0-148			5.25	20
1-Methylnaphthalene	1.90	U	2.39	2.47	126	130	1	21.0-160			3.29	20
2-Methylnaphthalene	1.90	U	2.28	2.35	120	124	1	31.0-160			3.02	20
2-Chloronaphthalene	1.90	U	2.24	2.53	118	133	1	52.0-148			12.2	20
(S) Nitrobenzene-d5					*115*	*112*		*31.0-160*				
(S) 2-Fluorobiphenyl					*126*	*137*		*48.0-148*				
(S) p-Terphenyl-d14					*175*	*154*		*37.0-146*	J1	J1		

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

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Project Description:
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City/State Collected:

Please Circle: PT MT CT ET

Phone: **609-860-0590**

Client Project #
30064362.19.45

Lab Project #
CHEVARCNY-BEACON

Collected by (print): Kirk Vargo
Shannon Tosh

Site/Facility ID #
PMG00037

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270DIOXANE 100ml Amb-NoPres	8270TCLD 100ml Amb NoPres	DBCP - V524LL 40mlAmb HCl	PAHSIMLVID 40mlAmb-NoPres-WT	PBDG - Lab filter 250mlHDPE-NoPres	V8260LLC 40mlAmb-HCl	V8260LLC-TripBlank 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
OS-2-W-211007	Grab	GW		10/7/21	1320	11		X	X	X	X	X			-01
OS-3-W-211007	Grab	GW		10/7/21	1324	11		X	X	X	X	X			-02
OR-2-W-211007	Grab	GW		10/7/21	1225	11		X	X	X	X	X			-03
OR-3-W-211007	Grab	GW		10/7/21	1215	11		X	X	X	X	X			-04
DB-17-W-211006	Grab	GW		10/6/21	1245	13	X	X	X	X	X	X			-05
DB-8A-W-211006	Grab	GW		10/6/21	1140	13	X	X	X	X	X	X			-06
DC-2-W-211006	Grab	GW		10/6/21	1120	11		X	X	X	X	X			-07
DC-1-W-211006	Grab	GW		10/6/21	1235	11		X	X	X	X	X			-08
TF-23-W-211___		GW				11		X	X	X	X	X			
TF-5-W-211___		GW				11		X	X	X	X	X			

Chain of Custody Page 1 of 3

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1415506
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SDG # I180

Table #

Acctnum: **CHEVARCNY**

Template: **T166593**

Prelogin: **P878273**

PM: **526 - Chris McCord**

PB: 10/4 21:000

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
	10/7/21	1710		2 3	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: A3 °C Bottles Received: 1.040=1.0 14	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/8/21 Time: 0900	Hold: Condition: NCF / OK

Company Name/Address:
Arcadis - Chevron - NY

50 Millstone Rd.
Bldg 200, Suite 220
East Windsor. NJ 08520

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Pres Chk

Report to: **Ryan Merrell**

Email To: ed.meyer@arcadis.com;christopher.laprus@arc

Project Description: **Pod 4 - Beacon PMG00037**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **609-860-0590**

Client Project # **30064362.19.45**

Lab Project # **CHEVARCNY-BEACON**

Collected by (print): Kit Chapman / Shannon Tuchan

Site/Facility ID # **PMG00037**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270DIOXANE 100ml Amb-NoPres	8270TCLD 100ml Amb NoPres	DBCP - V524LL 40mlAmb HCl	PAHSIMLVID 40mlAmb-NoPres-WT	PBDG - Lab filter 250mlHDPE-NoPres	V8260LLC 40mlAmb-HCl	V8260LLC-TripBlank 40mlAmb-HCl-Blk				Remarks	Sample # (lab only)
		GW				11		X	X	X	X	X						
BD-W-2110-07	Grab	GW		10/7/21	—	11		X	X	X	X	X						-09
FB-W-2110-06	Grab	GW		10/6/21	1400	11		X	X	X	X	X						-10
FB-W-2110-07	Grab	GW		10/7/21	1500	11		X	X	X	X	X						-11
FB-W-2110___		GW				11		X	X	X	X	X						
QA-MS-W-2110-7	Grab	GW		10/7/21	1215	11		X	X	X	X	X						-12
QA-MSD-W-2110-7	Grab	GW		10/7/21	1215	11		X	X	X	X	X						-13
EB-W-2110___		GW				11		X	X	X	X	X						
TB-W-2110-07	Grab	GW		10/7/21	—	1							X					-14
TB-W-2110___		GW				1							X					

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	10/7/21	1710		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.8R °C Bottles Received: 1.0 FD=1.0 147	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/8/21 Time: 0900	Hold: / Condition: NCF / OK

Chain of Custody Page 2 of 3

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SDG #

Table #

Acctnum: **CHEVARCNY**

Template: **T166593**

Prelogin: **P878273**

PM: **526 - Chris McCord**

PB: 10/4/21 tod

Shipped Via: **FedEX Ground**

Company Name/Address:
Arcadis - Chevron - NY

50 Millstone Rd.
Bldg 200, Suite 220
East Windsor. NJ 08520

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Pres Chk

Report to:
Ryan Merrell

Email To:
ed.meyer@arcadis.com;christopher.laprus@arc

Project Description:
Pod 4 - Beacon PMG00037

City/State Collected:

Please Circle: PT MT CT ET

Phone: **609-860-0590**

Client Project #
30064362.19.45

Lab Project #
CHEVARCNY-BEACON

Collected by (print): Kirk Vargo
Shannon Forbes

Site/Facility ID #
PMG00037

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270DIOXANE 100ml Amb-NoPres	8270TCLD 100ml Amb NoPres	DBCP - V524LL 40mlAmb HCl	PAHSIMLVID 40mlAmb-NoPres-WT	PBDG - Lab filter 250mlHDPE-NoPres	V8260LLC 40mlAmb-HCl	V8260LLC-TripBlank 40mlAmb-HCl-Blk				Remarks	Sample # (lab only)
TB-W-2110 ~~01~~	Grab	GW		10/7/21	—	1							X					-15

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	10/7/21	1710	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp: A3 B0°C Bottles Received:
1.0+0=1.0 147

Date: 10/8/21 Time: 1700

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Chain of Custody Page 3 of 3

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SDG #

Table #

Acctnum: **CHEVARCNY**
Template: **T166593**
Prelogin: **P878273**
PM: **526 - Chris McCord**
PB 10/4/21 tdd

Shipped Via: **FedEX Ground**

Tracking Numbers	[redacted]	Temperature
531899507866	[redacted]	1.0+0=1.0 A3B
531899507855	[redacted]	1.3-.1=1.2 A3B
	[redacted]	
	[redacted]	
	[redacted]	
	[redacted]	

ANALYTICAL REPORT

October 26, 2021

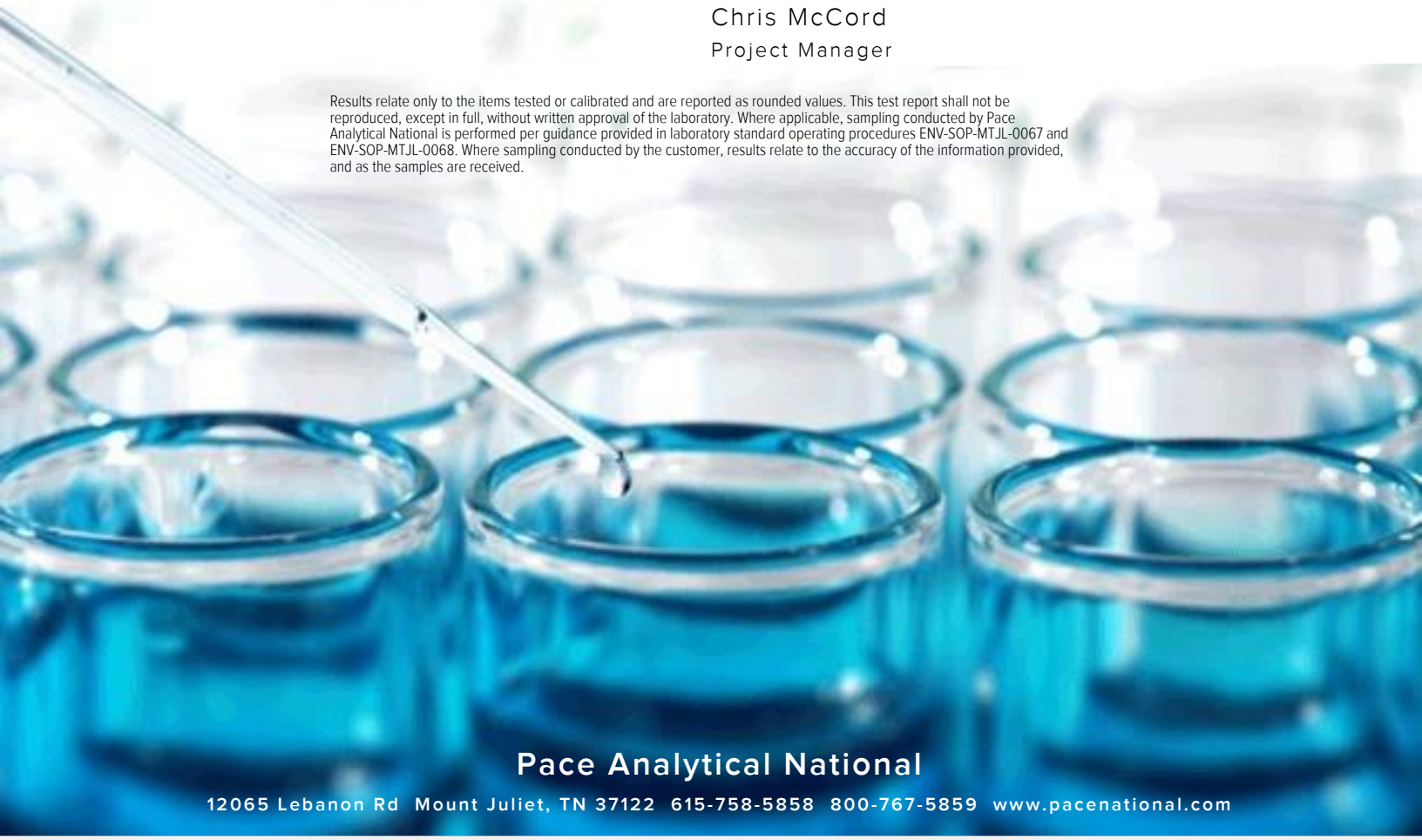
Arcadis - Chevron - NY

Sample Delivery Group:	L1415922
Samples Received:	10/09/2021
Project Number:	30064362.19.45
Description:	Pod 4 - Beacon PMG00037
Site:	PMG00037
Report To:	Ryan Merrell 4 Dwight Park Drive Syracuse, NY 13209

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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TF-23-W-211008 L1415922-01 GW

Collected by: KV/ST | Collected date/time: 10/08/21 08:40 | Received date/time: 10/09/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1759994	1	10/20/21 08:38	10/21/21 13:05	JDG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1758715	1	10/18/21 14:21	10/18/21 14:21	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1759195	1	10/19/21 03:13	10/19/21 03:13	JCP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1756481	1	10/15/21 06:24	10/16/21 04:13	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1756466	1	10/14/21 12:55	10/14/21 19:39	LEA	Mt. Juliet, TN

TF-5-W-211008 L1415922-02 GW

Collected by: KV/ST | Collected date/time: 10/08/21 09:10 | Received date/time: 10/09/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1759994	1	10/20/21 08:38	10/21/21 13:09	JDG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1758715	1	10/18/21 14:45	10/18/21 14:45	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1759195	1	10/19/21 03:33	10/19/21 03:33	JCP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1756481	1	10/15/21 06:24	10/16/21 04:34	SHG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1756466	1	10/14/21 12:55	10/14/21 19:56	LEA	Mt. Juliet, TN

FB-W-211008 L1415922-03 NONE

Collected by: KV/ST | Collected date/time: 10/08/21 10:00 | Received date/time: 10/09/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location

EB-W-211008 L1415922-04 GW

Collected by: KV/ST | Collected date/time: 10/08/21 08:00 | Received date/time: 10/09/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1759994	1	10/20/21 08:38	10/21/21 13:12	JDG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1758715	1	10/18/21 15:08	10/18/21 15:08	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1759195	1	10/19/21 03:54	10/19/21 03:54	JCP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1756481	1	10/15/21 06:24	10/16/21 04:56	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1756466	1	10/14/21 12:55	10/14/21 20:14	LEA	Mt. Juliet, TN

TB-W-211008 L1415922-05 GW

Collected by: KV/ST | Collected date/time: 10/08/21 00:00 | Received date/time: 10/09/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1759195	1	10/19/21 00:29	10/19/21 00:29	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1762641	1	10/24/21 20:46	10/24/21 20:46	JAH	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Project Manager

Sample Delivery Group (SDG) Narrative

Analyzed from headspace vial.

Batch	Method	Lab Sample ID
WG1762641	8260C	L1415922-05

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG1759195	L1415922-01	Dichlorodifluoromethane, trans-1,4-Dichloro-2-butene and Vinyl acetate
WG1759195	L1415922-02	Dichlorodifluoromethane, trans-1,4-Dichloro-2-butene and Vinyl acetate
WG1759195	L1415922-04	Dichlorodifluoromethane, trans-1,4-Dichloro-2-butene and Vinyl acetate
WG1759195	L1415922-05	Dichlorodifluoromethane, trans-1,4-Dichloro-2-butene and Vinyl acetate

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG1759195	1,2,3-Trimethylbenzene	L1415922-05
WG1759195	Naphthalene	L1415922-05
WG1759195	n-Butylbenzene	L1415922-05

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG1759195	(LCS) R3720042-1, (LCSD) R3720042-2, L1415922-01, 02, 04, 05	1,2-Dichloropropane, 1,3-Dichloropropane and 2-Hexanone

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG1759195	(MS) R3720042-4, (MSD) R3720042-5	2-Chloroethyl vinyl ether

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG1759195	(MS) R3720042-4, (MSD) R3720042-5	2-Hexanone

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG1756481	(LCSD) R3717298-2, L1415922-01, 02, 04	2,4-Dinitrophenol

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 13:05	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/19/2021 03:13	WG1759195
Acrylonitrile	U		0.671	5.00	1	10/19/2021 03:13	WG1759195
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/18/2021 14:21	WG1758715
Benzene	U		0.0941	0.500	1	10/19/2021 03:13	WG1759195
Bromobenzene	U		0.118	0.500	1	10/19/2021 03:13	WG1759195
Bromodichloromethane	U		0.136	0.500	1	10/19/2021 03:13	WG1759195
Bromochloromethane	U		0.128	0.500	1	10/19/2021 03:13	WG1759195
Bromoform	U		0.129	0.500	1	10/19/2021 03:13	WG1759195
Bromomethane	U		0.605	2.50	1	10/19/2021 03:13	WG1759195
n-Butylbenzene	U		0.157	0.500	1	10/19/2021 03:13	WG1759195
sec-Butylbenzene	U		0.125	0.500	1	10/19/2021 03:13	WG1759195
tert-Butylbenzene	U		0.127	0.500	1	10/19/2021 03:13	WG1759195
Carbon disulfide	U		0.0962	0.500	1	10/19/2021 03:13	WG1759195
Carbon tetrachloride	U		0.128	0.500	1	10/19/2021 03:13	WG1759195
Chlorobenzene	U		0.117	0.500	1	10/19/2021 03:13	WG1759195
Chlorodibromomethane	U		0.140	0.500	1	10/19/2021 03:13	WG1759195
Chloroethane	U		0.192	2.50	1	10/19/2021 03:13	WG1759195
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/19/2021 03:13	WG1759195
Chloroform	U		0.111	0.500	1	10/19/2021 03:13	WG1759195
Chloromethane	U		0.960	1.25	1	10/19/2021 03:13	WG1759195
2-Chlorotoluene	U		0.106	0.500	1	10/19/2021 03:13	WG1759195
4-Chlorotoluene	U		0.114	0.500	1	10/19/2021 03:13	WG1759195
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/19/2021 03:13	WG1759195
1,2-Dibromoethane	U		0.126	0.500	1	10/19/2021 03:13	WG1759195
Dibromomethane	U		0.122	0.500	1	10/19/2021 03:13	WG1759195
1,2-Dichlorobenzene	U		0.107	0.500	1	10/19/2021 03:13	WG1759195
1,3-Dichlorobenzene	U		0.299	0.500	1	10/19/2021 03:13	WG1759195
1,4-Dichlorobenzene	U		0.120	0.500	1	10/19/2021 03:13	WG1759195
Dichlorodifluoromethane	U	C3	0.374	2.50	1	10/19/2021 03:13	WG1759195
1,1-Dichloroethane	U		0.100	0.500	1	10/19/2021 03:13	WG1759195
1,2-Dichloroethane	U		0.0819	0.500	1	10/19/2021 03:13	WG1759195
1,1-Dichloroethene	U		0.188	0.500	1	10/19/2021 03:13	WG1759195
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/19/2021 03:13	WG1759195
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/19/2021 03:13	WG1759195
1,2-Dichloropropane	U	J4	0.149	0.500	1	10/19/2021 03:13	WG1759195
1,1-Dichloropropene	U		0.142	0.500	1	10/19/2021 03:13	WG1759195
1,3-Dichloropropane	U	J4	0.109	1.00	1	10/19/2021 03:13	WG1759195
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/19/2021 03:13	WG1759195
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/19/2021 03:13	WG1759195
trans-1,4-Dichloro-2-butene	U	C3	0.467	5.00	1	10/19/2021 03:13	WG1759195
2,2-Dichloropropane	U		0.161	0.500	1	10/19/2021 03:13	WG1759195
Di-isopropyl ether	U		0.105	0.500	1	10/19/2021 03:13	WG1759195
Ethylbenzene	U		0.137	0.500	1	10/19/2021 03:13	WG1759195
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/19/2021 03:13	WG1759195
2-Hexanone	U	J4	0.787	5.00	1	10/19/2021 03:13	WG1759195
n-Hexane	U		0.749	5.00	1	10/19/2021 03:13	WG1759195
Iodomethane	U		0.554	5.00	1	10/19/2021 03:13	WG1759195
Isopropylbenzene	U		0.105	0.500	1	10/19/2021 03:13	WG1759195
p-Isopropyltoluene	U		0.120	0.500	1	10/19/2021 03:13	WG1759195
2-Butanone (MEK)	U		1.19	5.00	1	10/19/2021 03:13	WG1759195

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/19/2021 03:13	WG1759195
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/19/2021 03:13	WG1759195
Methyl tert-butyl ether	U		0.101	0.500	1	10/19/2021 03:13	WG1759195
Naphthalene	U		0.174	2.50	1	10/19/2021 03:13	WG1759195
n-Propylbenzene	U		0.0993	0.500	1	10/19/2021 03:13	WG1759195
Styrene	U		0.118	0.500	1	10/19/2021 03:13	WG1759195
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/19/2021 03:13	WG1759195
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/19/2021 03:13	WG1759195
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/19/2021 03:13	WG1759195
Tetrachloroethene	U		0.300	0.500	1	10/19/2021 03:13	WG1759195
Toluene	U		0.278	0.500	1	10/19/2021 03:13	WG1759195
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/19/2021 03:13	WG1759195
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/19/2021 03:13	WG1759195
1,1,1-Trichloroethane	U		0.149	0.500	1	10/19/2021 03:13	WG1759195
1,1,2-Trichloroethane	U		0.158	0.500	1	10/19/2021 03:13	WG1759195
Trichloroethene	U		0.190	0.500	1	10/19/2021 03:13	WG1759195
Trichlorofluoromethane	U		0.160	2.50	1	10/19/2021 03:13	WG1759195
1,2,3-Trichloropropane	U		0.237	2.50	1	10/19/2021 03:13	WG1759195
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/19/2021 03:13	WG1759195
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/19/2021 03:13	WG1759195
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/19/2021 03:13	WG1759195
Vinyl acetate	U	C3	0.692	5.00	1	10/19/2021 03:13	WG1759195
Vinyl chloride	U		0.234	0.500	1	10/19/2021 03:13	WG1759195
Xylenes, Total	U		0.174	1.50	1	10/19/2021 03:13	WG1759195
(S) Toluene-d8	*114*			*80.0-120*		*10/19/2021 03:13*	WG1759195
(S) 4-Bromofluorobenzene	*97.3*			*77.0-126*		*10/19/2021 03:13*	WG1759195
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*10/19/2021 03:13*	WG1759195

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/16/2021 04:13	WG1756481
Atrazine	U		0.255	10.0	1	10/16/2021 04:13	WG1756481
Benzaldehyde	U		1.69	10.0	1	10/16/2021 04:13	WG1756481
Biphenyl	U		0.790	10.0	1	10/16/2021 04:13	WG1756481
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/16/2021 04:13	WG1756481
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/16/2021 04:13	WG1756481
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/16/2021 04:13	WG1756481
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/16/2021 04:13	WG1756481
Caprolactam	U		0.309	10.0	1	10/16/2021 04:13	WG1756481
Carbazole	U		0.111	10.0	1	10/16/2021 04:13	WG1756481
4-Chloroaniline	U		0.234	5.00	1	10/16/2021 04:13	WG1756481
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/16/2021 04:13	WG1756481
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/16/2021 04:13	WG1756481
2,4-Dinitrotoluene	U		0.0983	10.0	1	10/16/2021 04:13	WG1756481
2,6-Dinitrotoluene	U		0.250	5.00	1	10/16/2021 04:13	WG1756481
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/16/2021 04:13	WG1756481
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/16/2021 04:13	WG1756481
Hexachloroethane	U		0.127	5.00	1	10/16/2021 04:13	WG1756481
Isophorone	U		0.143	10.0	1	10/16/2021 04:13	WG1756481
2-Nitroaniline	U		0.102	10.0	1	10/16/2021 04:13	WG1756481
3-Nitroaniline	U		0.0869	5.00	1	10/16/2021 04:13	WG1756481
4-Nitroaniline	U		0.0910	10.0	1	10/16/2021 04:13	WG1756481
Nitrobenzene	U		0.297	10.0	1	10/16/2021 04:13	WG1756481
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/16/2021 04:13	WG1756481
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/16/2021 04:13	WG1756481

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/16/2021 04:13	WG1756481
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/16/2021 04:13	WG1756481
Di-n-butyl phthalate	U		0.453	3.00	1	10/16/2021 04:13	WG1756481
Diethyl phthalate	U		0.287	3.00	1	10/16/2021 04:13	WG1756481
Dimethyl phthalate	U		0.260	3.00	1	10/16/2021 04:13	WG1756481
Di-n-octyl phthalate	U		0.932	3.00	1	10/16/2021 04:13	WG1756481
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/16/2021 04:13	WG1756481
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/16/2021 04:13	WG1756481
2-Chlorophenol	U		0.133	1.00	1	10/16/2021 04:13	WG1756481
2-Methylphenol	U		0.0929	1.00	1	10/16/2021 04:13	WG1756481
3&4-Methyl Phenol	U		0.168	1.00	1	10/16/2021 04:13	WG1756481
2,4-Dichlorophenol	U		0.102	5.00	1	10/16/2021 04:13	WG1756481
2,4-Dimethylphenol	U		0.0636	10.0	1	10/16/2021 04:13	WG1756481
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/16/2021 04:13	WG1756481
2,4-Dinitrophenol	U	J3	5.93	10.0	1	10/16/2021 04:13	WG1756481
2-Nitrophenol	U		0.117	10.0	1	10/16/2021 04:13	WG1756481
4-Nitrophenol	U		0.143	10.0	1	10/16/2021 04:13	WG1756481
Pentachlorophenol	U		0.313	1.00	1	10/16/2021 04:13	WG1756481
Phenol	U		4.33	10.0	1	10/16/2021 04:13	WG1756481
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/16/2021 04:13	WG1756481
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/16/2021 04:13	WG1756481
(S) 2-Fluorophenol	*16.2*			*10.0-120*		*10/16/2021 04:13*	WG1756481
(S) Phenol-d5	*11.3*			*10.0-120*		*10/16/2021 04:13*	WG1756481
(S) Nitrobenzene-d5	*39.5*			*10.0-127*		*10/16/2021 04:13*	WG1756481
(S) 2-Fluorobiphenyl	*50.0*			*10.0-130*		*10/16/2021 04:13*	WG1756481
(S) 2,4,6-Tribromophenol	*29.5*			*10.0-155*		*10/16/2021 04:13*	WG1756481
(S) p-Terphenyl-d14	*37.0*			*10.0-128*		*10/16/2021 04:13*	WG1756481

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/14/2021 19:39	WG1756466
Acenaphthene	U		0.0190	0.0500	1	10/14/2021 19:39	WG1756466
Acenaphthylene	U		0.0171	0.0500	1	10/14/2021 19:39	WG1756466
Benzo(a)anthracene	U		0.0203	0.0500	1	10/14/2021 19:39	WG1756466
Benzo(a)pyrene	U		0.0184	0.0500	1	10/14/2021 19:39	WG1756466
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/14/2021 19:39	WG1756466
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/14/2021 19:39	WG1756466
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/14/2021 19:39	WG1756466
Chrysene	U		0.0179	0.0500	1	10/14/2021 19:39	WG1756466
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/14/2021 19:39	WG1756466
Dibenzofuran	U		0.0191	0.0500	1	10/14/2021 19:39	WG1756466
Fluoranthene	U		0.0270	0.100	1	10/14/2021 19:39	WG1756466
Fluorene	U		0.0169	0.0500	1	10/14/2021 19:39	WG1756466
Hexachlorobenzene	U		0.00670	0.0500	1	10/14/2021 19:39	WG1756466
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/14/2021 19:39	WG1756466
Naphthalene	U		0.0917	0.250	1	10/14/2021 19:39	WG1756466
Phenanthrene	U		0.0180	0.0500	1	10/14/2021 19:39	WG1756466
Pyrene	U		0.0169	0.0500	1	10/14/2021 19:39	WG1756466
1-Methylnaphthalene	U		0.0687	0.250	1	10/14/2021 19:39	WG1756466
2-Methylnaphthalene	U		0.0674	0.250	1	10/14/2021 19:39	WG1756466
2-Chloronaphthalene	U		0.0682	0.250	1	10/14/2021 19:39	WG1756466
(S) Nitrobenzene-d5	*77.9*			*31.0-160*		*10/14/2021 19:39*	WG1756466
(S) 2-Fluorobiphenyl	*94.2*			*48.0-148*		*10/14/2021 19:39*	WG1756466
(S) p-Terphenyl-d14	*112*			*37.0-146*		*10/14/2021 19:39*	WG1756466

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 13:09	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/19/2021 03:33	WG1759195
Acrylonitrile	U		0.671	5.00	1	10/19/2021 03:33	WG1759195
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/18/2021 14:45	WG1758715
Benzene	U		0.0941	0.500	1	10/19/2021 03:33	WG1759195
Bromobenzene	U		0.118	0.500	1	10/19/2021 03:33	WG1759195
Bromodichloromethane	U		0.136	0.500	1	10/19/2021 03:33	WG1759195
Bromochloromethane	U		0.128	0.500	1	10/19/2021 03:33	WG1759195
Bromoform	U		0.129	0.500	1	10/19/2021 03:33	WG1759195
Bromomethane	U		0.605	2.50	1	10/19/2021 03:33	WG1759195
n-Butylbenzene	U		0.157	0.500	1	10/19/2021 03:33	WG1759195
sec-Butylbenzene	U		0.125	0.500	1	10/19/2021 03:33	WG1759195
tert-Butylbenzene	U		0.127	0.500	1	10/19/2021 03:33	WG1759195
Carbon disulfide	U		0.0962	0.500	1	10/19/2021 03:33	WG1759195
Carbon tetrachloride	U		0.128	0.500	1	10/19/2021 03:33	WG1759195
Chlorobenzene	U		0.117	0.500	1	10/19/2021 03:33	WG1759195
Chlorodibromomethane	U		0.140	0.500	1	10/19/2021 03:33	WG1759195
Chloroethane	U		0.192	2.50	1	10/19/2021 03:33	WG1759195
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/19/2021 03:33	WG1759195
Chloroform	U		0.111	0.500	1	10/19/2021 03:33	WG1759195
Chloromethane	U		0.960	1.25	1	10/19/2021 03:33	WG1759195
2-Chlorotoluene	U		0.106	0.500	1	10/19/2021 03:33	WG1759195
4-Chlorotoluene	U		0.114	0.500	1	10/19/2021 03:33	WG1759195
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/19/2021 03:33	WG1759195
1,2-Dibromoethane	U		0.126	0.500	1	10/19/2021 03:33	WG1759195
Dibromomethane	U		0.122	0.500	1	10/19/2021 03:33	WG1759195
1,2-Dichlorobenzene	U		0.107	0.500	1	10/19/2021 03:33	WG1759195
1,3-Dichlorobenzene	U		0.299	0.500	1	10/19/2021 03:33	WG1759195
1,4-Dichlorobenzene	U		0.120	0.500	1	10/19/2021 03:33	WG1759195
Dichlorodifluoromethane	U	C3	0.374	2.50	1	10/19/2021 03:33	WG1759195
1,1-Dichloroethane	U		0.100	0.500	1	10/19/2021 03:33	WG1759195
1,2-Dichloroethane	U		0.0819	0.500	1	10/19/2021 03:33	WG1759195
1,1-Dichloroethene	U		0.188	0.500	1	10/19/2021 03:33	WG1759195
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/19/2021 03:33	WG1759195
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/19/2021 03:33	WG1759195
1,2-Dichloropropane	U	J4	0.149	0.500	1	10/19/2021 03:33	WG1759195
1,1-Dichloropropene	U		0.142	0.500	1	10/19/2021 03:33	WG1759195
1,3-Dichloropropane	U	J4	0.109	1.00	1	10/19/2021 03:33	WG1759195
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/19/2021 03:33	WG1759195
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/19/2021 03:33	WG1759195
trans-1,4-Dichloro-2-butene	U	C3	0.467	5.00	1	10/19/2021 03:33	WG1759195
2,2-Dichloropropane	U		0.161	0.500	1	10/19/2021 03:33	WG1759195
Di-isopropyl ether	U		0.105	0.500	1	10/19/2021 03:33	WG1759195
Ethylbenzene	U		0.137	0.500	1	10/19/2021 03:33	WG1759195
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/19/2021 03:33	WG1759195
2-Hexanone	U	J4	0.787	5.00	1	10/19/2021 03:33	WG1759195
n-Hexane	U		0.749	5.00	1	10/19/2021 03:33	WG1759195
Iodomethane	U		0.554	5.00	1	10/19/2021 03:33	WG1759195
Isopropylbenzene	U		0.105	0.500	1	10/19/2021 03:33	WG1759195
p-Isopropyltoluene	U		0.120	0.500	1	10/19/2021 03:33	WG1759195
2-Butanone (MEK)	U		1.19	5.00	1	10/19/2021 03:33	WG1759195

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/19/2021 03:33	WG1759195
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/19/2021 03:33	WG1759195
Methyl tert-butyl ether	U		0.101	0.500	1	10/19/2021 03:33	WG1759195
Naphthalene	U		0.174	2.50	1	10/19/2021 03:33	WG1759195
n-Propylbenzene	U		0.0993	0.500	1	10/19/2021 03:33	WG1759195
Styrene	U		0.118	0.500	1	10/19/2021 03:33	WG1759195
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/19/2021 03:33	WG1759195
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/19/2021 03:33	WG1759195
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/19/2021 03:33	WG1759195
Tetrachloroethene	U		0.300	0.500	1	10/19/2021 03:33	WG1759195
Toluene	U		0.278	0.500	1	10/19/2021 03:33	WG1759195
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/19/2021 03:33	WG1759195
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/19/2021 03:33	WG1759195
1,1,1-Trichloroethane	U		0.149	0.500	1	10/19/2021 03:33	WG1759195
1,1,2-Trichloroethane	U		0.158	0.500	1	10/19/2021 03:33	WG1759195
Trichloroethene	U		0.190	0.500	1	10/19/2021 03:33	WG1759195
Trichlorofluoromethane	U		0.160	2.50	1	10/19/2021 03:33	WG1759195
1,2,3-Trichloropropane	U		0.237	2.50	1	10/19/2021 03:33	WG1759195
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/19/2021 03:33	WG1759195
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/19/2021 03:33	WG1759195
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/19/2021 03:33	WG1759195
Vinyl acetate	U	C3	0.692	5.00	1	10/19/2021 03:33	WG1759195
Vinyl chloride	U		0.234	0.500	1	10/19/2021 03:33	WG1759195
Xylenes, Total	U		0.174	1.50	1	10/19/2021 03:33	WG1759195
(S) Toluene-d8	*116*			*80.0-120*		*10/19/2021 03:33*	WG1759195
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*10/19/2021 03:33*	WG1759195
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*10/19/2021 03:33*	WG1759195

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/16/2021 04:34	WG1756481
Atrazine	U		0.255	10.0	1	10/16/2021 04:34	WG1756481
Benzaldehyde	U		1.69	10.0	1	10/16/2021 04:34	WG1756481
Biphenyl	U		0.790	10.0	1	10/16/2021 04:34	WG1756481
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/16/2021 04:34	WG1756481
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/16/2021 04:34	WG1756481
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/16/2021 04:34	WG1756481
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/16/2021 04:34	WG1756481
Caprolactam	2.75	J	0.309	10.0	1	10/16/2021 04:34	WG1756481
Carbazole	U		0.111	10.0	1	10/16/2021 04:34	WG1756481
4-Chloroaniline	U		0.234	5.00	1	10/16/2021 04:34	WG1756481
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/16/2021 04:34	WG1756481
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/16/2021 04:34	WG1756481
2,4-Dinitrotoluene	U		0.0983	10.0	1	10/16/2021 04:34	WG1756481
2,6-Dinitrotoluene	U		0.250	5.00	1	10/16/2021 04:34	WG1756481
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/16/2021 04:34	WG1756481
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/16/2021 04:34	WG1756481
Hexachloroethane	U		0.127	5.00	1	10/16/2021 04:34	WG1756481
Isophorone	U		0.143	10.0	1	10/16/2021 04:34	WG1756481
2-Nitroaniline	U		0.102	10.0	1	10/16/2021 04:34	WG1756481
3-Nitroaniline	U		0.0869	5.00	1	10/16/2021 04:34	WG1756481
4-Nitroaniline	U		0.0910	10.0	1	10/16/2021 04:34	WG1756481
Nitrobenzene	U		0.297	10.0	1	10/16/2021 04:34	WG1756481
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/16/2021 04:34	WG1756481
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/16/2021 04:34	WG1756481

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/16/2021 04:34	WG1756481
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/16/2021 04:34	WG1756481
Di-n-butyl phthalate	U		0.453	3.00	1	10/16/2021 04:34	WG1756481
Diethyl phthalate	U		0.287	3.00	1	10/16/2021 04:34	WG1756481
Dimethyl phthalate	U		0.260	3.00	1	10/16/2021 04:34	WG1756481
Di-n-octyl phthalate	U		0.932	3.00	1	10/16/2021 04:34	WG1756481
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/16/2021 04:34	WG1756481
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/16/2021 04:34	WG1756481
2-Chlorophenol	U		0.133	1.00	1	10/16/2021 04:34	WG1756481
2-Methylphenol	U		0.0929	1.00	1	10/16/2021 04:34	WG1756481
3&4-Methyl Phenol	U		0.168	1.00	1	10/16/2021 04:34	WG1756481
2,4-Dichlorophenol	U		0.102	5.00	1	10/16/2021 04:34	WG1756481
2,4-Dimethylphenol	U		0.0636	10.0	1	10/16/2021 04:34	WG1756481
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/16/2021 04:34	WG1756481
2,4-Dinitrophenol	U	J3	5.93	10.0	1	10/16/2021 04:34	WG1756481
2-Nitrophenol	U		0.117	10.0	1	10/16/2021 04:34	WG1756481
4-Nitrophenol	U		0.143	10.0	1	10/16/2021 04:34	WG1756481
Pentachlorophenol	U		0.313	1.00	1	10/16/2021 04:34	WG1756481
Phenol	U		4.33	10.0	1	10/16/2021 04:34	WG1756481
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/16/2021 04:34	WG1756481
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/16/2021 04:34	WG1756481
(S) 2-Fluorophenol	*20.3*			*10.0-120*		*10/16/2021 04:34*	WG1756481
(S) Phenol-d5	*13.3*			*10.0-120*		*10/16/2021 04:34*	WG1756481
(S) Nitrobenzene-d5	*46.4*			*10.0-127*		*10/16/2021 04:34*	WG1756481
(S) 2-Fluorobiphenyl	*55.1*			*10.0-130*		*10/16/2021 04:34*	WG1756481
(S) 2,4,6-Tribromophenol	*38.1*			*10.0-155*		*10/16/2021 04:34*	WG1756481
(S) p-Terphenyl-d14	*41.3*			*10.0-128*		*10/16/2021 04:34*	WG1756481

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	0.0337	J	0.0190	0.0500	1	10/14/2021 19:56	WG1756466
Acenaphthene	0.0526		0.0190	0.0500	1	10/14/2021 19:56	WG1756466
Acenaphthylene	0.0190	J	0.0171	0.0500	1	10/14/2021 19:56	WG1756466
Benzo(a)anthracene	U		0.0203	0.0500	1	10/14/2021 19:56	WG1756466
Benzo(a)pyrene	U		0.0184	0.0500	1	10/14/2021 19:56	WG1756466
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/14/2021 19:56	WG1756466
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/14/2021 19:56	WG1756466
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/14/2021 19:56	WG1756466
Chrysene	U		0.0179	0.0500	1	10/14/2021 19:56	WG1756466
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/14/2021 19:56	WG1756466
Dibenzofuran	U		0.0191	0.0500	1	10/14/2021 19:56	WG1756466
Fluoranthene	0.0299	J	0.0270	0.100	1	10/14/2021 19:56	WG1756466
Fluorene	0.0444	J	0.0169	0.0500	1	10/14/2021 19:56	WG1756466
Hexachlorobenzene	U		0.00670	0.0500	1	10/14/2021 19:56	WG1756466
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/14/2021 19:56	WG1756466
Naphthalene	U		0.0917	0.250	1	10/14/2021 19:56	WG1756466
Phenanthrene	0.139		0.0180	0.0500	1	10/14/2021 19:56	WG1756466
Pyrene	0.0455	J	0.0169	0.0500	1	10/14/2021 19:56	WG1756466
1-Methylnaphthalene	U		0.0687	0.250	1	10/14/2021 19:56	WG1756466
2-Methylnaphthalene	U		0.0674	0.250	1	10/14/2021 19:56	WG1756466
2-Chloronaphthalene	U		0.0682	0.250	1	10/14/2021 19:56	WG1756466
(S) Nitrobenzene-d5	*76.3*			*31.0-160*		*10/14/2021 19:56*	WG1756466
(S) 2-Fluorobiphenyl	*93.7*			*48.0-148*		*10/14/2021 19:56*	WG1756466
(S) p-Terphenyl-d14	*114*			*37.0-146*		*10/14/2021 19:56*	WG1756466

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 13:12	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	25.0	1	10/19/2021 03:54	WG1759195
Acrylonitrile	U		0.671	5.00	1	10/19/2021 03:54	WG1759195
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/18/2021 15:08	WG1758715
Benzene	U		0.0941	0.500	1	10/19/2021 03:54	WG1759195
Bromobenzene	U		0.118	0.500	1	10/19/2021 03:54	WG1759195
Bromodichloromethane	U		0.136	0.500	1	10/19/2021 03:54	WG1759195
Bromochloromethane	U		0.128	0.500	1	10/19/2021 03:54	WG1759195
Bromoform	U		0.129	0.500	1	10/19/2021 03:54	WG1759195
Bromomethane	U		0.605	2.50	1	10/19/2021 03:54	WG1759195
n-Butylbenzene	U		0.157	0.500	1	10/19/2021 03:54	WG1759195
sec-Butylbenzene	U		0.125	0.500	1	10/19/2021 03:54	WG1759195
tert-Butylbenzene	U		0.127	0.500	1	10/19/2021 03:54	WG1759195
Carbon disulfide	U		0.0962	0.500	1	10/19/2021 03:54	WG1759195
Carbon tetrachloride	U		0.128	0.500	1	10/19/2021 03:54	WG1759195
Chlorobenzene	U		0.117	0.500	1	10/19/2021 03:54	WG1759195
Chlorodibromomethane	U		0.140	0.500	1	10/19/2021 03:54	WG1759195
Chloroethane	U		0.192	2.50	1	10/19/2021 03:54	WG1759195
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/19/2021 03:54	WG1759195
Chloroform	U		0.111	0.500	1	10/19/2021 03:54	WG1759195
Chloromethane	U		0.960	1.25	1	10/19/2021 03:54	WG1759195
2-Chlorotoluene	U		0.106	0.500	1	10/19/2021 03:54	WG1759195
4-Chlorotoluene	U		0.114	0.500	1	10/19/2021 03:54	WG1759195
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/19/2021 03:54	WG1759195
1,2-Dibromoethane	U		0.126	0.500	1	10/19/2021 03:54	WG1759195
Dibromomethane	U		0.122	0.500	1	10/19/2021 03:54	WG1759195
1,2-Dichlorobenzene	U		0.107	0.500	1	10/19/2021 03:54	WG1759195
1,3-Dichlorobenzene	U		0.299	0.500	1	10/19/2021 03:54	WG1759195
1,4-Dichlorobenzene	U		0.120	0.500	1	10/19/2021 03:54	WG1759195
Dichlorodifluoromethane	U	C3	0.374	2.50	1	10/19/2021 03:54	WG1759195
1,1-Dichloroethane	U		0.100	0.500	1	10/19/2021 03:54	WG1759195
1,2-Dichloroethane	U		0.0819	0.500	1	10/19/2021 03:54	WG1759195
1,1-Dichloroethene	U		0.188	0.500	1	10/19/2021 03:54	WG1759195
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/19/2021 03:54	WG1759195
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/19/2021 03:54	WG1759195
1,2-Dichloropropane	U	J4	0.149	0.500	1	10/19/2021 03:54	WG1759195
1,1-Dichloropropene	U		0.142	0.500	1	10/19/2021 03:54	WG1759195
1,3-Dichloropropane	U	J4	0.109	1.00	1	10/19/2021 03:54	WG1759195
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/19/2021 03:54	WG1759195
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/19/2021 03:54	WG1759195
trans-1,4-Dichloro-2-butene	U	C3	0.467	5.00	1	10/19/2021 03:54	WG1759195
2,2-Dichloropropane	U		0.161	0.500	1	10/19/2021 03:54	WG1759195
Di-isopropyl ether	U		0.105	0.500	1	10/19/2021 03:54	WG1759195
Ethylbenzene	U		0.137	0.500	1	10/19/2021 03:54	WG1759195
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/19/2021 03:54	WG1759195
2-Hexanone	U	J4	0.787	5.00	1	10/19/2021 03:54	WG1759195
n-Hexane	U		0.749	5.00	1	10/19/2021 03:54	WG1759195
Iodomethane	U		0.554	5.00	1	10/19/2021 03:54	WG1759195
Isopropylbenzene	U		0.105	0.500	1	10/19/2021 03:54	WG1759195
p-Isopropyltoluene	U		0.120	0.500	1	10/19/2021 03:54	WG1759195
2-Butanone (MEK)	U		1.19	5.00	1	10/19/2021 03:54	WG1759195

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/19/2021 03:54	WG1759195
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/19/2021 03:54	WG1759195
Methyl tert-butyl ether	U		0.101	0.500	1	10/19/2021 03:54	WG1759195
Naphthalene	U		0.174	2.50	1	10/19/2021 03:54	WG1759195
n-Propylbenzene	U		0.0993	0.500	1	10/19/2021 03:54	WG1759195
Styrene	U		0.118	0.500	1	10/19/2021 03:54	WG1759195
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/19/2021 03:54	WG1759195
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/19/2021 03:54	WG1759195
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/19/2021 03:54	WG1759195
Tetrachloroethene	U		0.300	0.500	1	10/19/2021 03:54	WG1759195
Toluene	U		0.278	0.500	1	10/19/2021 03:54	WG1759195
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/19/2021 03:54	WG1759195
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/19/2021 03:54	WG1759195
1,1,1-Trichloroethane	U		0.149	0.500	1	10/19/2021 03:54	WG1759195
1,1,2-Trichloroethane	U		0.158	0.500	1	10/19/2021 03:54	WG1759195
Trichloroethene	U		0.190	0.500	1	10/19/2021 03:54	WG1759195
Trichlorofluoromethane	U		0.160	2.50	1	10/19/2021 03:54	WG1759195
1,2,3-Trichloropropane	U		0.237	2.50	1	10/19/2021 03:54	WG1759195
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/19/2021 03:54	WG1759195
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/19/2021 03:54	WG1759195
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/19/2021 03:54	WG1759195
Vinyl acetate	U	C3	0.692	5.00	1	10/19/2021 03:54	WG1759195
Vinyl chloride	U		0.234	0.500	1	10/19/2021 03:54	WG1759195
Xylenes, Total	U		0.174	1.50	1	10/19/2021 03:54	WG1759195
(S) Toluene-d8	*114*			*80.0-120*		*10/19/2021 03:54*	WG1759195
(S) 4-Bromofluorobenzene	*97.5*			*77.0-126*		*10/19/2021 03:54*	WG1759195
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*10/19/2021 03:54*	WG1759195

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/16/2021 04:56	WG1756481
Atrazine	U		0.255	10.0	1	10/16/2021 04:56	WG1756481
Benzaldehyde	U		1.69	10.0	1	10/16/2021 04:56	WG1756481
Biphenyl	U		0.790	10.0	1	10/16/2021 04:56	WG1756481
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/16/2021 04:56	WG1756481
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/16/2021 04:56	WG1756481
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/16/2021 04:56	WG1756481
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/16/2021 04:56	WG1756481
Caprolactam	U		0.309	10.0	1	10/16/2021 04:56	WG1756481
Carbazole	U		0.111	10.0	1	10/16/2021 04:56	WG1756481
4-Chloroaniline	U		0.234	5.00	1	10/16/2021 04:56	WG1756481
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/16/2021 04:56	WG1756481
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/16/2021 04:56	WG1756481
2,4-Dinitrotoluene	U		0.0983	10.0	1	10/16/2021 04:56	WG1756481
2,6-Dinitrotoluene	U		0.250	5.00	1	10/16/2021 04:56	WG1756481
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/16/2021 04:56	WG1756481
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/16/2021 04:56	WG1756481
Hexachloroethane	U		0.127	5.00	1	10/16/2021 04:56	WG1756481
Isophorone	U		0.143	10.0	1	10/16/2021 04:56	WG1756481
2-Nitroaniline	U		0.102	10.0	1	10/16/2021 04:56	WG1756481
3-Nitroaniline	U		0.0869	5.00	1	10/16/2021 04:56	WG1756481
4-Nitroaniline	U		0.0910	10.0	1	10/16/2021 04:56	WG1756481
Nitrobenzene	U		0.297	10.0	1	10/16/2021 04:56	WG1756481
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/16/2021 04:56	WG1756481
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/16/2021 04:56	WG1756481

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/16/2021 04:56	WG1756481
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/16/2021 04:56	WG1756481
Di-n-butyl phthalate	U		0.453	3.00	1	10/16/2021 04:56	WG1756481
Diethyl phthalate	U		0.287	3.00	1	10/16/2021 04:56	WG1756481
Dimethyl phthalate	U		0.260	3.00	1	10/16/2021 04:56	WG1756481
Di-n-octyl phthalate	U		0.932	3.00	1	10/16/2021 04:56	WG1756481
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/16/2021 04:56	WG1756481
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/16/2021 04:56	WG1756481
2-Chlorophenol	U		0.133	1.00	1	10/16/2021 04:56	WG1756481
2-Methylphenol	U		0.0929	1.00	1	10/16/2021 04:56	WG1756481
3&4-Methyl Phenol	U		0.168	1.00	1	10/16/2021 04:56	WG1756481
2,4-Dichlorophenol	U		0.102	5.00	1	10/16/2021 04:56	WG1756481
2,4-Dimethylphenol	U		0.0636	10.0	1	10/16/2021 04:56	WG1756481
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/16/2021 04:56	WG1756481
2,4-Dinitrophenol	U	J3	5.93	10.0	1	10/16/2021 04:56	WG1756481
2-Nitrophenol	U		0.117	10.0	1	10/16/2021 04:56	WG1756481
4-Nitrophenol	U		0.143	10.0	1	10/16/2021 04:56	WG1756481
Pentachlorophenol	U		0.313	1.00	1	10/16/2021 04:56	WG1756481
Phenol	U		4.33	10.0	1	10/16/2021 04:56	WG1756481
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/16/2021 04:56	WG1756481
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/16/2021 04:56	WG1756481
(S) 2-Fluorophenol	*17.1*			*10.0-120*		*10/16/2021 04:56*	WG1756481
(S) Phenol-d5	*11.7*			*10.0-120*		*10/16/2021 04:56*	WG1756481
(S) Nitrobenzene-d5	*39.6*			*10.0-127*		*10/16/2021 04:56*	WG1756481
(S) 2-Fluorobiphenyl	*50.0*			*10.0-130*		*10/16/2021 04:56*	WG1756481
(S) 2,4,6-Tribromophenol	*31.0*			*10.0-155*		*10/16/2021 04:56*	WG1756481
(S) p-Terphenyl-d14	*46.9*			*10.0-128*		*10/16/2021 04:56*	WG1756481

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	10/14/2021 20:14	WG1756466
Acenaphthene	U		0.0190	0.0500	1	10/14/2021 20:14	WG1756466
Acenaphthylene	U		0.0171	0.0500	1	10/14/2021 20:14	WG1756466
Benzo(a)anthracene	U		0.0203	0.0500	1	10/14/2021 20:14	WG1756466
Benzo(a)pyrene	U		0.0184	0.0500	1	10/14/2021 20:14	WG1756466
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/14/2021 20:14	WG1756466
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/14/2021 20:14	WG1756466
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/14/2021 20:14	WG1756466
Chrysene	U		0.0179	0.0500	1	10/14/2021 20:14	WG1756466
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/14/2021 20:14	WG1756466
Dibenzofuran	U		0.0191	0.0500	1	10/14/2021 20:14	WG1756466
Fluoranthene	U		0.0270	0.100	1	10/14/2021 20:14	WG1756466
Fluorene	U		0.0169	0.0500	1	10/14/2021 20:14	WG1756466
Hexachlorobenzene	U		0.00670	0.0500	1	10/14/2021 20:14	WG1756466
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/14/2021 20:14	WG1756466
Naphthalene	U		0.0917	0.250	1	10/14/2021 20:14	WG1756466
Phenanthrene	U		0.0180	0.0500	1	10/14/2021 20:14	WG1756466
Pyrene	U		0.0169	0.0500	1	10/14/2021 20:14	WG1756466
1-Methylnaphthalene	U		0.0687	0.250	1	10/14/2021 20:14	WG1756466
2-Methylnaphthalene	U		0.0674	0.250	1	10/14/2021 20:14	WG1756466
2-Chloronaphthalene	U		0.0682	0.250	1	10/14/2021 20:14	WG1756466
(S) Nitrobenzene-d5	*79.5*			*31.0-160*		*10/14/2021 20:14*	WG1756466
(S) 2-Fluorobiphenyl	*96.3*			*48.0-148*		*10/14/2021 20:14*	WG1756466
(S) p-Terphenyl-d14	*119*			*37.0-146*		*10/14/2021 20:14*	WG1756466

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/19/2021 00:29	WG1759195
Acrylonitrile	U		0.671	5.00	1	10/19/2021 00:29	WG1759195
Benzene	U		0.0941	0.500	1	10/19/2021 00:29	WG1759195
Bromobenzene	U		0.118	0.500	1	10/19/2021 00:29	WG1759195
Bromodichloromethane	U		0.136	0.500	1	10/19/2021 00:29	WG1759195
Bromochloromethane	U		0.128	0.500	1	10/19/2021 00:29	WG1759195
Bromoform	U		0.129	0.500	1	10/19/2021 00:29	WG1759195
Bromomethane	U		0.605	2.50	1	10/19/2021 00:29	WG1759195
n-Butylbenzene	0.250	B J	0.157	0.500	1	10/19/2021 00:29	WG1759195
sec-Butylbenzene	U		0.125	0.500	1	10/19/2021 00:29	WG1759195
tert-Butylbenzene	U		0.127	0.500	1	10/19/2021 00:29	WG1759195
Carbon disulfide	0.246	J	0.0962	0.500	1	10/19/2021 00:29	WG1759195
Carbon tetrachloride	U		0.128	0.500	1	10/19/2021 00:29	WG1759195
Chlorobenzene	U		0.117	0.500	1	10/19/2021 00:29	WG1759195
Chlorodibromomethane	U		0.140	0.500	1	10/19/2021 00:29	WG1759195
Chloroethane	U		0.192	2.50	1	10/19/2021 00:29	WG1759195
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/19/2021 00:29	WG1759195
Chloroform	U		0.111	0.500	1	10/19/2021 00:29	WG1759195
Chloromethane	U		0.960	1.25	1	10/19/2021 00:29	WG1759195
2-Chlorotoluene	U		0.106	0.500	1	10/19/2021 00:29	WG1759195
4-Chlorotoluene	U		0.114	0.500	1	10/19/2021 00:29	WG1759195
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/19/2021 00:29	WG1759195
1,2-Dibromoethane	U		0.126	0.500	1	10/19/2021 00:29	WG1759195
Dibromomethane	U		0.122	0.500	1	10/19/2021 00:29	WG1759195
1,2-Dichlorobenzene	U		0.107	0.500	1	10/19/2021 00:29	WG1759195
1,3-Dichlorobenzene	U		0.299	0.500	1	10/19/2021 00:29	WG1759195
1,4-Dichlorobenzene	U		0.120	0.500	1	10/19/2021 00:29	WG1759195
Dichlorodifluoromethane	U	C3	0.374	2.50	1	10/19/2021 00:29	WG1759195
1,1-Dichloroethane	U		0.100	0.500	1	10/19/2021 00:29	WG1759195
1,2-Dichloroethane	U		0.0819	0.500	1	10/19/2021 00:29	WG1759195
1,1-Dichloroethene	U		0.188	0.500	1	10/19/2021 00:29	WG1759195
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/19/2021 00:29	WG1759195
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/19/2021 00:29	WG1759195
1,2-Dichloropropane	U	J4	0.149	0.500	1	10/19/2021 00:29	WG1759195
1,1-Dichloropropene	U		0.142	0.500	1	10/19/2021 00:29	WG1759195
1,3-Dichloropropane	U	J4	0.109	1.00	1	10/19/2021 00:29	WG1759195
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/19/2021 00:29	WG1759195
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/19/2021 00:29	WG1759195
trans-1,4-Dichloro-2-butene	U	C3	0.467	5.00	1	10/19/2021 00:29	WG1759195
2,2-Dichloropropane	U		0.161	0.500	1	10/19/2021 00:29	WG1759195
Di-isopropyl ether	U		0.105	0.500	1	10/19/2021 00:29	WG1759195
Ethylbenzene	U		0.137	0.500	1	10/19/2021 00:29	WG1759195
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/19/2021 00:29	WG1759195
2-Hexanone	U	J4	0.787	5.00	1	10/19/2021 00:29	WG1759195
n-Hexane	U		0.749	5.00	1	10/19/2021 00:29	WG1759195
Iodomethane	U		0.554	5.00	1	10/19/2021 00:29	WG1759195
Isopropylbenzene	U		0.105	0.500	1	10/19/2021 00:29	WG1759195
p-Isopropyltoluene	U		0.120	0.500	1	10/19/2021 00:29	WG1759195
2-Butanone (MEK)	U		1.19	5.00	1	10/19/2021 00:29	WG1759195
Methylene Chloride	U		0.430	2.50	1	10/19/2021 00:29	WG1759195
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/19/2021 00:29	WG1759195
Methyl tert-butyl ether	U		0.101	0.500	1	10/19/2021 00:29	WG1759195
Naphthalene	0.475	B J	0.174	2.50	1	10/19/2021 00:29	WG1759195
n-Propylbenzene	U		0.0993	0.500	1	10/19/2021 00:29	WG1759195
Styrene	U		0.118	0.500	1	10/19/2021 00:29	WG1759195
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/19/2021 00:29	WG1759195

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/19/2021 00:29	WG1759195
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/19/2021 00:29	WG1759195
Tetrachloroethene	U		0.300	0.500	1	10/19/2021 00:29	WG1759195
Toluene	U		0.278	0.500	1	10/19/2021 00:29	WG1759195
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/24/2021 20:46	WG1762641
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/19/2021 00:29	WG1759195
1,1,1-Trichloroethane	U		0.149	0.500	1	10/19/2021 00:29	WG1759195
1,1,2-Trichloroethane	U		0.158	0.500	1	10/19/2021 00:29	WG1759195
Trichloroethene	U		0.190	0.500	1	10/19/2021 00:29	WG1759195
Trichlorofluoromethane	U		0.160	2.50	1	10/19/2021 00:29	WG1759195
1,2,3-Trichloropropane	U		0.237	2.50	1	10/19/2021 00:29	WG1759195
1,2,4-Trimethylbenzene	0.331	J	0.322	0.500	1	10/19/2021 00:29	WG1759195
1,2,3-Trimethylbenzene	0.124	B J	0.104	0.500	1	10/19/2021 00:29	WG1759195
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/19/2021 00:29	WG1759195
Vinyl acetate	U	C3	0.692	5.00	1	10/19/2021 00:29	WG1759195
Vinyl chloride	U		0.234	0.500	1	10/19/2021 00:29	WG1759195
Xylenes, Total	0.604	J	0.174	1.50	1	10/19/2021 00:29	WG1759195
(S) Toluene-d8	*113*			*80.0-120*		*10/19/2021 00:29*	WG1759195
(S) Toluene-d8	*106*			*80.0-120*		*10/24/2021 20:46*	WG1762641
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/19/2021 00:29*	WG1759195
(S) 4-Bromofluorobenzene	*96.8*			*77.0-126*		*10/24/2021 20:46*	WG1762641
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/19/2021 00:29*	WG1759195
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*10/24/2021 20:46*	WG1762641

Method Blank (MB)

(MB) R3719505-1 10/21/21 09:03

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Lead,Dissolved	U		0.849	2.00

Laboratory Control Sample (LCS)

(LCS) R3719505-2 10/21/21 09:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead,Dissolved	50.0	46.3	92.7	80.0-120	

L1415506-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415506-04 10/21/21 09:10 • (MS) R3719505-4 10/21/21 09:16 • (MSD) R3719505-5 10/21/21 09:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead,Dissolved	50.0	U	47.4	48.1	94.8	96.2	1	75.0-125			1.57	20

Method Blank (MB)

(MB) R3718115-2 10/18/21 09:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2-Dibromo-3-Chloropropane	U		0.000520	0.00500

Laboratory Control Sample (LCS)

(LCS) R3718115-1 10/18/21 09:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2-Dibromo-3-Chloropropane	0.0500	0.0510	102	70.0-130	

L1415392-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415392-04 10/18/21 15:55 • (MS) R3718115-3 10/18/21 17:54 • (MSD) R3718115-4 10/18/21 18:17

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2-Dibromo-3-Chloropropane	5.00	U	5.20	5.40	104	108	100	70.0-130			3.77	20

Sample Narrative:

OS: Non-target compounds too high to run at a lower dilution.

Method Blank (MB)

(MB) R3720042-3 10/18/21 22:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	25.0
Acrylonitrile	U		0.671	5.00
Benzene	U		0.0941	0.500
Bromobenzene	U		0.118	0.500
Bromodichloromethane	U		0.136	0.500
Bromochloromethane	U		0.128	0.500
Bromoform	U		0.129	0.500
Bromomethane	U		0.605	2.50
n-Butylbenzene	0.418	J	0.157	0.500
sec-Butylbenzene	0.193	J	0.125	0.500
tert-Butylbenzene	0.128	J	0.127	0.500
Carbon disulfide	U		0.0962	0.500
Carbon tetrachloride	U		0.128	0.500
Chlorobenzene	U		0.117	0.500
Chlorodibromomethane	U		0.140	0.500
Chloroethane	U		0.192	2.50
2-Chloroethyl vinyl ether	U		0.575	50.0
Chloroform	U		0.111	0.500
Chloromethane	U		0.960	1.25
2-Chlorotoluene	U		0.106	0.500
4-Chlorotoluene	U		0.114	0.500
1,2-Dibromo-3-Chloropropane	U		0.276	2.50
1,2-Dibromoethane	U		0.126	0.500
Dibromomethane	U		0.122	0.500
1,2-Dichlorobenzene	U		0.107	0.500
1,3-Dichlorobenzene	U		0.299	0.500
1,4-Dichlorobenzene	U		0.120	0.500
trans-1,4-Dichloro-2-butene	U		0.467	5.00
Dichlorodifluoromethane	U		0.374	2.50
1,1-Dichloroethane	U		0.100	0.500
1,2-Dichloroethane	U		0.0819	0.500
1,1-Dichloroethene	U		0.188	0.500
cis-1,2-Dichloroethene	U		0.126	0.500
trans-1,2-Dichloroethene	U		0.149	0.500
1,2-Dichloropropane	U		0.149	0.500
1,1-Dichloropropene	U		0.142	0.500
1,3-Dichloropropane	U		0.109	1.00
cis-1,3-Dichloropropene	U		0.111	0.500
trans-1,3-Dichloropropene	U		0.118	0.500
2,2-Dichloropropane	U		0.161	0.500

Method Blank (MB)

(MB) R3720042-3 10/18/21 22:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.105	0.500
Ethylbenzene	U		0.137	0.500
Hexachloro-1,3-butadiene	0.716	J	0.337	1.00
2-Hexanone	U		0.787	5.00
n-Hexane	U		0.749	5.00
Iodomethane	U		0.554	5.00
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	0.182	J	0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	0.665	J	0.174	2.50
n-Propylbenzene	0.102	J	0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
1,2,3-Trichlorobenzene	0.883		0.164	0.500
1,2,4-Trichlorobenzene	0.488	J	0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,3-Trimethylbenzene	0.141	J	0.104	0.500
1,2,4-Trimethylbenzene	U		0.322	0.500
1,3,5-Trimethylbenzene	0.173	J	0.104	0.500
Vinyl acetate	U		0.692	5.00
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	*116*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3720042-1 10/18/21 21:49 • (LCSD) R3720042-2 10/18/21 22:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	22.2	25.9	88.8	104	19.0-160			15.4	27
Acrylonitrile	25.0	31.2	31.3	125	125	55.0-149			0.320	20
Benzene	5.00	5.00	4.84	100	96.8	70.0-123			3.25	20
Bromobenzene	5.00	5.24	5.27	105	105	73.0-121			0.571	20
Bromodichloromethane	5.00	4.79	4.72	95.8	94.4	75.0-120			1.47	20
Bromochloromethane	5.00	4.86	4.91	97.2	98.2	76.0-122			1.02	20
Bromoform	5.00	5.81	5.95	116	119	68.0-132			2.38	20
Bromomethane	5.00	5.03	5.10	101	102	10.0-160			1.38	25
n-Butylbenzene	5.00	5.14	5.26	103	105	73.0-125			2.31	20
sec-Butylbenzene	5.00	5.44	5.51	109	110	75.0-125			1.28	20
tert-Butylbenzene	5.00	5.42	5.28	108	106	76.0-124			2.62	20
Carbon disulfide	5.00	4.34	4.23	86.8	84.6	61.0-128			2.57	20
Carbon tetrachloride	5.00	4.14	4.09	82.8	81.8	68.0-126			1.22	20
Chlorobenzene	5.00	5.53	5.44	111	109	80.0-121			1.64	20
Chlorodibromomethane	5.00	5.46	5.27	109	105	77.0-125			3.54	20
Chloroethane	5.00	6.76	6.93	135	139	47.0-150			2.48	20
2-Chloroethyl vinyl ether	25.0	38.0	36.4	152	146	51.0-160			4.30	20
Chloroform	5.00	4.51	4.44	90.2	88.8	73.0-120			1.56	20
Chloromethane	5.00	5.37	5.34	107	107	41.0-142			0.560	20
2-Chlorotoluene	5.00	5.29	5.36	106	107	76.0-123			1.31	20
4-Chlorotoluene	5.00	5.42	5.29	108	106	75.0-122			2.43	20
1,2-Dibromo-3-Chloropropane	5.00	5.42	5.63	108	113	58.0-134			3.80	20
1,2-Dibromoethane	5.00	5.82	5.68	116	114	80.0-122			2.43	20
Dibromomethane	5.00	4.75	4.83	95.0	96.6	80.0-120			1.67	20
1,2-Dichlorobenzene	5.00	5.48	5.76	110	115	79.0-121			4.98	20
1,3-Dichlorobenzene	5.00	5.63	5.60	113	112	79.0-120			0.534	20
1,4-Dichlorobenzene	5.00	5.70	5.69	114	114	79.0-120			0.176	20
trans-1,4-Dichloro-2-butene	5.00	3.15	3.84	63.0	76.8	33.0-144			19.7	20
Dichlorodifluoromethane	5.00	3.71	3.66	74.2	73.2	51.0-149			1.36	20
1,1-Dichloroethane	5.00	5.66	5.78	113	116	70.0-126			2.10	20
1,2-Dichloroethane	5.00	5.00	4.91	100	98.2	70.0-128			1.82	20
1,1-Dichloroethene	5.00	4.20	4.28	84.0	85.6	71.0-124			1.89	20
cis-1,2-Dichloroethene	5.00	4.54	4.46	90.8	89.2	73.0-120			1.78	20
trans-1,2-Dichloroethene	5.00	4.78	4.75	95.6	95.0	73.0-120			0.630	20
1,2-Dichloropropane	5.00	6.75	6.55	135	131	77.0-125	J4	J4	3.01	20
1,1-Dichloropropene	5.00	4.52	4.25	90.4	85.0	74.0-126			6.16	20
1,3-Dichloropropane	5.00	6.10	5.91	122	118	80.0-120	J4		3.16	20
cis-1,3-Dichloropropene	5.00	5.45	5.36	109	107	80.0-123			1.67	20
trans-1,3-Dichloropropene	5.00	5.93	5.93	119	119	78.0-124			0.000	20
2,2-Dichloropropane	5.00	5.01	5.12	100	102	58.0-130			2.17	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3720042-1 10/18/21 21:49 • (LCSD) R3720042-2 10/18/21 22:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	5.00	4.90	4.98	98.0	99.6	58.0-138			1.62	20
Ethylbenzene	5.00	5.66	5.63	113	113	79.0-123			0.531	20
Hexachloro-1,3-butadiene	5.00	6.72	6.72	134	134	54.0-138			0.000	20
2-Hexanone	25.0	41.9	41.9	168	168	67.0-149	J4	J4	0.000	20
n-Hexane	5.00	5.58	5.75	112	115	57.0-133			3.00	20
Iodomethane	25.0	22.7	22.4	90.8	89.6	33.0-147			1.33	26
Isopropylbenzene	5.00	5.44	5.40	109	108	76.0-127			0.738	20
p-Isopropyltoluene	5.00	5.48	5.42	110	108	76.0-125			1.10	20
2-Butanone (MEK)	25.0	25.9	26.7	104	107	44.0-160			3.04	20
Methylene Chloride	5.00	4.48	4.48	89.6	89.6	67.0-120			0.000	20
4-Methyl-2-pentanone (MIBK)	25.0	28.8	28.3	115	113	68.0-142			1.75	20
Methyl tert-butyl ether	5.00	4.48	4.47	89.6	89.4	68.0-125			0.223	20
Naphthalene	5.00	5.69	6.09	114	122	54.0-135			6.79	20
n-Propylbenzene	5.00	5.54	5.41	111	108	77.0-124			2.37	20
Styrene	5.00	5.63	5.55	113	111	73.0-130			1.43	20
1,1,1,2-Tetrachloroethane	5.00	5.16	5.62	103	112	75.0-125			8.53	20
1,1,2,2-Tetrachloroethane	5.00	5.65	5.72	113	114	65.0-130			1.23	20
Tetrachloroethene	5.00	5.79	5.62	116	112	72.0-132			2.98	20
Toluene	5.00	5.33	5.36	107	107	79.0-120			0.561	20
1,1,2-Trichlorotrifluoroethane	5.00	3.83	3.81	76.6	76.2	69.0-132			0.524	20
1,2,3-Trichlorobenzene	5.00	6.00	6.81	120	136	50.0-138			12.6	20
1,2,4-Trichlorobenzene	5.00	6.35	6.74	127	135	57.0-137			5.96	20
1,1,1-Trichloroethane	5.00	4.42	4.39	88.4	87.8	73.0-124			0.681	20
1,1,2-Trichloroethane	5.00	5.74	5.75	115	115	80.0-120			0.174	20
Trichloroethene	5.00	4.68	4.55	93.6	91.0	78.0-124			2.82	20
Trichlorofluoromethane	5.00	3.87	3.82	77.4	76.4	59.0-147			1.30	20
1,2,3-Trichloropropane	5.00	5.55	5.52	111	110	73.0-130			0.542	20
1,2,3-Trimethylbenzene	5.00	5.24	5.28	105	106	77.0-120			0.760	20
1,2,4-Trimethylbenzene	5.00	5.48	5.29	110	106	76.0-121			3.53	20
1,3,5-Trimethylbenzene	5.00	5.54	5.54	111	111	76.0-122			0.000	20
Vinyl acetate	25.0	30.7	28.7	123	115	11.0-160			6.73	20
Vinyl chloride	5.00	6.12	6.04	122	121	67.0-131			1.32	20
Xylenes, Total	15.0	16.8	16.7	112	111	79.0-123			0.597	20
(S) Toluene-d8				*114*	*114*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.4*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*101*	*105*	*70.0-130*				

L1415775-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415775-04 10/19/21 02:32 • (MS) R3720042-4 10/19/21 07:17 • (MSD) R3720042-5 10/19/21 07:37

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2-Chloroethyl vinyl ether	25.0	U	U	U	0.000	0.000	1	10.0-160	J6	J6	0.000	31
Acetone	25.0	U	26.5	28.4	106	114	1	10.0-160			6.92	35
Acrylonitrile	25.0	U	33.8	36.1	135	144	1	21.0-160			6.58	32
Benzene	5.00	U	4.80	5.00	96.0	100	1	17.0-158			4.08	27
Bromobenzene	5.00	U	5.04	5.20	101	104	1	30.0-149			3.12	28
1,2-Dibromoethane	5.00	U	5.30	5.41	106	108	1	34.0-147			2.05	27
Bromodichloromethane	5.00	U	5.27	5.04	105	101	1	31.0-150			4.46	27
Bromochloromethane	5.00	U	4.67	4.96	93.4	99.2	1	38.0-142			6.02	26
Bromoform	5.00	U	5.75	6.14	115	123	1	29.0-150			6.56	29
Bromomethane	5.00	U	4.94	4.92	98.8	98.4	1	10.0-160			0.406	38
n-Butylbenzene	5.00	U	4.72	5.32	94.4	106	1	31.0-150			12.0	30
sec-Butylbenzene	5.00	U	5.28	5.98	106	120	1	33.0-155			12.4	29
tert-Butylbenzene	5.00	U	4.96	5.63	99.2	113	1	34.0-153			12.7	28
Carbon disulfide	5.00	U	3.49	3.71	69.8	74.2	1	10.0-156			6.11	28
Carbon tetrachloride	5.00	U	5.16	5.19	103	104	1	23.0-159			0.580	28
Chlorobenzene	5.00	U	5.27	5.63	105	113	1	33.0-152			6.61	27
Chlorodibromomethane	5.00	U	5.34	5.56	107	111	1	37.0-149			4.04	27
Chloroethane	5.00	U	6.99	7.39	140	148	1	10.0-160			5.56	30
Chloroform	5.00	U	4.91	5.02	98.2	100	1	29.0-154			2.22	28
Chloromethane	5.00	U	5.57	5.53	111	111	1	10.0-160			0.721	29
trans-1,4-Dichloro-2-butene	5.00	U	4.08	3.75	81.6	75.0	1	10.0-157			8.43	37
2-Chlorotoluene	5.00	U	5.09	5.59	102	112	1	32.0-153			9.36	28
4-Chlorotoluene	5.00	U	4.96	5.44	99.2	109	1	32.0-150			9.23	28
1,2-Dibromo-3-Chloropropane	5.00	U	4.48	5.42	89.6	108	1	22.0-151			19.0	34
2-Hexanone	25.0	U	41.8	45.3	167	181	1	21.0-160	J5	J5	8.04	29
Dibromomethane	5.00	U	4.82	4.78	96.4	95.6	1	30.0-151			0.833	27
1,2-Dichlorobenzene	5.00	U	5.36	5.80	107	116	1	34.0-149			7.89	28
n-Hexane	5.00	U	5.99	6.26	120	125	1	10.0-153			4.41	28
1,3-Dichlorobenzene	5.00	U	5.28	5.71	106	114	1	36.0-146			7.83	27
Iodomethane	25.0	U	21.7	21.8	86.8	87.2	1	10.0-160			0.460	40
1,4-Dichlorobenzene	5.00	U	5.19	5.70	104	114	1	35.0-142			9.37	27
Dichlorodifluoromethane	5.00	U	4.44	4.31	88.8	86.2	1	10.0-160			2.97	29
1,1-Dichloroethane	5.00	U	6.12	6.21	122	124	1	25.0-158			1.46	27
1,2-Dichloroethane	5.00	U	5.54	5.65	111	113	1	29.0-151			1.97	27
1,1-Dichloroethene	5.00	U	4.46	4.58	89.2	91.6	1	11.0-160			2.65	29
cis-1,2-Dichloroethene	5.00	U	4.49	4.55	89.8	91.0	1	10.0-160			1.33	27
trans-1,2-Dichloroethene	5.00	U	4.58	4.55	91.6	91.0	1	17.0-153			0.657	27
1,2-Dichloropropane	5.00	U	6.80	6.93	136	139	1	30.0-156			1.89	27
1,1-Dichloropropene	5.00	U	4.84	4.79	96.8	95.8	1	25.0-158			1.04	27
1,3-Dichloropropane	5.00	U	5.61	5.94	112	119	1	38.0-147			5.71	27

L1415775-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1415775-04 10/19/21 02:32 • (MS) R3720042-4 10/19/21 07:17 • (MSD) R3720042-5 10/19/21 07:37

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
cis-1,3-Dichloropropene	5.00	U	5.18	5.08	104	102	1	34.0-149			1.95	28
trans-1,3-Dichloropropene	5.00	U	5.72	5.94	114	119	1	32.0-149			3.77	28
2,2-Dichloropropane	5.00	U	6.04	5.99	121	120	1	24.0-152			0.831	29
Di-isopropyl ether	5.00	U	5.65	5.62	113	112	1	21.0-160			0.532	28
Ethylbenzene	5.00	U	5.70	5.88	114	118	1	30.0-155			3.11	27
1,2,3-Trichloropropane	5.00	U	5.61	5.54	112	111	1	34.0-151			1.26	29
Hexachloro-1,3-butadiene	5.00	U	6.23	6.80	125	136	1	20.0-154			8.75	34
Isopropylbenzene	5.00	U	5.37	5.67	107	113	1	28.0-157			5.43	27
Vinyl acetate	25.0	U	35.6	36.3	142	145	1	12.0-160			1.95	31
p-Isopropyltoluene	5.00	U	5.08	5.76	102	115	1	30.0-154			12.5	29
2-Butanone (MEK)	25.0	U	28.2	30.2	113	121	1	10.0-160			6.85	32
Methylene Chloride	5.00	U	4.54	4.52	90.8	90.4	1	23.0-144			0.442	28
4-Methyl-2-pentanone (MIBK)	25.0	U	31.6	33.4	126	134	1	29.0-160			5.54	29
Methyl tert-butyl ether	5.00	U	4.74	4.72	94.8	94.4	1	28.0-150			0.423	29
Naphthalene	5.00	U	3.85	5.15	77.0	103	1	12.0-156			28.9	35
n-Propylbenzene	5.00	U	5.16	5.76	103	115	1	31.0-154			11.0	28
Styrene	5.00	U	5.19	5.53	104	111	1	33.0-155			6.34	28
1,1,1,2-Tetrachloroethane	5.00	U	5.48	5.76	110	115	1	36.0-151			4.98	29
1,1,2,2-Tetrachloroethane	5.00	U	5.47	5.56	109	111	1	33.0-150			1.63	28
Tetrachloroethene	5.00	U	5.43	5.75	109	115	1	10.0-160			5.72	27
Toluene	5.00	U	5.05	5.26	101	105	1	26.0-154			4.07	28
1,1,2-Trichlorotrifluoroethane	5.00	U	4.61	5.03	92.2	101	1	23.0-160			8.71	30
1,2,3-Trichlorobenzene	5.00	U	4.86	6.33	97.2	127	1	17.0-150			26.3	36
1,2,4-Trichlorobenzene	5.00	U	4.88	6.15	97.6	123	1	24.0-150			23.0	33
1,1,1-Trichloroethane	5.00	U	5.41	5.30	108	106	1	23.0-160			2.05	28
1,1,2-Trichloroethane	5.00	U	5.43	5.88	109	118	1	35.0-147			7.96	27
Trichloroethene	5.00	U	4.76	4.80	95.2	96.0	1	10.0-160			0.837	25
Trichlorofluoromethane	5.00	U	5.22	5.20	104	104	1	17.0-160			0.384	31
1,2,3-Trimethylbenzene	5.00	U	4.94	5.24	98.8	105	1	32.0-149			5.89	28
1,2,4-Trimethylbenzene	5.00	U	4.90	5.35	98.0	107	1	26.0-154			8.78	27
1,3,5-Trimethylbenzene	5.00	U	5.19	5.58	104	112	1	28.0-153			7.24	27
Vinyl chloride	5.00	U	6.42	6.56	128	131	1	10.0-160			2.16	27
Xylenes, Total	15.0	U	15.7	16.6	105	111	1	29.0-154			5.57	28
(S) Toluene-d8					*110*	*109*		*80.0-120*				
(S) 4-Bromofluorobenzene					*97.4*	*99.3*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*120*	*117*		*70.0-130*				

Method Blank (MB)

(MB) R3720887-2 10/24/21 19:35

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,2,3-Trichlorobenzene	U		0.164	0.500
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3720887-3 10/24/21 22:08

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2,3-Trichlorobenzene	5.00	4.39	87.8	50.0-138	
(S) Toluene-d8			*106*	*80.0-120*	
(S) 4-Bromofluorobenzene			*94.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*95.2*	*70.0-130*	

Method Blank (MB)

(MB) R3717298-3 10/15/21 23:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetophenone	U		0.208	10.0
Atrazine	U		0.255	10.0
Benzaldehyde	U		1.69	10.0
Biphenyl	U		0.790	10.0
Bis(2-chlorethoxy)methane	U		0.116	5.00
Bis(2-chloroethyl)ether	U		0.137	1.00
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00
4-Bromophenyl-phenylether	U		0.0877	10.0
Caprolactam	U		0.309	10.0
Carbazole	U		0.111	10.0
4-Chloroaniline	U		0.234	5.00
4-Chlorophenyl-phenylether	U		0.0926	10.0
3,3-Dichlorobenzidine	U		0.212	10.0
2,4-Dinitrotoluene	U		0.0983	10.0
2,6-Dinitrotoluene	U		0.250	5.00
Hexachloro-1,3-butadiene	U		0.0968	10.0
Hexachlorocyclopentadiene	U		0.0598	5.00
Hexachloroethane	U		0.127	5.00
Isophorone	U		0.143	10.0
2-Nitroaniline	U		0.102	10.0
3-Nitroaniline	U		0.0869	5.00
4-Nitroaniline	U		0.0910	10.0
Nitrobenzene	U		0.297	10.0
n-Nitrosodiphenylamine	U		2.37	10.0
n-Nitrosodi-n-propylamine	U		0.261	10.0
Benzylbutyl phthalate	U		0.765	3.00
Bis(2-ethylhexyl)phthalate	U		0.895	3.00
Di-n-butyl phthalate	U		0.453	3.00
Diethyl phthalate	U		0.287	3.00
Dimethyl phthalate	U		0.260	3.00
Di-n-octyl phthalate	U		0.932	3.00
4-Chloro-3-methylphenol	U		0.131	1.00
2-Chlorophenol	U		0.133	1.00
2-Methylphenol	U		0.0929	1.00
3&4-Methyl Phenol	U		0.168	1.00
2,4-Dichlorophenol	U		0.102	5.00
2,4-Dimethylphenol	U		0.0636	10.0
4,6-Dinitro-2-methylphenol	U		1.12	10.0
2,4-Dinitrophenol	U		5.93	10.0
2-Nitrophenol	U		0.117	10.0

Method Blank (MB)

(MB) R3717298-3 10/15/21 23:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4-Nitrophenol	U		0.143	10.0
Pentachlorophenol	U		0.313	1.00
Phenol	U		4.33	10.0
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0
2,4,5-Trichlorophenol	U		0.109	1.00
2,4,6-Trichlorophenol	U		0.100	1.00
(S) Nitrobenzene-d5	*58.9*			*10.0-127*
(S) 2-Fluorobiphenyl	*70.6*			*10.0-130*
(S) p-Terphenyl-d14	*69.0*			*10.0-128*
(S) Phenol-d5	*17.7*			*10.0-120*
(S) 2-Fluorophenol	*28.5*			*10.0-120*
(S) 2,4,6-Tribromophenol	*55.0*			*10.0-155*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3717298-1 10/15/21 23:11 • (LCSD) R3717298-2 10/15/21 23:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetophenone	50.0	40.9	38.1	81.8	76.2	29.0-120			7.09	28
Atrazine	50.0	45.3	46.8	90.6	93.6	39.0-141			3.26	20
Benzaldehyde	50.0	41.7	38.0	83.4	76.0	10.0-160			9.28	40
Biphenyl	50.0	39.5	37.9	79.0	75.8	38.0-120			4.13	27
Bis(2-chlorethoxy)methane	50.0	33.3	32.4	66.6	64.8	33.0-120			2.74	24
Bis(2-chloroethyl)ether	50.0	35.6	33.1	71.2	66.2	23.0-120			7.28	33
2,2-Oxybis(1-Chloropropane)	50.0	35.9	32.7	71.8	65.4	28.0-120			9.33	31
4-Bromophenyl-phenylether	50.0	46.8	44.4	93.6	88.8	45.0-120			5.26	20
Caprolactam	50.0	8.63	10.5	17.3	21.0	10.0-120			19.6	26
Carbazole	50.0	46.0	43.8	92.0	87.6	51.0-122			4.90	20
4-Chloroaniline	50.0	22.1	27.0	44.2	54.0	25.0-120			20.0	25
4-Chlorophenyl-phenylether	50.0	43.6	42.5	87.2	85.0	44.0-120			2.56	20
3,3-Dichlorobenzidine	100	91.2	93.2	91.2	93.2	44.0-120			2.17	20
2,4-Dinitrotoluene	50.0	43.3	42.9	86.6	85.8	49.0-124			0.928	20
2,6-Dinitrotoluene	50.0	41.3	40.4	82.6	80.8	46.0-120			2.20	21
Hexachloro-1,3-butadiene	50.0	32.1	29.8	64.2	59.6	19.0-120			7.43	32
Hexachlorocyclopentadiene	50.0	25.0	24.8	50.0	49.6	15.0-120			0.803	31
Hexachloroethane	50.0	31.3	27.9	62.6	55.8	15.0-120			11.5	37
Isophorone	50.0	35.6	35.1	71.2	70.2	36.0-120			1.41	23
2-Nitroaniline	50.0	43.7	43.0	87.4	86.0	43.0-120			1.61	22
3-Nitroaniline	50.0	36.5	38.8	73.0	77.6	38.0-120			6.11	21

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3717298-1 10/15/21 23:11 • (LCSD) R3717298-2 10/15/21 23:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Nitroaniline	50.0	44.1	44.1	88.2	88.2	18.0-160			0.000	21
Nitrobenzene	50.0	31.4	29.8	62.8	59.6	27.0-120			5.23	29
n-Nitrosodiphenylamine	50.0	41.2	39.0	82.4	78.0	47.0-120			5.49	20
n-Nitrosodi-n-propylamine	50.0	39.2	37.1	78.4	74.2	31.0-120			5.50	28
Benzylbutyl phthalate	50.0	34.7	34.3	69.4	68.6	43.0-121			1.16	20
Bis(2-ethylhexyl)phthalate	50.0	32.6	32.4	65.2	64.8	43.0-122			0.615	20
Di-n-butyl phthalate	50.0	44.7	43.8	89.4	87.6	49.0-121			2.03	20
Diethyl phthalate	50.0	43.3	42.4	86.6	84.8	48.0-122			2.10	20
Dimethyl phthalate	50.0	43.6	42.3	87.2	84.6	48.0-120			3.03	20
Di-n-octyl phthalate	50.0	32.3	32.0	64.6	64.0	42.0-125			0.933	20
4-Chloro-3-methylphenol	50.0	35.1	31.7	70.2	63.4	40.0-120			10.2	21
2-Chlorophenol	50.0	30.0	24.6	60.0	49.2	25.0-120			19.8	35
2-Methylphenol	50.0	26.5	22.7	53.0	45.4	28.0-120			15.4	29
3&4-Methyl Phenol	50.0	29.0	25.0	58.0	50.0	31.0-120			14.8	30
2,4-Dichlorophenol	50.0	34.6	31.1	69.2	62.2	36.0-120			10.7	26
2,4-Dimethylphenol	50.0	32.3	29.4	64.6	58.8	33.0-120			9.40	26
4,6-Dinitro-2-methylphenol	50.0	42.3	42.6	84.6	85.2	38.0-138			0.707	25
2,4-Dinitrophenol	50.0	18.3	30.3	36.6	60.6	10.0-120		J3	49.4	39
2-Nitrophenol	50.0	32.7	30.8	65.4	61.6	31.0-120			5.98	29
4-Nitrophenol	50.0	15.1	14.7	30.2	29.4	10.0-120			2.68	33
Pentachlorophenol	50.0	37.9	42.5	75.8	85.0	23.0-120			11.4	25
Phenol	50.0	11.5	10.6	23.0	21.2	10.0-120			8.14	36
1,2,4,5-Tetrachlorobenzene	50.0	44.5	42.6	89.0	85.2	31.0-121			4.36	27
2,4,5-Trichlorophenol	50.0	41.7	38.9	83.4	77.8	44.0-120			6.95	22
2,4,6-Trichlorophenol	50.0	41.8	39.8	83.6	79.6	42.0-120			4.90	23
(S) Nitrobenzene-d5				*45.5*	*41.7*	*10.0-127*				
(S) 2-Fluorobiphenyl				*76.3*	*73.6*	*10.0-130*				
(S) p-Terphenyl-d14				*70.8*	*69.8*	*10.0-128*				
(S) Phenol-d5				*21.9*	*20.4*	*10.0-120*				
(S) 2-Fluorophenol				*33.6*	*29.3*	*10.0-120*				
(S) 2,4,6-Tribromophenol				*83.0*	*80.5*	*10.0-155*				

Method Blank (MB)

(MB) R3717075-3 10/14/21 19:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0171	0.0500
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(g,h,i)perylene	U		0.0184	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Fluoranthene	U		0.0270	0.100
Fluorene	U		0.0169	0.0500
Hexachlorobenzene	U		0.00670	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
Phenanthrene	U		0.0180	0.0500
Pyrene	U		0.0169	0.0500
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
2-Chloronaphthalene	U		0.0682	0.250
Dibenzofuran	U		0.0191	0.0500
(S) Nitrobenzene-d5	*81.0*			*31.0-160*
(S) 2-Fluorobiphenyl	*96.0*			*48.0-148*
(S) p-Terphenyl-d14	*119*			*37.0-146*

Method Blank (MB)

(MB) R3717956-1 10/15/21 20:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0171	0.0500
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(g,h,i)perylene	U		0.0184	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500

Method Blank (MB)

(MB) R3717956-1 10/15/21 20:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Dibenz(a,h)anthracene	U		0.0160	0.0500
Fluoranthene	U		0.0270	0.100
Fluorene	U		0.0169	0.0500
Hexachlorobenzene	U		0.00670	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
Phenanthrene	U		0.0180	0.0500
Pyrene	U		0.0169	0.0500
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
2-Chloronaphthalene	U		0.0682	0.250
Dibenzofuran	U		0.0191	0.0500
(S) Nitrobenzene-d5	*82.0*			*31.0-160*
(S) 2-Fluorobiphenyl	*98.0*			*48.0-148*
(S) p-Terphenyl-d14	*116*			*37.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3717075-1 10/14/21 18:47 • (LCSD) R3717075-2 10/14/21 19:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dibenzofuran	2.00	1.96	2.03	98.0	102	67.0-134			3.51	20
Anthracene	2.00	2.04	2.04	102	102	67.0-150			0.000	20
Acenaphthene	2.00	1.99	2.05	99.5	103	65.0-138			2.97	20
Acenaphthylene	2.00	2.07	2.13	104	106	66.0-140			2.86	20
Benzo(a)anthracene	2.00	1.95	2.03	97.5	102	61.0-140			4.02	20
Benzo(a)pyrene	2.00	1.91	2.02	95.5	101	60.0-143			5.60	20
Benzo(b)fluoranthene	2.00	1.94	2.05	97.0	103	58.0-141			5.51	20
Benzo(g,h,i)perylene	2.00	1.90	2.03	95.0	102	52.0-153			6.62	20
Benzo(k)fluoranthene	2.00	1.97	2.09	98.5	104	58.0-148			5.91	20
Chrysene	2.00	2.00	2.08	100	104	64.0-144			3.92	20
Dibenz(a,h)anthracene	2.00	1.89	1.99	94.5	99.5	52.0-155			5.15	20
Fluoranthene	2.00	1.96	2.00	98.0	100	69.0-153			2.02	20
Fluorene	2.00	1.92	2.02	96.0	101	64.0-136			5.08	20
Indeno(1,2,3-cd)pyrene	2.00	1.85	1.95	92.5	97.5	54.0-153			5.26	20
Hexachlorobenzene	2.00	2.05	2.09	103	104	40.0-140			1.93	20
Naphthalene	2.00	2.00	2.04	100	102	61.0-137			1.98	20
Phenanthrene	2.00	2.06	2.10	103	105	62.0-137			1.92	20
Pyrene	2.00	2.04	2.18	102	109	60.0-142			6.64	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3717075-1 10/14/21 18:47 • (LCSD) R3717075-2 10/14/21 19:04

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1-Methylnaphthalene	2.00	1.92	1.97	96.0	98.5	66.0-142			2.57	20
2-Methylnaphthalene	2.00	1.81	1.86	90.5	93.0	62.0-136			2.72	20
2-Chloronaphthalene	2.00	1.95	2.01	97.5	100	64.0-140			3.03	20
(S) Nitrobenzene-d5				*83.0*	*85.5*	*31.0-160*				
(S) 2-Fluorobiphenyl				*96.0*	*99.0*	*48.0-148*				
(S) p-Terphenyl-d14				*117*	*122*	*37.0-146*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Arcadis - Chevron - NY

50 Millstone Rd.
Bldg 200, Suite 220
East Windsor. NJ 08520

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Pres Chk

Report to: **Ryan Merrell**

Email To: ed.meyer@arcadis.com;christopher.laprus@arc

Project Description: **Pod 4 - Beacon PMG00037**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **609-860-0590**

Client Project # **30064362.19.45**

Lab Project # **CHEVARCNY-BEACON**

Collected by (print): Kirk Vargo / Shannon Torhan

Site/Facility ID # **PMG00037**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

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SDG # L1415922

G219

Tat

Acctnum: **CHEVARCNY**

Template: **T166593**

Prelogin: **P878273**

PM: 526 - Chris McCord

PB: 10/4/21 JOD

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270DIOXANE 100ml Amb-NoPres	8270TCLD 100ml Amb NoPres	DBCP - V524LL 40mlAmb HCl	PAHSIMLVID 40mlAmb-NoPres-WT	PBDG - Lab filter 250mlHDPE-NoPres	V8260LLC 40mlAmb-HCl	V8260LLC-TripBlank 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
OS-2-W-2110___		GW				11		X	X	X	X	X			
OS-3-W-2110___		GW				11		X	X	X	X	X			
OR-2-W-2110___		GW				11		X	X	X	X	X			
OR-3-W-2110___		GW				11		X	X	X	X	X			
DB-17-W-2110___		GW				13	X	X	X	X	X	X			
DB-8A-W-2110___		GW				13	X	X	X	X	X	X			
DC-2-W-2110___		GW				11		X	X	X	X	X			
DC-1-W-2110___		GW				11		X	X	X	X	X			
TF-23-W-2110[0]5	Grab	GW		10/8/21	0840	11		X	X	X	X	X			-01
TF-5-W-2110[0]3	Grab	GW		10/8/21	0910	11		X	X	X	X	X			02

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 5318 9950 7888

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by : (Signature)	10/8/21	1110	Received by: (Signature)	Trip Blank Received: Yes / No (HCl / MeoH) TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.1 °C Bottles Received: 44
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/9/21 Time: 930

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Arcadis - Chevron - NY

50 Millstone Rd.
Bldg 200, Suite 220
East Windsor. NJ 08520

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Pres Chk

Report to: **Ryan Merrell**

Email To: ed.meyer@arcadis.com;christopher.laprus@arc

Project Description: **Pod 4 - Beacon PMG00037**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **609-860-0590**

Client Project # **30064362.19.45**

Lab Project # **CHEVARCNY-BEACON**

Collected by (print): Kirk Watson / Shannon

Site/Facility ID # **PMG00037**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

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SDG #

Table #

Acctnum: **CHEVARCNY**

Template: **T166593**

Prelogin: **P878273**

PM: **526 - Chris McCord**

PB: 10/4/21

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270DIOXANE 100ml Amb-NoPres	8270TCLD 100ml Amb NoPres	DBCP - V524LL 40mlAmb HCl	PAHSIMLVID 40mlAmb-NoPres-WT	PBDG - Lab filter 250mlHDPE-NoPres	V8260LLC 40mlAmb-HCl	V8260LLC-TripBlank 40mlAmb-HCl-Blk				Remarks	Sample # (lab only)
		GW				11		X	X	X	X	X						
BD-W-2110___		GW				11		X	X	X	X	X						
FB-W-2110<u>05</u>	Grab	GW		10/8/21	10:00	11		X	X	X	X	X						-03
FB-W-2110___		GW				11		X	X	X	X	X						
FB-W-2110___		GW				11		X	X	X	X	X						
QA-MS-W-2110___		GW				11		X	X	X	X	X						
QA-MSD-W-2110___		GW				11		X	X	X	X	X						
EB-W-2110<u>08</u>	Grab	GW		10/8/21	0800	11		X	X	X	X	X						04
TB-W-2110<u>01</u>	Grab	GW		10/8/21	—	1							X					05
TB-W-2110___		GW				1							X					

Immediately Packed on Ice N ___ Y ✓

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	10/8/21	1110			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.1+0=1.1 °C Bottles Received: 44	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/9/21 Time: 930	Hold: Condition: NCF / OK

Santander, Carolina

From: Denkenberger, Erika
Sent: Friday, February 18, 2022 1:11 PM
To: NYENVDATA@dec.ny.gov
Cc: Meyer, Edward; William Bennett; Hendrickson, Mark R
Subject: Original EDD Submittal for NYSDEC Site No. 314004, Chevron Beacon, NY - Texaco Research Center Site (SDGs L1345719, L1415506, L1415922)
Attachments: 20220218 1302.314004.NYSDEC_MERGE.zip

DEC EIMS Administrator,

The attached EDD contains data (SDGs L1345719, L1415506, L1415922) collected at the Chevron Beacon, NY – Texaco Research Center Site (NYSDEC Site No. 314004) in April 2021 and October 2021.

The respective project managers for the Site are:

- Bill Bennett – NYSDEC
- Mark Hendrickson - Chevron
- Edward Meyer – Arcadis

Please feel free to contact me should you have any questions or require additional information.

Thank you,
Erika

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Appendix C

Data Usability Summary Reports

Former Chevron Texaco Research Centre

Data Usability Summary Report

Beacon, New York

Volatile Organic Compound (VOC), Semi Volatile Organic Compound (SVOC) and Metal Analyses

SDG # L1345719

Analyses Performed By:
Pace Analytical, Lebanon Rd
Tennessee

Report #42744R
Review Level: Tier III
Project: 30064362.07.61

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Groups (SDG) # L1345719 for samples collected in association with the Former Chevron Texaco Research center in Beacon, New York. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis		
					VOC	SVOC	MET
OS-2-W-210426	L1345719-01	Water	04/26/2021		X	X	X
OS-3-W-210427	L1345719-02	Water	04/27/2021		X	X	X
OR-2-W-210426	L1345719-03	Water	04/26/2021		X	X	X
OR-3-W-210427	L1345719-04	Water	04/27/2021		X	X	X
DB-17-W-210428	L1345719-05	Water	04/28/2021		X	X	X
DB-8A-W-210427	L1345719-06	Water	04/27/2021		X	X	X
DC-2-W-210427	L1345719-07	Water	04/27/2021		X	X	X
DC-1-W-210427	L1345719-08	Water	04/27/2021		X	X	X
TF-23-W-210428	L1345719-09	Water	04/28/2021		X	X	X
TF-5-W-210428	L1345719-10	Water	04/28/2021		X	X	X
BD-W-210426	L1345719-11	Water	04/26/2021	OS-2-W-210426	X	X	X
FB-W-210426	L1345719-12	Water	04/26/2021		X	X	X
FB-W-210427	L1345719-13	Water	04/27/2021		X	X	X
FB-W-210428	L1345719-14	Water	04/28/2021		X	X	X
TB-W-210426	L1345719-15	Water	04/26/2021		X		
TB-W-210427	L1345719-16	Water	04/27/2021		X		
TB-W-210428	L1345719-17	Water	04/28/2021		X		

Notes:

VOC = Volatile Organic Compound

SVOC = Semi Volatile Organic Compound

MET = Metals

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limitss		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed chain-of-custody form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data package completeness and compliance		X		X	

Note:
QA = quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260C, 8270D by Selected Ion Monitoring (SIM), and USEPA method 537 Modified. Data were reviewed in accordance with the USEPA Region II validation guidelines *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B* (SOP #HW-24, October 2006); the USEPA *National Functional Guidelines for Organic Superfund Methods Data Review* (January 2017); USEPA *Contract Laboratory Program National Functional Guidelines for Organic Data Review* (October 1999).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
  - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
  - E The compound was quantitated above the calibration range.
  - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
  - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
  - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
  - UB Compound is considered non-detect at the listed value due to associated blank contamination.
  - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
  - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second

fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8260C	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units

Note: The target compound 2-chloroethyl vinyl ether degrades in the presence of acid used to preserve the aqueous samples. Therefore, all sample results for 2-chloroethyl vinyl ether have been qualified as rejected.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compound 1,2,3-trichlorobenzene was detected in the associated QA blanks; however, the associated sample results were non-detect. Therefore, no other qualification of the sample results was required.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample ID	Initial/Continuing	Compounds	Criteria
OS-2-W-210426 OS-3-W-210427 OR-2-W-210426 OR-3-W-210427 DB-17-W-210428 DB-8A-W-210427 DC-2-W-210427 DC-1-W-210427 TF-23-W-210428 TF-5-W-210428 BD-W-210426 FB-W-210426 FB-W-210427 FB-W-210428	ICV %D	Vinyl Chloride	84.50 %
FB-W-210427 FB-W-210428 TB-W-210426 TB-W-210427	ICV %D	1,1,2-trichlorotrifluoroethane	29.90%
		1,1-dichloroethene	23.70%
		2-hexanone	22.70%
		4-methyl-2-pentanone (mibk)	24.40%

Sample ID	Initial/Continuing	Compounds	Criteria
TB-W-210428		acetone	28.50%
		acrylonitrile	31.60%
		dichlorodifluoromethane	38.60%
		n-hexane	33.60%
		trans-1,4-dichloro-2-butene	52.10%
		trichlorofluoromethane	20.90%
		vinyl acetate	38.80%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 15% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD >90%	Non-detect	R
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J

Initial/Continuing	Criteria	Sample Result	Qualification
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was performed on sample ID OR-2-W-210426.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	MS Recovery	MSD Recovery
OR-2-W-210426	1,2-Dibromo-3-Chloropropane	>UL	>UL

Note:
AC Acceptable

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

8. Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

Sample locations associated with LCS/LCSD analysis exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Compound	LCS Recovery	LCSD Recovery
OS-2-W-210426	Toluene	AC	<LL but >10%
OS-3-W-210427 OR-2-W-210426 OR-3-W-210427 DB-17-W-210428 DB-8A-W-210427 DC-2-W-210427 DC-1-W-210427 TF-23-W-210428 TF-5-W-210428 BD-W-210426 FB-W-210426	1,1,2-Trichlorotrifluoroethane	<LL but >10%	AC

Sample Locations	Compound	LCS Recovery	LCSD Recovery
FB-W-210427	Dibromomethane	>UL	NA
FB-W-210428 TB-W-210426 TB-W-210427 TB-W-210428	n-Hexane	>UL	NA

The criteria used to evaluate the LCS/LCSD recoveries are presented in the following table. In the case of an LCS/LCSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

Note:
Sample results were not qualified as rejected (R) due to the deviations listed above.
Sample locations associated with LCS/LCSD recoveries exhibiting an RPD greater than the control limit are presented in the following table.

Sample Locations	Compounds
OS-2-W-210426 OS-3-W-210427 OR-2-W-210426 OR-3-W-210427 DB-17-W-210428 DB-8A-W-210427 DC-2-W-210427 DC-1-W-210427 TF-23-W-210428 TF-5-W-210428 BD-W-210426 FB-W-210426 OS-2-W-210426 OS-3-W-210427 OR-2-W-210426 OR-3-W-210427 DB-17-W-210428 DB-8A-W-210427 DC-2-W-210427 DC-1-W-210427 TF-23-W-210428 TF-5-W-210428 BD-W-210426 FB-W-210426 OS-2-W-210426	Bromomethane n-Butylbenzene Carbon tetrachloride Chloromethane Dichlorodifluoromethane 1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene 1,1-Dichloropropene 2,2-Dichloropropane Ethylbenzene Hexachloro-1,3-butadiene n-Hexane Isopropylbenzene Naphthalene Tetrachloroethene Toluene 1,1,2-Trichlorotrifluoroethane 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,1,1-Trichloroethane Trichlorofluoromethane Vinyl acetate Vinyl chloride Xylenes, Total

The criteria used to evaluate the RPD between the LCS/LCSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compounds	Sample Result	Duplicate Result	RPD
OS-2-W-210426 / BD-W-210426	All Compounds	U	U	AC

Notes:
AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X	X		
B. Equipment blanks		X		X	
C. Trip blanks		X		X	
Laboratory Control Sample (LCS)		X	X		
Laboratory Control Sample Duplicate(LCSD)		X		X	
LCS/LCSD Precision (RPD)		X	X		
Matrix Spike (MS)		X	X		
Matrix Spike Duplicate(MSD)		X	X		
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X	X		
Continuing calibration RRFs		X		X	

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Semivolatile Organic Compound (SVOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8270D-SIM	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
OS-2-W-210426 OS-3-W-210427 OR-2-W-210426 OR-3-W-210427 DB-17-W-210428 DB-8A-W-210427 DC-2-W-210427 TF-23-W-210428 TF-5-W-210428 FB-W-210427 FB-W-210428	ICV %D	benzaldehyde	45.90%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	

Initial/Continuing	Criteria	Sample Result	Qualification
Initial Calibration	%RSD > 15% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD >90%	Non-detect	R
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

Note:

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketones, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. SVOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the SVOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis performed on sample ID OR-2-W-210426.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

LCS analysis exhibiting recoveries within the control limit.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
OS-2-W-210426 / BD-W-210426	All Compounds	U	U	AC

Notes:
AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for SVOCs

SVOCs: SW-846 8270D-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
C. Trip blanks	X				X
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS)		X		X	
Matrix Spike Duplicate(MSD)		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	

SVOCs: SW-846 8270D-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
D. Reconstructed ion chromatograms		X		X	
E. Quantitation Reports		X		X	
F. RT of sample compounds within the established RT windows		X		X	
G. Transcription/calculation errors present		X		X	
H. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Inorganic Analysis Introduction

Analyses were performed according to Standard Method 6020A. Data were reviewed in accordance with the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (January 2020); USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (July 2002) and associated USEPA Region II guidelines.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
  - J The reported value was obtained from a reading less than the reporting limit (RL), but greater than or equal to the method detection limit (MDL).
- Quantitation (Q) Qualifiers
  - E The reported value is estimated due to the presence of interference.
  - N Spiked sample recovery is not within control limits.
  - * Duplicate analysis is not within control limits.
- Validation Qualifiers
  - J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The analyte was not detected above the reporting limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
  - UB Analyte considered non-detect at the listed value due to associated blank contamination.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Metals Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 6020A	Water	180 days from collection to analysis	Preserved to a pH of less than 2.

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning (SW-846 6020 analysis only)

The %RSD of the absolute signals for all analytes in the tuning solution must be less than 5% for each analyte and the instrument mass resolution must be within 0.1 amu over manufacturer ‘s specifications the range of 6-210 amu.

Mass spectrometer performance and system performance was acceptable.

4. Calibration

Satisfactory instrument calibration is established to provide that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument’s continuing performance is satisfactory.

4.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

All initial and continuing calibration verification standard recoveries were within the control limit.

4.2 ICP Interference Control Sample (ICS)

The ICS verifies the laboratories interelement and background correction factors.

All ICS exhibited recoveries within the control limits.

5. Internal Standard Performance (SW-846 6020 analysis only)

Internal standard performance criteria ensure that the ICP/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard analytes associated with the metals must exhibit a percent recovery within the established acceptance limits of 60% to 125%

All internal standard responses were within control limits.

6. Matrix Spike (MS)/Matrix Spike Duplicate (MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

6.1 MS/MSD Analysis

All metal analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

The MS/MSD analysis performed on sample ID OR-2-W-210426, exhibited acceptable recoveries and RPDs.

6.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices and 35% for soil matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one time the RL is applied for water matrices and two times the RL for soil matrices.

MS/MSD analysis was performed in replacement of the laboratory duplicate analysis. The MS/MSD recoveries exhibited acceptable RPD.

7. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices and 50% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
OS-2-W-210426 / BD-W-210426	Lead, Dissolved	2U	0.887	AC

Notes:
AC = Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

9. Serial Dilution

The serial dilution analysis is used to assess if a significant physical or chemical interference exists due to sample matrix. Analytes exhibiting concentrations greater than 50 times the MDL in the undiluted sample are evaluated to determine if matrix interference exists. These analytes are required to have less than a 10% difference (%D) between sample results from the undiluted (parent) sample and results associated with the same sample analyzed with a five-fold dilution.

The serial dilution analysis was performed on a sample ID OR-2-W-210426 exhibited %D within the control limit.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Metals

METALS; SW-846 6020A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP-AES) Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) Atomic Absorption – Manual Cold Vapor (CV)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks		X		X	
B. Method Blanks		X		X	
C. Equipment/Field Blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
ICP Serial Dilution %D		X		X	
Total vs. Dissolved		X		X	
Reporting Limit Verification		X		X	
Tier III Validation					
Initial Calibration Verification		X		X	
Continuing Calibration Verification		X		X	
LLQC Standard Recovery		X		X	
ICP Interference Check		X		X	
ICP-MS Internal Standards		X		X	

METALS; SW-846 6020A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Transcription/calculations acceptable		X		X	
Raw Data		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%R Percent recovery
RPD Relative percent difference

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]			Noncompliance
					VOC	SVOC	MET	
L1345719	04/26/2021	SW6020A SM524M SW8270D	OS-2-W-210426	Water	Yes	No	No	VOC – preservative, LCS/LCSD RPD exceedance
	04/27/2021		OS-3-W-210427	Water	Yes	No	No	VOC – preservative, LCS/LCSD RPD exceedance
	04/26/2021		OR-2-W-210426	Water	Yes	No	No	VOC – preservative, LCS % recovery exceedance
	04/27/2021		OR-3-W-210427	Water	Yes	No	No	VOC – preservative, LCS/LCSD RPD exceedance
	04/28/2021		DB-17-W-210428	Water	Yes	No	No	VOC – preservative, LCS/LCSD RPD exceedance
	04/27/2021		DB-8A-W-210427	Water	Yes	No	No	VOC – preservative, LCS/LCSD RPD exceedance
	04/27/2021		DC-2-W-210427	Water	Yes	No	No	VOC – preservative, LCS/LCSD RPD exceedance
	04/27/2021		DC-1-W-210427	Water	Yes	No	No	VOC – preservative, LCS/LCSD RPD exceedance
	04/28/2021		TF-23-W-210428	Water	Yes	No	No	VOC – preservative, LCS/LCSD RPD exceedance
	04/28/2021		TF-5-W-210428	Water	Yes	No	No	VOC – preservative, LCS/LCSD RPD exceedance
	04/26/2021		BD-W-210426	Water	Yes	No	No	VOC – preservative, LCS/LCSD RPD exceedance
	04/26/2021	SM524M	FB-W-210426	Water	Yes	No	No	VOC – preservative, LCS/LCSD RPD exceedance

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]			Noncompliance
					VOC	SVOC	MET	
	04/27/2021		FB-W-210427	Water	Yes	No	No	VOC – preservative, LCS %R
	04/28/2021		FB-W-210428	Water	Yes	No	No	VOC – preservative, LCS %R
	04/26/2021		TB-W-210426	Water	Yes	No	No	VOC – preservative, LCS %R
	04/28/2021		TB-W-210428	Water	Yes	No	No	VOC – preservative, LCS %R exceedance

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

Abbreviations

-- = not applicable
% = percent
%D = percent difference
CCV = continuing calibration verification
ICV = initial calibration verification
IS = internal standard
LCS = laboratory control sample
LCSD = laboratory control sample duplicate
LLQC = lower limit of quantitation check
MS = matrix spike

MSD = matrix spike duplicate

RPD = relative percent difference

VALIDATION PERFORMED BY: Bhagyashree Fulzele

SIGNATURE: 

DATE: September 17, 2021

PEER REVIEW: Dennis Capria

DATE: September 22, 2021

Chain of Custody Corrected Sample Analysis Data Sheets

Company Name/Address:
Arcadis - Chevron - NY

50 Millstone Rd.
Bldg 200, Suite 220
East Windsor. NJ 08520

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Report to: **Ryan Merrell**

Email To: **ed.meyer@arcadis.com;christopher.laprus@arc**

Project Description: **Pod 4 - Beacon PMG00037**

City/State Collected: Beacon, New York

Please Circle: PT MT CT ET

Phone: **609-860-0590**

Client Project # **30064362.19.45**

Lab Project # **CHEVARCNY-BEACON**

Collected by (print): Kirk Vargas / Milton Winrow

Site/Facility ID # **PMG00037**

P.O. # 30064362.19.45

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270D 100ml Amb NoPres	8270DIOXANE 100ml Amb-NoPres	DBCP - V524LL 40mlAmb HCl	PAHSIMLVID 40mlAmb-NoPres-WT	PBDG - Lab filter 250mlHDPE-NoPres	V8260LLC 40mlAmb-HCl	V8260LLC-TripBlank 40mlAmb-HCl-Blk				Remarks	Sample # (lab only)
OS-2-W-2104 26	Grab	GW		4/26/21	1315	11	X		X	X	X	X						-01
OS-3-W-2104 27	Grab	GW		4/27/21	1005	11	X		X	X	X	X						-02
OR-2-W-2104 26	Grab	GW		4/26/21	1303	11	X		X	X	X	X						-03
OR-3-W-2104 27	Grab	GW		4/27/21	1057	11	X		X	X	X	X						-04
DB-17-W-2104 28	Grab	GW		4/28/21	1020	13	X	X	X	X	X	X						-05
DB-8A-W-2104 27	Grab	GW		4/27/21	1240	13	X	X	X	X	X	X						-06
DC-2-W-2104 27	Grab	GW		4/27/21	1465	11	X		X	X	X	X						-07
DC-1-W-2104 27	Grab	GW		4/27/21	1441	11	X		X	X	X	X						-08
TF-23-W-2104 28	Grab	GW		4/28/21	0921	11	X		X	X	X	X						-09
TF-5-W-2104 28	Grab	GW		4/28/21	0915	11	X		X	X	X	X						-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4/28/21	1400	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp 2.0 °C Bottles Received: 193
2.1 - .1 = 2.0

Date: 4/29/21 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 2 of 2

Pace Analytical®

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1345719

Table #

Acctnum: **CHEVARCNY**

Template: **T166593**

Prelogin: **P842333**

PM: **526 - Chris McCord**

PB: 4-21-21 mnf

Shipped Via: **FedEx 2nd Day**

Company Name/Address:
Arcadis - Chevron - NY

50 Millstone Rd.
Bldg 200, Suite 220
East Windsor. NJ 08520

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Report to: **Ryan Merrell**

Email To: ed.meyer@arcadis.com;christopher.laprus@arc

Project Description: **Pod 4 - Beacon PMG00037**

City/State Collected: Beacon, NY

Please Circle: PT MT CT ET

Phone: **609-860-0590**

Client Project # **30064362.19.45**

Lab Project # **CHEVARCNY-BEACON**

Collected by (print): Kate Vargas / Miller Winrow

Site/Facility ID # **PMG00037**

P.O. # 30064362.19.45

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

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SDG # L1345719

C218

Acctnum: **CHEVARCNY**
Template: **T166593**
Prelogin: **P842333**
PM: **526 - Chris McCord**
PB: 4-21-21 MMB
Shipped Via: **FedEX 2nd Day**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270D 100ml Amb NoPres	8270DIOXANE 100ml Amb-NoPres	DBCP - V524LL 40mlAmb HCl	PAHSIMLVID 40mlAmb-NoPres-WT	PBDG - Lab filter 250mlHDPE-NoPres	V8260LLC 40mlAmb-HCl	V8260LLC-TripBlank 40mlAmb-HCl-Blk				Remarks	Sample # (lab only)
		GW				11	X		X	X	X	X						
BD-W-210426	Grab	GW		4/26/21	—	11	X		X	X	X	X						-11
EB-W-210426	Grab	GW		4/26/21	1430	11	X		X	X	X	X						-12
EB-W-210427	Grab	GW		4/27/21	1500	11	X		X	X	X	X						-13
EB-W-210428	Grab	GW		4/28/21	1130	11	X		X	X	X	X						-14
MS-W-210426	Grab	GW		4/26/21	1303	11	X		X	X	X	X					-03	-15
MSD-W-210426	Grab	GW		4/26/21	1303	11	X		X	X	X	X					-03	-16
TB-W-210426	Grab	GW		4/26/21	—	1							X					-15 -17
TB-W-210427	Grab	GW		4/27/21	—	1							X					-16 -17
TB-W-210428	Grab	GW		4/28/21	—	1							X					-17

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	
	4/28/21	1400		3	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp 1.7+.2 °C 2.1-.1=2.0	Bottles Received: 193
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/29/21	Time: 0900

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 11:51	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier		MDL	RDL	Dilution	Analysis	Batch	
	ug/l			ug/l	ug/l		date / time		
1,2-Dibromo-3-chloropropane	U			0.000520	0.00500	1	05/02/2021 12:48	WG1662803	
Acetone	U			11.3	25.0	1	05/02/2021 19:20	WG1662731	
Acrylonitrile	U			0.671	5.00	1	05/02/2021 19:20	WG1662731	
Benzene	U			0.0941	0.500	1	05/02/2021 19:20	WG1662731	
Bromobenzene	U			0.118	0.500	1	05/02/2021 19:20	WG1662731	
Bromodichloromethane	U			0.136	0.500	1	05/02/2021 19:20	WG1662731	
Bromochloromethane	U			0.128	0.500	1	05/02/2021 19:20	WG1662731	
Bromoform	U			0.129	0.500	1	05/02/2021 19:20	WG1662731	
Bromomethane	U	UJ	~~J3~~	0.605	2.50	1	05/02/2021 19:20	WG1662731	
n-Butylbenzene	U	UJ	~~C3 J3~~	0.157	0.500	1	05/02/2021 19:20	WG1662731	
sec-Butylbenzene	U			0.125	0.500	1	05/02/2021 19:20	WG1662731	
tert-Butylbenzene	U			0.127	0.500	1	05/02/2021 19:20	WG1662731	
Carbon disulfide	U			0.0962	0.500	1	05/02/2021 19:20	WG1662731	
Carbon tetrachloride	U	UJ	~~J3~~	0.128	0.500	1	05/02/2021 19:20	WG1662731	
Chlorobenzene	U			0.117	0.500	1	05/02/2021 19:20	WG1662731	
Chlorodibromomethane	U			0.140	0.500	1	05/02/2021 19:20	WG1662731	
Chloroethane	U			0.192	2.50	1	05/02/2021 19:20	WG1662731	
~~2-Chloroethyl vinyl ether~~	~~U~~			~~0.575~~	~~50.0~~	~~1~~	~~05/02/2021 19:20~~	~~WG1662731~~	R
Chloroform	U			0.111	0.500	1	05/02/2021 19:20	WG1662731	
Chloromethane	U	UJ	~~J3~~	0.960	1.25	1	05/02/2021 19:20	WG1662731	
2-Chlorotoluene	U			0.106	0.500	1	05/02/2021 19:20	WG1662731	
4-Chlorotoluene	U			0.114	0.500	1	05/02/2021 19:20	WG1662731	
1,2-Dibromo-3-Chloropropane	U			0.276	2.50	1	05/02/2021 19:20	WG1662731	
1,2-Dibromoethane	U			0.126	0.500	1	05/02/2021 19:20	WG1662731	
Dibromomethane	U			0.122	0.500	1	05/02/2021 19:20	WG1662731	
1,2-Dichlorobenzene	U			0.107	0.500	1	05/02/2021 19:20	WG1662731	
1,3-Dichlorobenzene	U			0.299	0.500	1	05/02/2021 19:20	WG1662731	
1,4-Dichlorobenzene	U			0.120	0.500	1	05/02/2021 19:20	WG1662731	
Dichlorodifluoromethane	U	UJ	~~J3~~	0.374	2.50	1	05/02/2021 19:20	WG1662731	
1,1-Dichloroethane	U			0.100	0.500	1	05/02/2021 19:20	WG1662731	
1,2-Dichloroethane	U			0.0819	0.500	1	05/02/2021 19:20	WG1662731	
1,1-Dichloroethene	U	UJ	~~C3 J3~~	0.188	0.500	1	05/02/2021 19:20	WG1662731	
cis-1,2-Dichloroethene	U	UJ	~~J3~~	0.126	0.500	1	05/02/2021 19:20	WG1662731	
trans-1,2-Dichloroethene	U	UJ	~~J3~~	0.149	0.500	1	05/02/2021 19:20	WG1662731	
1,2-Dichloropropane	U			0.149	0.500	1	05/02/2021 19:20	WG1662731	
1,1-Dichloropropene	U	UJ	~~J3~~	0.142	0.500	1	05/02/2021 19:20	WG1662731	
1,3-Dichloropropane	U			0.109	1.00	1	05/02/2021 19:20	WG1662731	
cis-1,3-Dichloropropene	U			0.111	0.500	1	05/02/2021 19:20	WG1662731	
trans-1,3-Dichloropropene	U			0.118	0.500	1	05/02/2021 19:20	WG1662731	
trans-1,4-Dichloro-2-butene	U			0.467	5.00	1	05/02/2021 19:20	WG1662731	
2,2-Dichloropropane	U	UJ	~~J3~~	0.161	0.500	1	05/02/2021 19:20	WG1662731	
Di-isopropyl ether	U			0.105	0.500	1	05/02/2021 19:20	WG1662731	
Ethylbenzene	U	UJ	~~J3~~	0.137	0.500	1	05/02/2021 19:20	WG1662731	
Hexachloro-1,3-butadiene	U	UJ	~~C3 J3~~	0.337	1.00	1	05/02/2021 19:20	WG1662731	
2-Hexanone	U			0.787	5.00	1	05/02/2021 19:20	WG1662731	
n-Hexane	U	UJ	~~J3~~	0.749	5.00	1	05/02/2021 19:20	WG1662731	
Iodomethane	U			0.554	5.00	1	05/02/2021 19:20	WG1662731	
Isopropylbenzene	U	UJ	~~J3~~	0.105	0.500	1	05/02/2021 19:20	WG1662731	
p-Isopropyltoluene	U			0.120	0.500	1	05/02/2021 19:20	WG1662731	
2-Butanone (MEK)	U			1.19	5.00	1	05/02/2021 19:20	WG1662731	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U			0.430	2.50	1	05/02/2021 19:20	WG1662731
4-Methyl-2-pentanone (MIBK)	U			0.478	5.00	1	05/02/2021 19:20	WG1662731
Methyl tert-butyl ether	U			0.101	0.500	1	05/02/2021 19:20	WG1662731
Naphthalene	U	UJ	~~J3~~	0.174	2.50	1	05/02/2021 19:20	WG1662731
n-Propylbenzene	U			0.0993	0.500	1	05/02/2021 19:20	WG1662731
Styrene	U			0.118	0.500	1	05/02/2021 19:20	WG1662731
1,1,1,2-Tetrachloroethane	U			0.147	0.500	1	05/02/2021 19:20	WG1662731
1,1,2,2-Tetrachloroethane	U			0.133	0.500	1	05/02/2021 19:20	WG1662731
1,1,2-Trichlorotrifluoroethane	U	UJ	~~C3 J3 J4~~	0.180	0.500	1	05/02/2021 19:20	WG1662731
Tetrachloroethene	U	UJ	~~C3 J3~~	0.300	0.500	1	05/02/2021 19:20	WG1662731
Toluene	U	UJ	~~C3 J3 J4~~	0.278	0.500	1	05/02/2021 19:20	WG1662731
1,2,3-Trichlorobenzene	U	UJ	~~C3 J3~~	0.164	0.500	1	05/02/2021 19:20	WG1662731
1,2,4-Trichlorobenzene	U	UJ	~~C3 J3~~	0.481	1.00	1	05/02/2021 19:20	WG1662731
1,1,1-Trichloroethane	U	UJ	~~J3~~	0.149	0.500	1	05/02/2021 19:20	WG1662731
1,1,2-Trichloroethane	U			0.158	0.500	1	05/02/2021 19:20	WG1662731
Trichloroethene	U			0.190	0.500	1	05/02/2021 19:20	WG1662731
Trichlorofluoromethane	U	UJ	~~J3~~	0.160	2.50	1	05/02/2021 19:20	WG1662731
1,2,3-Trichloropropane	U			0.237	2.50	1	05/02/2021 19:20	WG1662731
1,2,4-Trimethylbenzene	U			0.322	0.500	1	05/02/2021 19:20	WG1662731
1,2,3-Trimethylbenzene	U			0.104	0.500	1	05/02/2021 19:20	WG1662731
1,3,5-Trimethylbenzene	U			0.104	0.500	1	05/02/2021 19:20	WG1662731
Vinyl acetate	U	UJ	~~J3~~	0.692	5.00	1	05/02/2021 19:20	WG1662731
Vinyl chloride	U	UJ	~~J3~~	0.234	0.500	1	05/02/2021 19:20	WG1662731
Xylenes, Total	U	UJ	~~J3~~	0.174	1.50	1	05/02/2021 19:20	WG1662731
(S) Toluene-d8	*100*				*80.0-120*		*05/02/2021 19:20*	WG1662731
(S) 4-Bromofluorobenzene	*102*				*77.0-126*		*05/02/2021 19:20*	WG1662731
(S) 1,2-Dichloroethane-d4	*112*				*70.0-130*		*05/02/2021 19:20*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	05/03/2021 19:26	WG1662887
Atrazine	U		0.255	10.0	1	05/03/2021 19:26	WG1662887
Benzaldehyde	U		1.69	10.0	1	05/04/2021 05:23	WG1662887
Biphenyl	U		0.790	10.0	1	05/03/2021 19:26	WG1662887
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 19:26	WG1662887
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 19:26	WG1662887
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 19:26	WG1662887
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 19:26	WG1662887
Caprolactam	U		0.309	10.0	1	05/03/2021 19:26	WG1662887
Carbazole	U		0.111	10.0	1	05/03/2021 19:26	WG1662887
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 19:26	WG1662887
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 19:26	WG1662887
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 19:26	WG1662887
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 19:26	WG1662887
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 19:26	WG1662887
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 19:26	WG1662887
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 19:26	WG1662887
Hexachloroethane	U		0.127	5.00	1	05/03/2021 19:26	WG1662887
Isophorone	U		0.143	10.0	1	05/03/2021 19:26	WG1662887
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 19:26	WG1662887
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 19:26	WG1662887
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 19:26	WG1662887
Nitrobenzene	U		0.297	10.0	1	05/03/2021 19:26	WG1662887
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 19:26	WG1662887
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 19:26	WG1662887

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 19:26	WG1662887
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 19:26	WG1662887
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 19:26	WG1662887
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 19:26	WG1662887
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 19:26	WG1662887
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 19:26	WG1662887
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 19:26	WG1662887
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 19:26	WG1662887
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 19:26	WG1662887
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 19:26	WG1662887
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 19:26	WG1662887
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 19:26	WG1662887
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 19:26	WG1662887
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 19:26	WG1662887
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 19:26	WG1662887
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 19:26	WG1662887
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 19:26	WG1662887
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 19:26	WG1662887
Phenol	U		4.33	10.0	1	05/03/2021 19:26	WG1662887
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 19:26	WG1662887
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 19:26	WG1662887
(S) 2-Fluorophenol	*64.7*			*10.0-120*		*05/03/2021 19:26*	WG1662887
(S) 2-Fluorophenol	*69.5*			*10.0-120*		*05/04/2021 05:23*	WG1662887
(S) Phenol-d5	*46.4*			*10.0-120*		*05/04/2021 05:23*	WG1662887
(S) Phenol-d5	*43.5*			*10.0-120*		*05/03/2021 19:26*	WG1662887
(S) Nitrobenzene-d5	*83.8*			*10.0-127*		*05/03/2021 19:26*	WG1662887
(S) Nitrobenzene-d5	*102*			*10.0-127*		*05/04/2021 05:23*	WG1662887
(S) 2-Fluorobiphenyl	*100*			*10.0-130*		*05/03/2021 19:26*	WG1662887
(S) 2-Fluorobiphenyl	*102*			*10.0-130*		*05/04/2021 05:23*	WG1662887
(S) 2,4,6-Tribromophenol	*84.5*			*10.0-155*		*05/04/2021 05:23*	WG1662887
(S) 2,4,6-Tribromophenol	*109*			*10.0-155*		*05/03/2021 19:26*	WG1662887
(S) p-Terphenyl-d14	*89.2*			*10.0-128*		*05/03/2021 19:26*	WG1662887
(S) p-Terphenyl-d14	*99.7*			*10.0-128*		*05/04/2021 05:23*	WG1662887

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/01/2021 02:08	WG1661791
Acenaphthene	U		0.0190	0.0500	1	05/01/2021 02:08	WG1661791
Acenaphthylene	U		0.0171	0.0500	1	05/01/2021 02:08	WG1661791
Benzo(a)anthracene	U		0.0203	0.0500	1	05/01/2021 02:08	WG1661791
Benzo(a)pyrene	U		0.0184	0.0500	1	05/01/2021 02:08	WG1661791
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/01/2021 02:08	WG1661791
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/01/2021 02:08	WG1661791
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/01/2021 02:08	WG1661791
Chrysene	U		0.0179	0.0500	1	05/01/2021 02:08	WG1661791
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/01/2021 02:08	WG1661791
Dibenzofuran	U		0.0191	0.0500	1	05/01/2021 02:08	WG1661791
Fluoranthene	U		0.0270	0.100	1	05/01/2021 02:08	WG1661791
Fluorene	U		0.0169	0.0500	1	05/01/2021 02:08	WG1661791
Hexachlorobenzene	U		0.00670	0.0500	1	05/01/2021 02:08	WG1661791
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/01/2021 02:08	WG1661791
Naphthalene	U		0.0917	0.250	1	05/01/2021 02:08	WG1661791
Phenanthrene	U		0.0180	0.0500	1	05/01/2021 02:08	WG1661791
Pyrene	U		0.0169	0.0500	1	05/01/2021 02:08	WG1661791
1-Methylnaphthalene	U		0.0687	0.250	1	05/01/2021 02:08	WG1661791

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/01/2021 02:08	WG1661791
2-Chloronaphthalene	U		0.0682	0.250	1	05/01/2021 02:08	WG1661791
(S) Nitrobenzene-d5	*85.3*			*31.0-160*		*05/01/2021 02:08*	WG1661791
(S) 2-Fluorobiphenyl	*90.5*			*48.0-148*		*05/01/2021 02:08*	WG1661791
(S) p-Terphenyl-d14	*126*			*37.0-146*		*05/01/2021 02:08*	WG1661791

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 11:55	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier		MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,2-Dibromo-3-chloropropane	U			0.000520	0.00500	1	05/02/2021 13:12	WG1662803	
Acetone	U			11.3	25.0	1	05/02/2021 19:40	WG1662731	
Acrylonitrile	U			0.671	5.00	1	05/02/2021 19:40	WG1662731	
Benzene	U			0.0941	0.500	1	05/02/2021 19:40	WG1662731	
Bromobenzene	U			0.118	0.500	1	05/02/2021 19:40	WG1662731	
Bromodichloromethane	U			0.136	0.500	1	05/02/2021 19:40	WG1662731	
Bromochloromethane	U			0.128	0.500	1	05/02/2021 19:40	WG1662731	
Bromoform	U			0.129	0.500	1	05/02/2021 19:40	WG1662731	
Bromomethane	U	UJ	J3	0.605	2.50	1	05/02/2021 19:40	WG1662731	
n-Butylbenzene	U	UJ	C3 J3	0.157	0.500	1	05/02/2021 19:40	WG1662731	
sec-Butylbenzene	U			0.125	0.500	1	05/02/2021 19:40	WG1662731	
tert-Butylbenzene	U			0.127	0.500	1	05/02/2021 19:40	WG1662731	
Carbon disulfide	U			0.0962	0.500	1	05/02/2021 19:40	WG1662731	
Carbon tetrachloride	U	UJ	J3	0.128	0.500	1	05/02/2021 19:40	WG1662731	
Chlorobenzene	U			0.117	0.500	1	05/02/2021 19:40	WG1662731	
Chlorodibromomethane	U			0.140	0.500	1	05/02/2021 19:40	WG1662731	
Chloroethane	U			0.192	2.50	1	05/02/2021 19:40	WG1662731	
2-Chloroethyl vinyl ether	U			0.575	50.0	1	05/02/2021 19:40	WG1662731	R
Chloroform	U			0.111	0.500	1	05/02/2021 19:40	WG1662731	
Chloromethane	U	UJ	J3	0.960	1.25	1	05/02/2021 19:40	WG1662731	
2-Chlorotoluene	U			0.106	0.500	1	05/02/2021 19:40	WG1662731	
4-Chlorotoluene	U			0.114	0.500	1	05/02/2021 19:40	WG1662731	
1,2-Dibromo-3-Chloropropane	U			0.276	2.50	1	05/02/2021 19:40	WG1662731	
1,2-Dibromoethane	U			0.126	0.500	1	05/02/2021 19:40	WG1662731	
Dibromomethane	U			0.122	0.500	1	05/02/2021 19:40	WG1662731	
1,2-Dichlorobenzene	U			0.107	0.500	1	05/02/2021 19:40	WG1662731	
1,3-Dichlorobenzene	U			0.299	0.500	1	05/02/2021 19:40	WG1662731	
1,4-Dichlorobenzene	U			0.120	0.500	1	05/02/2021 19:40	WG1662731	
Dichlorodifluoromethane	U	UJ	J3	0.374	2.50	1	05/02/2021 19:40	WG1662731	
1,1-Dichloroethane	U			0.100	0.500	1	05/02/2021 19:40	WG1662731	
1,2-Dichloroethane	U			0.0819	0.500	1	05/02/2021 19:40	WG1662731	
1,1-Dichloroethene	U	UJ	C3 J3	0.188	0.500	1	05/02/2021 19:40	WG1662731	
cis-1,2-Dichloroethene	U	UJ	J3	0.126	0.500	1	05/02/2021 19:40	WG1662731	
trans-1,2-Dichloroethene	U	UJ	J3	0.149	0.500	1	05/02/2021 19:40	WG1662731	
1,2-Dichloropropane	U			0.149	0.500	1	05/02/2021 19:40	WG1662731	
1,1-Dichloropropene	U	UJ	J3	0.142	0.500	1	05/02/2021 19:40	WG1662731	
1,3-Dichloropropane	U			0.109	1.00	1	05/02/2021 19:40	WG1662731	
cis-1,3-Dichloropropene	U			0.111	0.500	1	05/02/2021 19:40	WG1662731	
trans-1,3-Dichloropropene	U			0.118	0.500	1	05/02/2021 19:40	WG1662731	
trans-1,4-Dichloro-2-butene	U			0.467	5.00	1	05/02/2021 19:40	WG1662731	
2,2-Dichloropropane	U	UJ	J3	0.161	0.500	1	05/02/2021 19:40	WG1662731	
Di-isopropyl ether	U			0.105	0.500	1	05/02/2021 19:40	WG1662731	
Ethylbenzene	U	UJ	J3	0.137	0.500	1	05/02/2021 19:40	WG1662731	
Hexachloro-1,3-butadiene	U	UJ	C3 J3	0.337	1.00	1	05/02/2021 19:40	WG1662731	
2-Hexanone	U			0.787	5.00	1	05/02/2021 19:40	WG1662731	
n-Hexane	U	UJ	J3	0.749	5.00	1	05/02/2021 19:40	WG1662731	
Iodomethane	U			0.554	5.00	1	05/02/2021 19:40	WG1662731	
Isopropylbenzene	U	UJ	J3	0.105	0.500	1	05/02/2021 19:40	WG1662731	
p-Isopropyltoluene	U			0.120	0.500	1	05/02/2021 19:40	WG1662731	
2-Butanone (MEK)	U			1.19	5.00	1	05/02/2021 19:40	WG1662731	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	05/02/2021 19:40	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 19:40	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 19:40	WG1662731
Naphthalene	U	UJ J3	0.174	2.50	1	05/02/2021 19:40	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 19:40	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 19:40	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 19:40	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 19:40	WG1662731
1,1,2-Trichlorotrifluoroethane	U	UJ C3 J3 J4	0.180	0.500	1	05/02/2021 19:40	WG1662731
Tetrachloroethene	U	UJ C3 J3	0.300	0.500	1	05/02/2021 19:40	WG1662731
Toluene	U	UJ C3 J3 J4	0.278	0.500	1	05/02/2021 19:40	WG1662731
1,2,3-Trichlorobenzene	U	UJ C3 J3	0.164	0.500	1	05/02/2021 19:40	WG1662731
1,2,4-Trichlorobenzene	U	UJ C3 J3	0.481	1.00	1	05/02/2021 19:40	WG1662731
1,1,1-Trichloroethane	U	UJ J3	0.149	0.500	1	05/02/2021 19:40	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 19:40	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 19:40	WG1662731
Trichlorofluoromethane	U	UJ J3	0.160	2.50	1	05/02/2021 19:40	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 19:40	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 19:40	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 19:40	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 19:40	WG1662731
Vinyl acetate	U	UJ J3	0.692	5.00	1	05/02/2021 19:40	WG1662731
Vinyl chloride	U	UJ J3	0.234	0.500	1	05/02/2021 19:40	WG1662731
Xylenes, Total	U	UJ J3	0.174	1.50	1	05/02/2021 19:40	WG1662731
(S) Toluene-d8	*102*			*80.0-120*		*05/02/2021 19:40*	WG1662731
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*05/02/2021 19:40*	WG1662731
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/02/2021 19:40*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	05/03/2021 15:46	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 15:46	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 01:47	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 15:46	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 15:46	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 15:46	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 15:46	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 15:46	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 15:46	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 15:46	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 15:46	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 15:46	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 15:46	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 15:46	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 15:46	WG1663049
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 15:46	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 15:46	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 15:46	WG1663049
Isophorone	U		0.143	10.0	1	05/03/2021 15:46	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 15:46	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 15:46	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 15:46	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 15:46	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 15:46	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 15:46	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 15:46	WG1663049
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 15:46	WG1663049
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 15:46	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 15:46	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 15:46	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 15:46	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 15:46	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 15:46	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 15:46	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 15:46	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 15:46	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 15:46	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 15:46	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 15:46	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 15:46	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 15:46	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 15:46	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 15:46	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 15:46	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 15:46	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 15:46	WG1663049
(S) 2-Fluorophenol	*59.3*			*10.0-120*		*05/04/2021 01:47*	WG1663049
(S) 2-Fluorophenol	*55.5*			*10.0-120*		*05/03/2021 15:46*	WG1663049
(S) Phenol-d5	*37.6*			*10.0-120*		*05/04/2021 01:47*	WG1663049
(S) Phenol-d5	*35.3*			*10.0-120*		*05/03/2021 15:46*	WG1663049
(S) Nitrobenzene-d5	*101*			*10.0-127*		*05/04/2021 01:47*	WG1663049
(S) Nitrobenzene-d5	*87.6*			*10.0-127*		*05/03/2021 15:46*	WG1663049
(S) 2-Fluorobiphenyl	*101*			*10.0-130*		*05/03/2021 15:46*	WG1663049
(S) 2-Fluorobiphenyl	*103*			*10.0-130*		*05/04/2021 01:47*	WG1663049
(S) 2,4,6-Tribromophenol	*72.0*			*10.0-155*		*05/04/2021 01:47*	WG1663049
(S) 2,4,6-Tribromophenol	*119*			*10.0-155*		*05/03/2021 15:46*	WG1663049
(S) p-Terphenyl-d14	*89.5*			*10.0-128*		*05/03/2021 15:46*	WG1663049
(S) p-Terphenyl-d14	*97.4*			*10.0-128*		*05/04/2021 01:47*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	05/03/2021 22:13	WG1662886
Acenaphthene	U		0.0190	0.0500	1	05/03/2021 22:13	WG1662886
Acenaphthylene	U		0.0171	0.0500	1	05/03/2021 22:13	WG1662886
Benzo(a)anthracene	U		0.0203	0.0500	1	05/03/2021 22:13	WG1662886
Benzo(a)pyrene	U		0.0184	0.0500	1	05/03/2021 22:13	WG1662886
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/03/2021 22:13	WG1662886
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/03/2021 22:13	WG1662886
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/03/2021 22:13	WG1662886
Chrysene	U		0.0179	0.0500	1	05/03/2021 22:13	WG1662886
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/03/2021 22:13	WG1662886
Dibenzofuran	U		0.0191	0.0500	1	05/03/2021 22:13	WG1662886
Fluoranthene	U		0.0270	0.100	1	05/03/2021 22:13	WG1662886
Fluorene	U		0.0169	0.0500	1	05/03/2021 22:13	WG1662886
Hexachlorobenzene	U		0.00670	0.0500	1	05/03/2021 22:13	WG1662886
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/03/2021 22:13	WG1662886
Naphthalene	U		0.0917	0.250	1	05/03/2021 22:13	WG1662886
Phenanthrene	U		0.0180	0.0500	1	05/03/2021 22:13	WG1662886
Pyrene	U		0.0169	0.0500	1	05/03/2021 22:13	WG1662886
1-Methylnaphthalene	U		0.0687	0.250	1	05/03/2021 22:13	WG1662886

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/03/2021 22:13	WG1662886
2-Chloronaphthalene	U		0.0682	0.250	1	05/03/2021 22:13	WG1662886
(S) Nitrobenzene-d5	*99.5*			*31.0-160*		*05/03/2021 22:13*	WG1662886
(S) 2-Fluorobiphenyl	*85.8*			*48.0-148*		*05/03/2021 22:13*	WG1662886
(S) p-Terphenyl-d14	*97.4*			*37.0-146*		*05/03/2021 22:13*	WG1662886

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 11:31	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
1,2-Dibromo-3-chloropropane	U	J5	0.000520	0.00500	1	05/02/2021 13:35	WG1662803	
Acetone	U		11.3	25.0	1	05/02/2021 20:01	WG1662731	
Acrylonitrile	U		0.671	5.00	1	05/02/2021 20:01	WG1662731	
Benzene	U		0.0941	0.500	1	05/02/2021 20:01	WG1662731	
Bromobenzene	U		0.118	0.500	1	05/02/2021 20:01	WG1662731	
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 20:01	WG1662731	
Bromochloromethane	U		0.128	0.500	1	05/02/2021 20:01	WG1662731	
Bromoform	U		0.129	0.500	1	05/02/2021 20:01	WG1662731	
Bromomethane	U		0.605	2.50	1	05/02/2021 20:01	WG1662731	
n-Butylbenzene	U	C3	0.157	0.500	1	05/02/2021 20:01	WG1662731	
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 20:01	WG1662731	
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 20:01	WG1662731	
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 20:01	WG1662731	
Carbon tetrachloride	U		0.128	0.500	1	05/02/2021 20:01	WG1662731	
Chlorobenzene	U		0.117	0.500	1	05/02/2021 20:01	WG1662731	
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 20:01	WG1662731	
Chloroethane	U		0.192	2.50	1	05/02/2021 20:01	WG1662731	
2-Chloroethyl vinyl ether	U	JC	0.575	50.0	1	05/02/2021 20:01	WG1662731	R
Chloroform	U		0.111	0.500	1	05/02/2021 20:01	WG1662731	
Chloromethane	U		0.960	1.25	1	05/02/2021 20:01	WG1662731	
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 20:01	WG1662731	
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 20:01	WG1662731	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 20:01	WG1662731	
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 20:01	WG1662731	
Dibromomethane	U		0.122	0.500	1	05/02/2021 20:01	WG1662731	
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 20:01	WG1662731	
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 20:01	WG1662731	
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 20:01	WG1662731	
Dichlorodifluoromethane	U		0.374	2.50	1	05/02/2021 20:01	WG1662731	
1,1-Dichloroethane	0.340	J	0.100	0.500	1	05/02/2021 20:01	WG1662731	
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 20:01	WG1662731	
1,1-Dichloroethene	U	C3	0.188	0.500	1	05/02/2021 20:01	WG1662731	
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/02/2021 20:01	WG1662731	
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/02/2021 20:01	WG1662731	
1,2-Dichloropropane	0.257	J	0.149	0.500	1	05/02/2021 20:01	WG1662731	
1,1-Dichloropropene	U		0.142	0.500	1	05/02/2021 20:01	WG1662731	
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 20:01	WG1662731	
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 20:01	WG1662731	
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 20:01	WG1662731	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 20:01	WG1662731	
2,2-Dichloropropane	U		0.161	0.500	1	05/02/2021 20:01	WG1662731	
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 20:01	WG1662731	
Ethylbenzene	U		0.137	0.500	1	05/02/2021 20:01	WG1662731	
Hexachloro-1,3-butadiene	U	C3	0.337	1.00	1	05/02/2021 20:01	WG1662731	
2-Hexanone	U		0.787	5.00	1	05/02/2021 20:01	WG1662731	
n-Hexane	U		0.749	5.00	1	05/02/2021 20:01	WG1662731	
Iodomethane	U		0.554	5.00	1	05/02/2021 20:01	WG1662731	
Isopropylbenzene	U		0.105	0.500	1	05/02/2021 20:01	WG1662731	
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2021 20:01	WG1662731	
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 20:01	WG1662731	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	05/02/2021 20:01	WG1662731
4-Methyl-2-pentanone (MIBK)	0.778	J	0.478	5.00	1	05/02/2021 20:01	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 20:01	WG1662731
Naphthalene	U		0.174	2.50	1	05/02/2021 20:01	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 20:01	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 20:01	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 20:01	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 20:01	WG1662731
1,1,2-Trichlorotrifluoroethane	U UJ	~~C3 J4~~	0.180	0.500	1	05/02/2021 20:01	WG1662731
Tetrachloroethene	U	~~C3~~	0.300	0.500	1	05/02/2021 20:01	WG1662731
Toluene	U UJ	~~C3 J4~~	0.278	0.500	1	05/02/2021 20:01	WG1662731
1,2,3-Trichlorobenzene	U	~~C3~~	0.164	0.500	1	05/02/2021 20:01	WG1662731
1,2,4-Trichlorobenzene	U	~~C3~~	0.481	1.00	1	05/02/2021 20:01	WG1662731
1,1,1-Trichloroethane	U		0.149	0.500	1	05/02/2021 20:01	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 20:01	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 20:01	WG1662731
Trichlorofluoromethane	U		0.160	2.50	1	05/02/2021 20:01	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 20:01	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 20:01	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 20:01	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 20:01	WG1662731
Vinyl acetate	U		0.692	5.00	1	05/02/2021 20:01	WG1662731
Vinyl chloride	U		0.234	0.500	1	05/02/2021 20:01	WG1662731
Xylenes, Total	U		0.174	1.50	1	05/02/2021 20:01	WG1662731
(S) Toluene-d8	*105*			*80.0-120*		*05/02/2021 20:01*	WG1662731
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*05/02/2021 20:01*	WG1662731
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/02/2021 20:01*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	05/03/2021 19:48	WG1662887
Atrazine	U		0.255	10.0	1	05/03/2021 19:48	WG1662887
Benzaldehyde	U		1.69	10.0	1	05/04/2021 05:45	WG1662887
Biphenyl	U		0.790	10.0	1	05/03/2021 19:48	WG1662887
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 19:48	WG1662887
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 19:48	WG1662887
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 19:48	WG1662887
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 19:48	WG1662887
Caprolactam	U		0.309	10.0	1	05/03/2021 19:48	WG1662887
Carbazole	U		0.111	10.0	1	05/03/2021 19:48	WG1662887
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 19:48	WG1662887
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 19:48	WG1662887
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 19:48	WG1662887
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 19:48	WG1662887
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 19:48	WG1662887
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 19:48	WG1662887
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 19:48	WG1662887
Hexachloroethane	U		0.127	5.00	1	05/03/2021 19:48	WG1662887
Isophorone	U		0.143	10.0	1	05/03/2021 19:48	WG1662887
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 19:48	WG1662887
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 19:48	WG1662887
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 19:48	WG1662887
Nitrobenzene	U		0.297	10.0	1	05/03/2021 19:48	WG1662887
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 19:48	WG1662887
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 19:48	WG1662887

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 19:48	WG1662887
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 19:48	WG1662887
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 19:48	WG1662887
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 19:48	WG1662887
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 19:48	WG1662887
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 19:48	WG1662887
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 19:48	WG1662887
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 19:48	WG1662887
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 19:48	WG1662887
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 19:48	WG1662887
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 19:48	WG1662887
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 19:48	WG1662887
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 19:48	WG1662887
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 19:48	WG1662887
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 19:48	WG1662887
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 19:48	WG1662887
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 19:48	WG1662887
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 19:48	WG1662887
Phenol	U		4.33	10.0	1	05/03/2021 19:48	WG1662887
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 19:48	WG1662887
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 19:48	WG1662887
(S) 2-Fluorophenol	*60.0*			*10.0-120*		*05/04/2021 05:45*	WG1662887
(S) 2-Fluorophenol	*55.8*			*10.0-120*		*05/03/2021 19:48*	WG1662887
(S) Phenol-d5	*41.4*			*10.0-120*		*05/04/2021 05:45*	WG1662887
(S) Phenol-d5	*39.5*			*10.0-120*		*05/03/2021 19:48*	WG1662887
(S) Nitrobenzene-d5	*72.0*			*10.0-127*		*05/03/2021 19:48*	WG1662887
(S) Nitrobenzene-d5	*86.8*			*10.0-127*		*05/04/2021 05:45*	WG1662887
(S) 2-Fluorobiphenyl	*90.8*			*10.0-130*		*05/04/2021 05:45*	WG1662887
(S) 2-Fluorobiphenyl	*88.2*			*10.0-130*		*05/03/2021 19:48*	WG1662887
(S) 2,4,6-Tribromophenol	*108*			*10.0-155*		*05/03/2021 19:48*	WG1662887
(S) 2,4,6-Tribromophenol	*81.6*			*10.0-155*		*05/04/2021 05:45*	WG1662887
(S) p-Terphenyl-d14	*89.7*			*10.0-128*		*05/03/2021 19:48*	WG1662887
(S) p-Terphenyl-d14	*98.0*			*10.0-128*		*05/04/2021 05:45*	WG1662887

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/01/2021 02:28	WG1661791
Acenaphthene	U		0.0190	0.0500	1	05/01/2021 02:28	WG1661791
Acenaphthylene	U		0.0171	0.0500	1	05/01/2021 02:28	WG1661791
Benzo(a)anthracene	U		0.0203	0.0500	1	05/01/2021 02:28	WG1661791
Benzo(a)pyrene	U		0.0184	0.0500	1	05/01/2021 02:28	WG1661791
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/01/2021 02:28	WG1661791
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/01/2021 02:28	WG1661791
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/01/2021 02:28	WG1661791
Chrysene	U		0.0179	0.0500	1	05/01/2021 02:28	WG1661791
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/01/2021 02:28	WG1661791
Dibenzofuran	U		0.0191	0.0500	1	05/01/2021 02:28	WG1661791
Fluoranthene	0.0271	J	0.0270	0.100	1	05/01/2021 02:28	WG1661791
Fluorene	U		0.0169	0.0500	1	05/01/2021 02:28	WG1661791
Hexachlorobenzene	U		0.00670	0.0500	1	05/01/2021 02:28	WG1661791
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/01/2021 02:28	WG1661791
Naphthalene	U		0.0917	0.250	1	05/01/2021 02:28	WG1661791
Phenanthrene	0.0240	J	0.0180	0.0500	1	05/01/2021 02:28	WG1661791
Pyrene	0.0192	J	0.0169	0.0500	1	05/01/2021 02:28	WG1661791
1-Methylnaphthalene	U		0.0687	0.250	1	05/01/2021 02:28	WG1661791

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/01/2021 02:28	WG1661791
2-Chloronaphthalene	U		0.0682	0.250	1	05/01/2021 02:28	WG1661791
(S) Nitrobenzene-d5	*105*			*31.0-160*		*05/01/2021 02:28*	WG1661791
(S) 2-Fluorobiphenyl	*104*			*48.0-148*		*05/01/2021 02:28*	WG1661791
(S) p-Terphenyl-d14	*116*			*37.0-146*		*05/01/2021 02:28*	WG1661791

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 12:25	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier		MDL	RDL	Dilution	Analysis	Batch	
	ug/l			ug/l	ug/l		date / time		
1,2-Dibromo-3-chloropropane	U			0.000520	0.00500	1	05/02/2021 13:59	WG1662803	
Acetone	U			11.3	25.0	1	05/02/2021 20:21	WG1662731	
Acrylonitrile	U			0.671	5.00	1	05/02/2021 20:21	WG1662731	
Benzene	U			0.0941	0.500	1	05/02/2021 20:21	WG1662731	
Bromobenzene	U			0.118	0.500	1	05/02/2021 20:21	WG1662731	
Bromodichloromethane	U			0.136	0.500	1	05/02/2021 20:21	WG1662731	
Bromochloromethane	U			0.128	0.500	1	05/02/2021 20:21	WG1662731	
Bromoform	U			0.129	0.500	1	05/02/2021 20:21	WG1662731	
Bromomethane	U	UJ	J3	0.605	2.50	1	05/02/2021 20:21	WG1662731	
n-Butylbenzene	U	UJ	C3 J3	0.157	0.500	1	05/02/2021 20:21	WG1662731	
sec-Butylbenzene	U			0.125	0.500	1	05/02/2021 20:21	WG1662731	
tert-Butylbenzene	U			0.127	0.500	1	05/02/2021 20:21	WG1662731	
Carbon disulfide	U			0.0962	0.500	1	05/02/2021 20:21	WG1662731	
Carbon tetrachloride	U	UJ	J3	0.128	0.500	1	05/02/2021 20:21	WG1662731	
Chlorobenzene	U			0.117	0.500	1	05/02/2021 20:21	WG1662731	
Chlorodibromomethane	U			0.140	0.500	1	05/02/2021 20:21	WG1662731	
Chloroethane	U			0.192	2.50	1	05/02/2021 20:21	WG1662731	
2-Chloroethyl vinyl ether	U			0.575	50.0	1	05/02/2021 20:21	WG1662731	R
Chloroform	U			0.111	0.500	1	05/02/2021 20:21	WG1662731	
Chloromethane	U	UJ	J3	0.960	1.25	1	05/02/2021 20:21	WG1662731	
2-Chlorotoluene	U			0.106	0.500	1	05/02/2021 20:21	WG1662731	
4-Chlorotoluene	U			0.114	0.500	1	05/02/2021 20:21	WG1662731	
1,2-Dibromo-3-Chloropropane	U			0.276	2.50	1	05/02/2021 20:21	WG1662731	
1,2-Dibromoethane	U			0.126	0.500	1	05/02/2021 20:21	WG1662731	
Dibromomethane	U			0.122	0.500	1	05/02/2021 20:21	WG1662731	
1,2-Dichlorobenzene	U			0.107	0.500	1	05/02/2021 20:21	WG1662731	
1,3-Dichlorobenzene	U			0.299	0.500	1	05/02/2021 20:21	WG1662731	
1,4-Dichlorobenzene	U			0.120	0.500	1	05/02/2021 20:21	WG1662731	
Dichlorodifluoromethane	U	UJ	J3	0.374	2.50	1	05/02/2021 20:21	WG1662731	
1,1-Dichloroethane	U			0.100	0.500	1	05/02/2021 20:21	WG1662731	
1,2-Dichloroethane	U			0.0819	0.500	1	05/02/2021 20:21	WG1662731	
1,1-Dichloroethene	U	UJ	C3 J3	0.188	0.500	1	05/02/2021 20:21	WG1662731	
cis-1,2-Dichloroethene	U	UJ	J3	0.126	0.500	1	05/02/2021 20:21	WG1662731	
trans-1,2-Dichloroethene	U	UJ	J3	0.149	0.500	1	05/02/2021 20:21	WG1662731	
1,2-Dichloropropane	U			0.149	0.500	1	05/02/2021 20:21	WG1662731	
1,1-Dichloropropene	U	UJ	J3	0.142	0.500	1	05/02/2021 20:21	WG1662731	
1,3-Dichloropropane	U			0.109	1.00	1	05/02/2021 20:21	WG1662731	
cis-1,3-Dichloropropene	U			0.111	0.500	1	05/02/2021 20:21	WG1662731	
trans-1,3-Dichloropropene	U			0.118	0.500	1	05/02/2021 20:21	WG1662731	
trans-1,4-Dichloro-2-butene	U			0.467	5.00	1	05/02/2021 20:21	WG1662731	
2,2-Dichloropropane	U	UJ	J3	0.161	0.500	1	05/02/2021 20:21	WG1662731	
Di-isopropyl ether	U			0.105	0.500	1	05/02/2021 20:21	WG1662731	
Ethylbenzene	U	UJ	J3	0.137	0.500	1	05/02/2021 20:21	WG1662731	
Hexachloro-1,3-butadiene	U	UJ	C3 J3	0.337	1.00	1	05/02/2021 20:21	WG1662731	
2-Hexanone	U			0.787	5.00	1	05/02/2021 20:21	WG1662731	
n-Hexane	U	UJ	J3	0.749	5.00	1	05/02/2021 20:21	WG1662731	
Iodomethane	U			0.554	5.00	1	05/02/2021 20:21	WG1662731	
Isopropylbenzene	U	UJ	J3	0.105	0.500	1	05/02/2021 20:21	WG1662731	
p-Isopropyltoluene	0.535			0.120	0.500	1	05/02/2021 20:21	WG1662731	
2-Butanone (MEK)	U			1.19	5.00	1	05/02/2021 20:21	WG1662731	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	05/02/2021 20:21	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 20:21	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 20:21	WG1662731
Naphthalene	U	UJ J3	0.174	2.50	1	05/02/2021 20:21	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 20:21	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 20:21	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 20:21	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 20:21	WG1662731
1,1,2-Trichlorotrifluoroethane	U	UJ C3 J3 J4	0.180	0.500	1	05/02/2021 20:21	WG1662731
Tetrachloroethene	U	UJ C3 J3	0.300	0.500	1	05/02/2021 20:21	WG1662731
Toluene	U	UJ C3 J3 J4	0.278	0.500	1	05/02/2021 20:21	WG1662731
1,2,3-Trichlorobenzene	U	UJ C3 J3	0.164	0.500	1	05/02/2021 20:21	WG1662731
1,2,4-Trichlorobenzene	U	UJ C3 J3	0.481	1.00	1	05/02/2021 20:21	WG1662731
1,1,1-Trichloroethane	U	UJ J3	0.149	0.500	1	05/02/2021 20:21	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 20:21	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 20:21	WG1662731
Trichlorofluoromethane	U	UJ J3	0.160	2.50	1	05/02/2021 20:21	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 20:21	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 20:21	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 20:21	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 20:21	WG1662731
Vinyl acetate	U	UJ J3	0.692	5.00	1	05/02/2021 20:21	WG1662731
Vinyl chloride	U	UJ J3	0.234	0.500	1	05/02/2021 20:21	WG1662731
Xylenes, Total	U	UJ J3	0.174	1.50	1	05/02/2021 20:21	WG1662731
(S) Toluene-d8	*105*			*80.0-120*		*05/02/2021 20:21*	WG1662731
(S) 4-Bromofluorobenzene	*97.9*			*77.0-126*		*05/02/2021 20:21*	WG1662731
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/02/2021 20:21*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	05/03/2021 19:05	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 19:05	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 05:02	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 19:05	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 19:05	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 19:05	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 19:05	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 19:05	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 19:05	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 19:05	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 19:05	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 19:05	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 19:05	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 19:05	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 19:05	WG1663049
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 19:05	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 19:05	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 19:05	WG1663049
Isophorone	U		0.143	10.0	1	05/03/2021 19:05	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 19:05	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 19:05	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 19:05	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 19:05	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 19:05	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 19:05	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 19:05	WG1663049
Bis(2-ethylhexyl)phthalate	1.94	J	0.895	3.00	1	05/03/2021 19:05	WG1663049
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 19:05	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 19:05	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 19:05	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 19:05	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 19:05	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 19:05	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 19:05	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 19:05	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 19:05	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 19:05	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 19:05	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 19:05	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 19:05	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 19:05	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 19:05	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 19:05	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 19:05	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 19:05	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 19:05	WG1663049
(S) 2-Fluorophenol	*28.2*			*10.0-120*		*05/04/2021 05:02*	WG1663049
(S) 2-Fluorophenol	*29.2*			*10.0-120*		*05/03/2021 19:05*	WG1663049
(S) Phenol-d5	*23.2*			*10.0-120*		*05/04/2021 05:02*	WG1663049
(S) Phenol-d5	*22.3*			*10.0-120*		*05/03/2021 19:05*	WG1663049
(S) Nitrobenzene-d5	*60.5*			*10.0-127*		*05/03/2021 19:05*	WG1663049
(S) Nitrobenzene-d5	*70.8*			*10.0-127*		*05/04/2021 05:02*	WG1663049
(S) 2-Fluorobiphenyl	*75.2*			*10.0-130*		*05/04/2021 05:02*	WG1663049
(S) 2-Fluorobiphenyl	*75.4*			*10.0-130*		*05/03/2021 19:05*	WG1663049
(S) 2,4,6-Tribromophenol	*54.3*			*10.0-155*		*05/04/2021 05:02*	WG1663049
(S) 2,4,6-Tribromophenol	*79.7*			*10.0-155*		*05/03/2021 19:05*	WG1663049
(S) p-Terphenyl-d14	*79.3*			*10.0-128*		*05/03/2021 19:05*	WG1663049
(S) p-Terphenyl-d14	*86.0*			*10.0-128*		*05/04/2021 05:02*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/03/2021 22:28	WG1662886
Acenaphthene	U		0.0190	0.0500	1	05/03/2021 22:28	WG1662886
Acenaphthylene	U		0.0171	0.0500	1	05/03/2021 22:28	WG1662886
Benzo(a)anthracene	0.0500	J	0.0203	0.0500	1	05/03/2021 22:28	WG1662886
Benzo(a)pyrene	0.0622		0.0184	0.0500	1	05/03/2021 22:28	WG1662886
Benzo(b)fluoranthene	0.100		0.0168	0.0500	1	05/03/2021 22:28	WG1662886
Benzo(g,h,i)perylene	0.0692		0.0184	0.0500	1	05/03/2021 22:28	WG1662886
Benzo(k)fluoranthene	0.0404	J	0.0202	0.0500	1	05/03/2021 22:28	WG1662886
Chrysene	0.0724		0.0179	0.0500	1	05/03/2021 22:28	WG1662886
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/03/2021 22:28	WG1662886
Dibenzofuran	U		0.0191	0.0500	1	05/03/2021 22:28	WG1662886
Fluoranthene	0.154		0.0270	0.100	1	05/03/2021 22:28	WG1662886
Fluorene	U		0.0169	0.0500	1	05/03/2021 22:28	WG1662886
Hexachlorobenzene	U		0.00670	0.0500	1	05/03/2021 22:28	WG1662886
Indeno(1,2,3-cd)pyrene	0.0698		0.0158	0.0500	1	05/03/2021 22:28	WG1662886
Naphthalene	U		0.0917	0.250	1	05/03/2021 22:28	WG1662886
Phenanthrene	0.0681		0.0180	0.0500	1	05/03/2021 22:28	WG1662886
Pyrene	0.129		0.0169	0.0500	1	05/03/2021 22:28	WG1662886
1-Methylnaphthalene	U		0.0687	0.250	1	05/03/2021 22:28	WG1662886

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/03/2021 22:28	WG1662886
2-Chloronaphthalene	U		0.0682	0.250	1	05/03/2021 22:28	WG1662886
(S) Nitrobenzene-d5	*102*			*31.0-160*		*05/03/2021 22:28*	WG1662886
(S) 2-Fluorobiphenyl	*91.6*			*48.0-148*		*05/03/2021 22:28*	WG1662886
(S) p-Terphenyl-d14	*93.7*			*37.0-146*		*05/03/2021 22:28*	WG1662886

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 12:29	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier		MDL	RDL	Dilution	Analysis	Batch	
	ug/l			ug/l	ug/l		date / time		
1,2-Dibromo-3-chloropropane	U			0.000520	0.00500	1	05/02/2021 14:23	WG1662803	
Acetone	U			11.3	25.0	1	05/02/2021 20:41	WG1662731	
Acrylonitrile	U			0.671	5.00	1	05/02/2021 20:41	WG1662731	
Benzene	U			0.0941	0.500	1	05/02/2021 20:41	WG1662731	
Bromobenzene	U			0.118	0.500	1	05/02/2021 20:41	WG1662731	
Bromodichloromethane	U			0.136	0.500	1	05/02/2021 20:41	WG1662731	
Bromochloromethane	U			0.128	0.500	1	05/02/2021 20:41	WG1662731	
Bromoform	U			0.129	0.500	1	05/02/2021 20:41	WG1662731	
Bromomethane	U	UJ	J3	0.605	2.50	1	05/02/2021 20:41	WG1662731	
n-Butylbenzene	U	UJ	C3 J3	0.157	0.500	1	05/02/2021 20:41	WG1662731	
sec-Butylbenzene	U			0.125	0.500	1	05/02/2021 20:41	WG1662731	
tert-Butylbenzene	U			0.127	0.500	1	05/02/2021 20:41	WG1662731	
Carbon disulfide	U			0.0962	0.500	1	05/02/2021 20:41	WG1662731	
Carbon tetrachloride	U	UJ	J3	0.128	0.500	1	05/02/2021 20:41	WG1662731	
Chlorobenzene	U			0.117	0.500	1	05/02/2021 20:41	WG1662731	
Chlorodibromomethane	U			0.140	0.500	1	05/02/2021 20:41	WG1662731	
Chloroethane	U			0.192	2.50	1	05/02/2021 20:41	WG1662731	
2-Chloroethyl vinyl ether	U			0.575	50.0	1	05/02/2021 20:41	WG1662731	R
Chloroform	U			0.111	0.500	1	05/02/2021 20:41	WG1662731	
Chloromethane	U	UJ	J3	0.960	1.25	1	05/02/2021 20:41	WG1662731	
2-Chlorotoluene	U			0.106	0.500	1	05/02/2021 20:41	WG1662731	
4-Chlorotoluene	U			0.114	0.500	1	05/02/2021 20:41	WG1662731	
1,2-Dibromo-3-Chloropropane	U			0.276	2.50	1	05/02/2021 20:41	WG1662731	
1,2-Dibromoethane	U			0.126	0.500	1	05/02/2021 20:41	WG1662731	
Dibromomethane	U			0.122	0.500	1	05/02/2021 20:41	WG1662731	
1,2-Dichlorobenzene	U			0.107	0.500	1	05/02/2021 20:41	WG1662731	
1,3-Dichlorobenzene	U			0.299	0.500	1	05/02/2021 20:41	WG1662731	
1,4-Dichlorobenzene	U			0.120	0.500	1	05/02/2021 20:41	WG1662731	
Dichlorodifluoromethane	U	UJ	J3	0.374	2.50	1	05/02/2021 20:41	WG1662731	
1,1-Dichloroethane	U			0.100	0.500	1	05/02/2021 20:41	WG1662731	
1,2-Dichloroethane	U			0.0819	0.500	1	05/02/2021 20:41	WG1662731	
1,1-Dichloroethene	U	UJ	C3 J3	0.188	0.500	1	05/02/2021 20:41	WG1662731	
cis-1,2-Dichloroethene	U	UJ	J3	0.126	0.500	1	05/02/2021 20:41	WG1662731	
trans-1,2-Dichloroethene	U	UJ	J3	0.149	0.500	1	05/02/2021 20:41	WG1662731	
1,2-Dichloropropane	U			0.149	0.500	1	05/02/2021 20:41	WG1662731	
1,1-Dichloropropene	U	UJ	J3	0.142	0.500	1	05/02/2021 20:41	WG1662731	
1,3-Dichloropropane	U			0.109	1.00	1	05/02/2021 20:41	WG1662731	
cis-1,3-Dichloropropene	U			0.111	0.500	1	05/02/2021 20:41	WG1662731	
trans-1,3-Dichloropropene	U			0.118	0.500	1	05/02/2021 20:41	WG1662731	
trans-1,4-Dichloro-2-butene	U			0.467	5.00	1	05/02/2021 20:41	WG1662731	
2,2-Dichloropropane	U	UJ	J3	0.161	0.500	1	05/02/2021 20:41	WG1662731	
Di-isopropyl ether	U			0.105	0.500	1	05/02/2021 20:41	WG1662731	
Ethylbenzene	U	UJ	J3	0.137	0.500	1	05/02/2021 20:41	WG1662731	
Hexachloro-1,3-butadiene	U	UJ	C3 J3	0.337	1.00	1	05/02/2021 20:41	WG1662731	
2-Hexanone	U			0.787	5.00	1	05/02/2021 20:41	WG1662731	
n-Hexane	U	UJ	J3	0.749	5.00	1	05/02/2021 20:41	WG1662731	
Iodomethane	U			0.554	5.00	1	05/02/2021 20:41	WG1662731	
Isopropylbenzene	U	UJ	J3	0.105	0.500	1	05/02/2021 20:41	WG1662731	
p-Isopropyltoluene	U			0.120	0.500	1	05/02/2021 20:41	WG1662731	
2-Butanone (MEK)	U			1.19	5.00	1	05/02/2021 20:41	WG1662731	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	05/02/2021 20:41	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 20:41	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 20:41	WG1662731
Naphthalene	U	UJ J3	0.174	2.50	1	05/02/2021 20:41	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 20:41	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 20:41	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 20:41	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 20:41	WG1662731
1,1,2-Trichlorotrifluoroethane	U	UJ C3 J3 J4	0.180	0.500	1	05/02/2021 20:41	WG1662731
Tetrachloroethene	U	UJ C3 J3	0.300	0.500	1	05/02/2021 20:41	WG1662731
Toluene	U	UJ C3 J3 J4	0.278	0.500	1	05/02/2021 20:41	WG1662731
1,2,3-Trichlorobenzene	U	UJ C3 J3	0.164	0.500	1	05/02/2021 20:41	WG1662731
1,2,4-Trichlorobenzene	U	UJ C3 J3	0.481	1.00	1	05/02/2021 20:41	WG1662731
1,1,1-Trichloroethane	U	UJ J3	0.149	0.500	1	05/02/2021 20:41	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 20:41	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 20:41	WG1662731
Trichlorofluoromethane	U	UJ J3	0.160	2.50	1	05/02/2021 20:41	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 20:41	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 20:41	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 20:41	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 20:41	WG1662731
Vinyl acetate	U	UJ J3	0.692	5.00	1	05/02/2021 20:41	WG1662731
Vinyl chloride	U	UJ J3	0.234	0.500	1	05/02/2021 20:41	WG1662731
Xylenes, Total	U	UJ J3	0.174	1.50	1	05/02/2021 20:41	WG1662731
(S) Toluene-d8	*101*			*80.0-120*		*05/02/2021 20:41*	WG1662731
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*05/02/2021 20:41*	WG1662731
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/02/2021 20:41*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	U		0.0447	0.400	1	05/03/2021 20:45	WG1662878
(S) Nitrobenzene-d5	*62.4*			*10.0-120*		*05/03/2021 20:45*	WG1662878

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	05/03/2021 16:08	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 16:08	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 02:08	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 16:08	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 16:08	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 16:08	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 16:08	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 16:08	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 16:08	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 16:08	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 16:08	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 16:08	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 16:08	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 16:08	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 16:08	WG1663049
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 16:08	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 16:08	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 16:08	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Isophorone	U		0.143	10.0	1	05/03/2021 16:08	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 16:08	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 16:08	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 16:08	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 16:08	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 16:08	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 16:08	WG1663049
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 16:08	WG1663049
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 16:08	WG1663049
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 16:08	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 16:08	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 16:08	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 16:08	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 16:08	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 16:08	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 16:08	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 16:08	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 16:08	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 16:08	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 16:08	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 16:08	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 16:08	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 16:08	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 16:08	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 16:08	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 16:08	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 16:08	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 16:08	WG1663049
(S) 2-Fluorophenol	*55.0*			*10.0-120*		*05/03/2021 16:08*	WG1663049
(S) 2-Fluorophenol	*58.5*			*10.0-120*		*05/04/2021 02:08*	WG1663049
(S) Phenol-d5	*37.8*			*10.0-120*		*05/04/2021 02:08*	WG1663049
(S) Phenol-d5	*34.9*			*10.0-120*		*05/03/2021 16:08*	WG1663049
(S) Nitrobenzene-d5	*99.8*			*10.0-127*		*05/04/2021 02:08*	WG1663049
(S) Nitrobenzene-d5	*85.4*			*10.0-127*		*05/03/2021 16:08*	WG1663049
(S) 2-Fluorobiphenyl	*101*			*10.0-130*		*05/03/2021 16:08*	WG1663049
(S) 2-Fluorobiphenyl	*105*			*10.0-130*		*05/04/2021 02:08*	WG1663049
(S) 2,4,6-Tribromophenol	*118*			*10.0-155*		*05/03/2021 16:08*	WG1663049
(S) 2,4,6-Tribromophenol	*77.5*			*10.0-155*		*05/04/2021 02:08*	WG1663049
(S) p-Terphenyl-d14	*97.7*			*10.0-128*		*05/04/2021 02:08*	WG1663049
(S) p-Terphenyl-d14	*90.1*			*10.0-128*		*05/03/2021 16:08*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/04/2021 09:49	WG1663668
Acenaphthene	U		0.0190	0.0500	1	05/04/2021 09:49	WG1663668
Acenaphthylene	U		0.0171	0.0500	1	05/04/2021 09:49	WG1663668
Benzo(a)anthracene	U		0.0203	0.0500	1	05/04/2021 09:49	WG1663668
Benzo(a)pyrene	U		0.0184	0.0500	1	05/04/2021 09:49	WG1663668
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/04/2021 09:49	WG1663668
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/04/2021 09:49	WG1663668
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/04/2021 09:49	WG1663668
Chrysene	U		0.0179	0.0500	1	05/04/2021 09:49	WG1663668
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/04/2021 09:49	WG1663668
Dibenzofuran	U		0.0191	0.0500	1	05/04/2021 09:49	WG1663668
Fluoranthene	U		0.0270	0.100	1	05/04/2021 09:49	WG1663668

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Fluorene	U		0.0169	0.0500	1	05/04/2021 09:49	WG1663668
Hexachlorobenzene	U		0.00670	0.0500	1	05/04/2021 09:49	WG1663668
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/04/2021 09:49	WG1663668
Naphthalene	U		0.0917	0.250	1	05/04/2021 09:49	WG1663668
Phenanthrene	U		0.0180	0.0500	1	05/04/2021 09:49	WG1663668
Pyrene	U		0.0169	0.0500	1	05/04/2021 09:49	WG1663668
1-Methylnaphthalene	U		0.0687	0.250	1	05/04/2021 09:49	WG1663668
2-Methylnaphthalene	U		0.0674	0.250	1	05/04/2021 09:49	WG1663668
2-Chloronaphthalene	U		0.0682	0.250	1	05/04/2021 09:49	WG1663668
(S) Nitrobenzene-d5	*97.5*			*31.0-160*		*05/04/2021 09:49*	WG1663668
(S) 2-Fluorobiphenyl	*115*			*48.0-148*		*05/04/2021 09:49*	WG1663668
(S) p-Terphenyl-d14	*141*			*37.0-146*		*05/04/2021 09:49*	WG1663668

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 12:32	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 14:46	WG1662803	
Acetone	U		11.3	25.0	1	05/02/2021 21:02	WG1662731	
Acrylonitrile	U		0.671	5.00	1	05/02/2021 21:02	WG1662731	
Benzene	U		0.0941	0.500	1	05/02/2021 21:02	WG1662731	
Bromobenzene	U		0.118	0.500	1	05/02/2021 21:02	WG1662731	
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 21:02	WG1662731	
Bromochloromethane	U		0.128	0.500	1	05/02/2021 21:02	WG1662731	
Bromoform	U		0.129	0.500	1	05/02/2021 21:02	WG1662731	
Bromomethane	U	UJ J3	0.605	2.50	1	05/02/2021 21:02	WG1662731	
n-Butylbenzene	U	UJ C3 J3	0.157	0.500	1	05/02/2021 21:02	WG1662731	
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 21:02	WG1662731	
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 21:02	WG1662731	
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 21:02	WG1662731	
Carbon tetrachloride	U	UJ J3	0.128	0.500	1	05/02/2021 21:02	WG1662731	
Chlorobenzene	U		0.117	0.500	1	05/02/2021 21:02	WG1662731	
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 21:02	WG1662731	
Chloroethane	U		0.192	2.50	1	05/02/2021 21:02	WG1662731	
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/02/2021 21:02	WG1662731	R
Chloroform	0.282	J	0.111	0.500	1	05/02/2021 21:02	WG1662731	
Chloromethane	U	UJ J3	0.960	1.25	1	05/02/2021 21:02	WG1662731	
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 21:02	WG1662731	
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 21:02	WG1662731	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 21:02	WG1662731	
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 21:02	WG1662731	
Dibromomethane	U		0.122	0.500	1	05/02/2021 21:02	WG1662731	
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 21:02	WG1662731	
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 21:02	WG1662731	
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 21:02	WG1662731	
Dichlorodifluoromethane	U	UJ J3	0.374	2.50	1	05/02/2021 21:02	WG1662731	
1,1-Dichloroethane	U		0.100	0.500	1	05/02/2021 21:02	WG1662731	
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 21:02	WG1662731	
1,1-Dichloroethene	U	UJ C3 J3	0.188	0.500	1	05/02/2021 21:02	WG1662731	
cis-1,2-Dichloroethene	0.915	J J3	0.126	0.500	1	05/02/2021 21:02	WG1662731	
trans-1,2-Dichloroethene	U	UJ J3	0.149	0.500	1	05/02/2021 21:02	WG1662731	
1,2-Dichloropropane	U		0.149	0.500	1	05/02/2021 21:02	WG1662731	
1,1-Dichloropropene	U	UJ J3	0.142	0.500	1	05/02/2021 21:02	WG1662731	
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 21:02	WG1662731	
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 21:02	WG1662731	
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 21:02	WG1662731	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 21:02	WG1662731	
2,2-Dichloropropane	U	UJ J3	0.161	0.500	1	05/02/2021 21:02	WG1662731	
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 21:02	WG1662731	
Ethylbenzene	U	UJ J3	0.137	0.500	1	05/02/2021 21:02	WG1662731	
Hexachloro-1,3-butadiene	2.35	J C3 J3	0.337	1.00	1	05/02/2021 21:02	WG1662731	
2-Hexanone	U		0.787	5.00	1	05/02/2021 21:02	WG1662731	
n-Hexane	U	UJ J3	0.749	5.00	1	05/02/2021 21:02	WG1662731	
Iodomethane	U		0.554	5.00	1	05/02/2021 21:02	WG1662731	
Isopropylbenzene	U	UJ J3	0.105	0.500	1	05/02/2021 21:02	WG1662731	
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2021 21:02	WG1662731	
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 21:02	WG1662731	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	05/02/2021 21:02	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 21:02	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 21:02	WG1662731
Naphthalene	U	UJ J3	0.174	2.50	1	05/02/2021 21:02	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 21:02	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 21:02	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 21:02	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 21:02	WG1662731
1,1,2-Trichlorotrifluoroethane	U	UJ C3 J3 J4	0.180	0.500	1	05/02/2021 21:02	WG1662731
Tetrachloroethene	U	UJ C3 J3	0.300	0.500	1	05/02/2021 21:02	WG1662731
Toluene	U	UJ C3 J3 J4	0.278	0.500	1	05/02/2021 21:02	WG1662731
1,2,3-Trichlorobenzene	U	UJ C3 J3	0.164	0.500	1	05/02/2021 21:02	WG1662731
1,2,4-Trichlorobenzene	U	UJ C3 J3	0.481	1.00	1	05/02/2021 21:02	WG1662731
1,1,1-Trichloroethane	U	UJ J3	0.149	0.500	1	05/02/2021 21:02	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 21:02	WG1662731
Trichloroethene	7.02		0.190	0.500	1	05/02/2021 21:02	WG1662731
Trichlorofluoromethane	U	UJ J3	0.160	2.50	1	05/02/2021 21:02	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 21:02	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 21:02	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 21:02	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 21:02	WG1662731
Vinyl acetate	U	UJ J3	0.692	5.00	1	05/02/2021 21:02	WG1662731
Vinyl chloride	U	UJ J3	0.234	0.500	1	05/02/2021 21:02	WG1662731
Xylenes, Total	U	UJ J3	0.174	1.50	1	05/02/2021 21:02	WG1662731
(S) Toluene-d8	*103*			*80.0-120*		*05/02/2021 21:02*	WG1662731
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/02/2021 21:02*	WG1662731
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*05/02/2021 21:02*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	1.33		0.0447	0.400	1	05/02/2021 22:28	WG1661440
(S) Nitrobenzene-d5	*72.7*			*10.0-120*		*05/02/2021 22:28*	WG1661440

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	05/03/2021 16:30	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 16:30	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 02:30	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 16:30	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 16:30	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 16:30	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 16:30	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 16:30	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 16:30	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 16:30	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 16:30	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 16:30	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 16:30	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 16:30	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 16:30	WG1663049
Hexachloro-1,3-butadiene	1.47	J	0.0968	10.0	1	05/03/2021 16:30	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 16:30	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 16:30	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isophorone	U		0.143	10.0	1	05/03/2021 16:30	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 16:30	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 16:30	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 16:30	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 16:30	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 16:30	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 16:30	WG1663049
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 16:30	WG1663049
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 16:30	WG1663049
Di-n-butyl phthalate	1.41	J	0.453	3.00	1	05/03/2021 16:30	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 16:30	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 16:30	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 16:30	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 16:30	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 16:30	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 16:30	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 16:30	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 16:30	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 16:30	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 16:30	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 16:30	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 16:30	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 16:30	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 16:30	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 16:30	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 16:30	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 16:30	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 16:30	WG1663049
(S) 2-Fluorophenol	*42.9*			*10.0-120*		*05/03/2021 16:30*	WG1663049
(S) 2-Fluorophenol	*45.6*			*10.0-120*		*05/04/2021 02:30*	WG1663049
(S) Phenol-d5	*27.7*			*10.0-120*		*05/03/2021 16:30*	WG1663049
(S) Phenol-d5	*29.3*			*10.0-120*		*05/04/2021 02:30*	WG1663049
(S) Nitrobenzene-d5	*69.7*			*10.0-127*		*05/03/2021 16:30*	WG1663049
(S) Nitrobenzene-d5	*85.0*			*10.0-127*		*05/04/2021 02:30*	WG1663049
(S) 2-Fluorobiphenyl	*86.7*			*10.0-130*		*05/03/2021 16:30*	WG1663049
(S) 2-Fluorobiphenyl	*90.0*			*10.0-130*		*05/04/2021 02:30*	WG1663049
(S) 2,4,6-Tribromophenol	*78.0*			*10.0-155*		*05/04/2021 02:30*	WG1663049
(S) 2,4,6-Tribromophenol	*107*			*10.0-155*		*05/03/2021 16:30*	WG1663049
(S) p-Terphenyl-d14	*90.4*			*10.0-128*		*05/03/2021 16:30*	WG1663049
(S) p-Terphenyl-d14	*98.3*			*10.0-128*		*05/04/2021 02:30*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	05/03/2021 22:43	WG1662886
Acenaphthene	U		0.0190	0.0500	1	05/03/2021 22:43	WG1662886
Acenaphthylene	U		0.0171	0.0500	1	05/03/2021 22:43	WG1662886
Benzo(a)anthracene	U		0.0203	0.0500	1	05/03/2021 22:43	WG1662886
Benzo(a)pyrene	U		0.0184	0.0500	1	05/03/2021 22:43	WG1662886
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/03/2021 22:43	WG1662886
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/03/2021 22:43	WG1662886
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/03/2021 22:43	WG1662886
Chrysene	U		0.0179	0.0500	1	05/03/2021 22:43	WG1662886
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/03/2021 22:43	WG1662886
Dibenzofuran	U		0.0191	0.0500	1	05/03/2021 22:43	WG1662886
Fluoranthene	U		0.0270	0.100	1	05/03/2021 22:43	WG1662886

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Fluorene	U		0.0169	0.0500	1	05/03/2021 22:43	WG1662886
Hexachlorobenzene	U		0.00670	0.0500	1	05/03/2021 22:43	WG1662886
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/03/2021 22:43	WG1662886
Naphthalene	U		0.0917	0.250	1	05/03/2021 22:43	WG1662886
Phenanthrene	U		0.0180	0.0500	1	05/03/2021 22:43	WG1662886
Pyrene	U		0.0169	0.0500	1	05/03/2021 22:43	WG1662886
1-Methylnaphthalene	U		0.0687	0.250	1	05/03/2021 22:43	WG1662886
2-Methylnaphthalene	U		0.0674	0.250	1	05/03/2021 22:43	WG1662886
2-Chloronaphthalene	U		0.0682	0.250	1	05/03/2021 22:43	WG1662886
(S) Nitrobenzene-d5	*104*			*31.0-160*		*05/03/2021 22:43*	WG1662886
(S) 2-Fluorobiphenyl	*89.5*			*48.0-148*		*05/03/2021 22:43*	WG1662886
(S) p-Terphenyl-d14	*96.8*			*37.0-146*		*05/03/2021 22:43*	WG1662886

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 13:13	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier		MDL	RDL	Dilution	Analysis	Batch	
	ug/l			ug/l	ug/l		date / time		
1,2-Dibromo-3-chloropropane	U			0.000520	0.00500	1	05/02/2021 15:10	WG1662803	
Acetone	U			11.3	25.0	1	05/02/2021 21:22	WG1662731	
Acrylonitrile	U			0.671	5.00	1	05/02/2021 21:22	WG1662731	
Benzene	U			0.0941	0.500	1	05/02/2021 21:22	WG1662731	
Bromobenzene	U			0.118	0.500	1	05/02/2021 21:22	WG1662731	
Bromodichloromethane	U			0.136	0.500	1	05/02/2021 21:22	WG1662731	
Bromochloromethane	U			0.128	0.500	1	05/02/2021 21:22	WG1662731	
Bromoform	U			0.129	0.500	1	05/02/2021 21:22	WG1662731	
Bromomethane	U	UJ	J3	0.605	2.50	1	05/02/2021 21:22	WG1662731	
n-Butylbenzene	U	UJ	C3 J3	0.157	0.500	1	05/02/2021 21:22	WG1662731	
sec-Butylbenzene	U			0.125	0.500	1	05/02/2021 21:22	WG1662731	
tert-Butylbenzene	U			0.127	0.500	1	05/02/2021 21:22	WG1662731	
Carbon disulfide	U			0.0962	0.500	1	05/02/2021 21:22	WG1662731	
Carbon tetrachloride	U	UJ	J3	0.128	0.500	1	05/02/2021 21:22	WG1662731	
Chlorobenzene	U			0.117	0.500	1	05/02/2021 21:22	WG1662731	
Chlorodibromomethane	U			0.140	0.500	1	05/02/2021 21:22	WG1662731	
Chloroethane	U			0.192	2.50	1	05/02/2021 21:22	WG1662731	
2-Chloroethyl vinyl ether	U			0.575	50.0	1	05/02/2021 21:22	WG1662731	R
Chloroform	U			0.111	0.500	1	05/02/2021 21:22	WG1662731	
Chloromethane	U	UJ	J3	0.960	1.25	1	05/02/2021 21:22	WG1662731	
2-Chlorotoluene	U			0.106	0.500	1	05/02/2021 21:22	WG1662731	
4-Chlorotoluene	U			0.114	0.500	1	05/02/2021 21:22	WG1662731	
1,2-Dibromo-3-Chloropropane	U			0.276	2.50	1	05/02/2021 21:22	WG1662731	
1,2-Dibromoethane	U			0.126	0.500	1	05/02/2021 21:22	WG1662731	
Dibromomethane	U			0.122	0.500	1	05/02/2021 21:22	WG1662731	
1,2-Dichlorobenzene	U			0.107	0.500	1	05/02/2021 21:22	WG1662731	
1,3-Dichlorobenzene	U			0.299	0.500	1	05/02/2021 21:22	WG1662731	
1,4-Dichlorobenzene	U			0.120	0.500	1	05/02/2021 21:22	WG1662731	
Dichlorodifluoromethane	U	UJ	J3	0.374	2.50	1	05/02/2021 21:22	WG1662731	
1,1-Dichloroethane	U			0.100	0.500	1	05/02/2021 21:22	WG1662731	
1,2-Dichloroethane	U			0.0819	0.500	1	05/02/2021 21:22	WG1662731	
1,1-Dichloroethene	U	UJ	C3 J3	0.188	0.500	1	05/02/2021 21:22	WG1662731	
cis-1,2-Dichloroethene	U		J3	0.126	0.500	1	05/02/2021 21:22	WG1662731	
trans-1,2-Dichloroethene	U		J3	0.149	0.500	1	05/02/2021 21:22	WG1662731	
1,2-Dichloropropane	U			0.149	0.500	1	05/02/2021 21:22	WG1662731	
1,1-Dichloropropene	U	UJ	J3	0.142	0.500	1	05/02/2021 21:22	WG1662731	
1,3-Dichloropropane	U			0.109	1.00	1	05/02/2021 21:22	WG1662731	
cis-1,3-Dichloropropene	U			0.111	0.500	1	05/02/2021 21:22	WG1662731	
trans-1,3-Dichloropropene	U			0.118	0.500	1	05/02/2021 21:22	WG1662731	
trans-1,4-Dichloro-2-butene	U			0.467	5.00	1	05/02/2021 21:22	WG1662731	
2,2-Dichloropropane	U	UJ	J3	0.161	0.500	1	05/02/2021 21:22	WG1662731	
Di-isopropyl ether	U			0.105	0.500	1	05/02/2021 21:22	WG1662731	
Ethylbenzene	U		J3	0.137	0.500	1	05/02/2021 21:22	WG1662731	
Hexachloro-1,3-butadiene	U	UJ	C3 J3	0.337	1.00	1	05/02/2021 21:22	WG1662731	
2-Hexanone	U			0.787	5.00	1	05/02/2021 21:22	WG1662731	
n-Hexane	U	UJ	J3	0.749	5.00	1	05/02/2021 21:22	WG1662731	
Iodomethane	U			0.554	5.00	1	05/02/2021 21:22	WG1662731	
Isopropylbenzene	U	UJ	J3	0.105	0.500	1	05/02/2021 21:22	WG1662731	
p-Isopropyltoluene	U			0.120	0.500	1	05/02/2021 21:22	WG1662731	
2-Butanone (MEK)	U			1.19	5.00	1	05/02/2021 21:22	WG1662731	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	05/02/2021 21:22	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 21:22	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 21:22	WG1662731
Naphthalene	U	UJ J3	0.174	2.50	1	05/02/2021 21:22	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 21:22	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 21:22	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 21:22	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 21:22	WG1662731
1,1,2-Trichlorotrifluoroethane	U	UJ C3 J3 J4	0.180	0.500	1	05/02/2021 21:22	WG1662731
Tetrachloroethene	U	C3 J3	0.300	0.500	1	05/02/2021 21:22	WG1662731
Toluene	U	C3 J3 J4	0.278	0.500	1	05/02/2021 21:22	WG1662731
1,2,3-Trichlorobenzene	U	C3 J3	0.164	0.500	1	05/02/2021 21:22	WG1662731
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	05/02/2021 21:22	WG1662731
1,1,1-Trichloroethane	U	J3	0.149	0.500	1	05/02/2021 21:22	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 21:22	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 21:22	WG1662731
Trichlorofluoromethane	U	UJ J3	0.160	2.50	1	05/02/2021 21:22	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 21:22	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 21:22	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 21:22	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 21:22	WG1662731
Vinyl acetate	U	J3	0.692	5.00	1	05/02/2021 21:22	WG1662731
Vinyl chloride	U	UJ J3	0.234	0.500	1	05/02/2021 21:22	WG1662731
Xylenes, Total	U	J3	0.174	1.50	1	05/02/2021 21:22	WG1662731
(S) Toluene-d8	*106*			*80.0-120*		*05/02/2021 21:22*	WG1662731
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*05/02/2021 21:22*	WG1662731
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/02/2021 21:22*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	05/03/2021 16:52	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 16:52	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 02:52	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 16:52	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 16:52	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 16:52	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 16:52	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 16:52	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 16:52	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 16:52	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 16:52	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 16:52	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 16:52	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 16:52	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 16:52	WG1663049
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 16:52	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 16:52	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 16:52	WG1663049
Isophorone	U		0.143	10.0	1	05/03/2021 16:52	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 16:52	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 16:52	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 16:52	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 16:52	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 16:52	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 16:52	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 16:52	WG1663049
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 16:52	WG1663049
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 16:52	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 16:52	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 16:52	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 16:52	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 16:52	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 16:52	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 16:52	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 16:52	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 16:52	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 16:52	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 16:52	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 16:52	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 16:52	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 16:52	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 16:52	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 16:52	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 16:52	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 16:52	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 16:52	WG1663049
(S) 2-Fluorophenol	*37.1*			*10.0-120*		*05/04/2021 02:52*	WG1663049
(S) 2-Fluorophenol	*34.6*			*10.0-120*		*05/03/2021 16:52*	WG1663049
(S) Phenol-d5	*25.9*			*10.0-120*		*05/04/2021 02:52*	WG1663049
(S) Phenol-d5	*24.0*			*10.0-120*		*05/03/2021 16:52*	WG1663049
(S) Nitrobenzene-d5	*51.0*			*10.0-127*		*05/03/2021 16:52*	WG1663049
(S) Nitrobenzene-d5	*57.4*			*10.0-127*		*05/04/2021 02:52*	WG1663049
(S) 2-Fluorobiphenyl	*65.8*			*10.0-130*		*05/04/2021 02:52*	WG1663049
(S) 2-Fluorobiphenyl	*63.8*			*10.0-130*		*05/03/2021 16:52*	WG1663049
(S) 2,4,6-Tribromophenol	*83.5*			*10.0-155*		*05/03/2021 16:52*	WG1663049
(S) 2,4,6-Tribromophenol	*61.5*			*10.0-155*		*05/04/2021 02:52*	WG1663049
(S) p-Terphenyl-d14	*76.4*			*10.0-128*		*05/03/2021 16:52*	WG1663049
(S) p-Terphenyl-d14	*80.6*			*10.0-128*		*05/04/2021 02:52*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	05/03/2021 22:58	WG1662886
Acenaphthene	U		0.0190	0.0500	1	05/03/2021 22:58	WG1662886
Acenaphthylene	U		0.0171	0.0500	1	05/03/2021 22:58	WG1662886
Benzo(a)anthracene	U		0.0203	0.0500	1	05/03/2021 22:58	WG1662886
Benzo(a)pyrene	U		0.0184	0.0500	1	05/03/2021 22:58	WG1662886
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/03/2021 22:58	WG1662886
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/03/2021 22:58	WG1662886
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/03/2021 22:58	WG1662886
Chrysene	U		0.0179	0.0500	1	05/03/2021 22:58	WG1662886
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/03/2021 22:58	WG1662886
Dibenzofuran	U		0.0191	0.0500	1	05/03/2021 22:58	WG1662886
Fluoranthene	U		0.0270	0.100	1	05/03/2021 22:58	WG1662886
Fluorene	U		0.0169	0.0500	1	05/03/2021 22:58	WG1662886
Hexachlorobenzene	U		0.00670	0.0500	1	05/03/2021 22:58	WG1662886
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/03/2021 22:58	WG1662886
Naphthalene	U		0.0917	0.250	1	05/03/2021 22:58	WG1662886
Phenanthrene	U		0.0180	0.0500	1	05/03/2021 22:58	WG1662886
Pyrene	U		0.0169	0.0500	1	05/03/2021 22:58	WG1662886
1-Methylnaphthalene	U		0.0687	0.250	1	05/03/2021 22:58	WG1662886

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/03/2021 22:58	WG1662886
2-Chloronaphthalene	U		0.0682	0.250	1	05/03/2021 22:58	WG1662886
(S) Nitrobenzene-d5	*106*			*31.0-160*		*05/03/2021 22:58*	WG1662886
(S) 2-Fluorobiphenyl	*92.1*			*48.0-148*		*05/03/2021 22:58*	WG1662886
(S) p-Terphenyl-d14	*94.2*			*37.0-146*		*05/03/2021 22:58*	WG1662886

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 13:17	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 17:55	WG1662803	
Acetone	U		11.3	25.0	1	05/02/2021 21:42	WG1662731	
Acrylonitrile	U		0.671	5.00	1	05/02/2021 21:42	WG1662731	
Benzene	U		0.0941	0.500	1	05/02/2021 21:42	WG1662731	
Bromobenzene	U		0.118	0.500	1	05/02/2021 21:42	WG1662731	
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 21:42	WG1662731	
Bromochloromethane	U		0.128	0.500	1	05/02/2021 21:42	WG1662731	
Bromoform	U		0.129	0.500	1	05/02/2021 21:42	WG1662731	
Bromomethane	U	J3	0.605	2.50	1	05/02/2021 21:42	WG1662731	
n-Butylbenzene	U	UJ C3 J3	0.157	0.500	1	05/02/2021 21:42	WG1662731	
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 21:42	WG1662731	
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 21:42	WG1662731	
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 21:42	WG1662731	
Carbon tetrachloride	U	UJ J3	0.128	0.500	1	05/02/2021 21:42	WG1662731	
Chlorobenzene	U		0.117	0.500	1	05/02/2021 21:42	WG1662731	
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 21:42	WG1662731	
Chloroethane	U		0.192	2.50	1	05/02/2021 21:42	WG1662731	
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/02/2021 21:42	WG1662731	UJ
Chloroform	0.120	J	0.111	0.500	1	05/02/2021 21:42	WG1662731	
Chloromethane	U	UJ J3	0.960	1.25	1	05/02/2021 21:42	WG1662731	
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 21:42	WG1662731	
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 21:42	WG1662731	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 21:42	WG1662731	
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 21:42	WG1662731	
Dibromomethane	U		0.122	0.500	1	05/02/2021 21:42	WG1662731	
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 21:42	WG1662731	
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 21:42	WG1662731	
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 21:42	WG1662731	
Dichlorodifluoromethane	U	UJ J3	0.374	2.50	1	05/02/2021 21:42	WG1662731	
1,1-Dichloroethane	0.123	J	0.100	0.500	1	05/02/2021 21:42	WG1662731	
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 21:42	WG1662731	
1,1-Dichloroethene	U	UJ C3 J3	0.188	0.500	1	05/02/2021 21:42	WG1662731	
cis-1,2-Dichloroethene	2.78	J J3	0.126	0.500	1	05/02/2021 21:42	WG1662731	
trans-1,2-Dichloroethene	U	UJ J3	0.149	0.500	1	05/02/2021 21:42	WG1662731	
1,2-Dichloropropane	U		0.149	0.500	1	05/02/2021 21:42	WG1662731	
1,1-Dichloropropene	U	UJ J3	0.142	0.500	1	05/02/2021 21:42	WG1662731	
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 21:42	WG1662731	
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 21:42	WG1662731	
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 21:42	WG1662731	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 21:42	WG1662731	
2,2-Dichloropropane	U	UJ J3	0.161	0.500	1	05/02/2021 21:42	WG1662731	
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 21:42	WG1662731	
Ethylbenzene	U	UJ J3	0.137	0.500	1	05/02/2021 21:42	WG1662731	
Hexachloro-1,3-butadiene	0.715	J C3 J J3	0.337	1.00	1	05/02/2021 21:42	WG1662731	
2-Hexanone	U		0.787	5.00	1	05/02/2021 21:42	WG1662731	
n-Hexane	U	UJ J3	0.749	5.00	1	05/02/2021 21:42	WG1662731	
Iodomethane	U		0.554	5.00	1	05/02/2021 21:42	WG1662731	
Isopropylbenzene	U	UJ J3	0.105	0.500	1	05/02/2021 21:42	WG1662731	
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2021 21:42	WG1662731	
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 21:42	WG1662731	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l		Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U			0.430	2.50	1	05/02/2021 21:42	WG1662731
4-Methyl-2-pentanone (MIBK)	U			0.478	5.00	1	05/02/2021 21:42	WG1662731
Methyl tert-butyl ether	U			0.101	0.500	1	05/02/2021 21:42	WG1662731
Naphthalene	U	UJ	~~J3~~	0.174	2.50	1	05/02/2021 21:42	WG1662731
n-Propylbenzene	U			0.0993	0.500	1	05/02/2021 21:42	WG1662731
Styrene	U			0.118	0.500	1	05/02/2021 21:42	WG1662731
1,1,1,2-Tetrachloroethane	U			0.147	0.500	1	05/02/2021 21:42	WG1662731
1,1,2,2-Tetrachloroethane	U			0.133	0.500	1	05/02/2021 21:42	WG1662731
1,1,2-Trichlorotrifluoroethane	U	UJ	~~C3 J3 J4~~	0.180	0.500	1	05/02/2021 21:42	WG1662731
Tetrachloroethene	U		~~C3 J3~~	0.300	0.500	1	05/02/2021 21:42	WG1662731
Toluene	U		~~C3 J3 J4~~	0.278	0.500	1	05/02/2021 21:42	WG1662731
1,2,3-Trichlorobenzene	U		~~C3 J3~~	0.164	0.500	1	05/02/2021 21:42	WG1662731
1,2,4-Trichlorobenzene	U		~~C3 J3~~	0.481	1.00	1	05/02/2021 21:42	WG1662731
1,1,1-Trichloroethane	U		~~J3~~	0.149	0.500	1	05/02/2021 21:42	WG1662731
1,1,2-Trichloroethane	U			0.158	0.500	1	05/02/2021 21:42	WG1662731
Trichloroethene	6.38			0.190	0.500	1	05/02/2021 21:42	WG1662731
Trichlorofluoromethane	U	UJ	~~J3~~	0.160	2.50	1	05/02/2021 21:42	WG1662731
1,2,3-Trichloropropane	U			0.237	2.50	1	05/02/2021 21:42	WG1662731
1,2,4-Trimethylbenzene	U			0.322	0.500	1	05/02/2021 21:42	WG1662731
1,2,3-Trimethylbenzene	U			0.104	0.500	1	05/02/2021 21:42	WG1662731
1,3,5-Trimethylbenzene	U			0.104	0.500	1	05/02/2021 21:42	WG1662731
Vinyl acetate	U		~~J3~~	0.692	5.00	1	05/02/2021 21:42	WG1662731
Vinyl chloride	U	UJ	~~J3~~	0.234	0.500	1	05/02/2021 21:42	WG1662731
Xylenes, Total	U		~~J3~~	0.174	1.50	1	05/02/2021 21:42	WG1662731
(S) Toluene-d8	*105*				*80.0-120*		*05/02/2021 21:42*	WG1662731
(S) 4-Bromofluorobenzene	*102*				*77.0-126*		*05/02/2021 21:42*	WG1662731
(S) 1,2-Dichloroethane-d4	*109*				*70.0-130*		*05/02/2021 21:42*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	05/03/2021 17:15	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 17:15	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 03:13	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 17:15	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 17:15	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 17:15	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 17:15	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 17:15	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 17:15	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 17:15	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 17:15	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 17:15	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 17:15	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 17:15	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 17:15	WG1663049
Hexachloro-1,3-butadiene	0.426	J	0.0968	10.0	1	05/03/2021 17:15	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 17:15	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 17:15	WG1663049
Isophorone	U		0.143	10.0	1	05/03/2021 17:15	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 17:15	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 17:15	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 17:15	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 17:15	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 17:15	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 17:15	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 17:15	WG1663049
Bis(2-ethylhexyl)phthalate	1.08	J	0.895	3.00	1	05/03/2021 17:15	WG1663049
Di-n-butyl phthalate	12.8		0.453	3.00	1	05/03/2021 17:15	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 17:15	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 17:15	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 17:15	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 17:15	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 17:15	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 17:15	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 17:15	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 17:15	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 17:15	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 17:15	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 17:15	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 17:15	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 17:15	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 17:15	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 17:15	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 17:15	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 17:15	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 17:15	WG1663049
(S) 2-Fluorophenol	*41.9*			*10.0-120*		*05/04/2021 03:13*	WG1663049
(S) 2-Fluorophenol	*37.6*			*10.0-120*		*05/03/2021 17:15*	WG1663049
(S) Phenol-d5	*26.8*			*10.0-120*		*05/03/2021 17:15*	WG1663049
(S) Phenol-d5	*29.1*			*10.0-120*		*05/04/2021 03:13*	WG1663049
(S) Nitrobenzene-d5	*72.8*			*10.0-127*		*05/04/2021 03:13*	WG1663049
(S) Nitrobenzene-d5	*62.3*			*10.0-127*		*05/03/2021 17:15*	WG1663049
(S) 2-Fluorobiphenyl	*79.7*			*10.0-130*		*05/04/2021 03:13*	WG1663049
(S) 2-Fluorobiphenyl	*78.6*			*10.0-130*		*05/03/2021 17:15*	WG1663049
(S) 2,4,6-Tribromophenol	*96.5*			*10.0-155*		*05/03/2021 17:15*	WG1663049
(S) 2,4,6-Tribromophenol	*73.5*			*10.0-155*		*05/04/2021 03:13*	WG1663049
(S) p-Terphenyl-d14	*88.3*			*10.0-128*		*05/04/2021 03:13*	WG1663049
(S) p-Terphenyl-d14	*84.5*			*10.0-128*		*05/03/2021 17:15*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	05/03/2021 23:13	WG1662886
Acenaphthene	U		0.0190	0.0500	1	05/03/2021 23:13	WG1662886
Acenaphthylene	U		0.0171	0.0500	1	05/03/2021 23:13	WG1662886
Benzo(a)anthracene	U		0.0203	0.0500	1	05/03/2021 23:13	WG1662886
Benzo(a)pyrene	U		0.0184	0.0500	1	05/03/2021 23:13	WG1662886
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/03/2021 23:13	WG1662886
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/03/2021 23:13	WG1662886
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/03/2021 23:13	WG1662886
Chrysene	U		0.0179	0.0500	1	05/03/2021 23:13	WG1662886
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/03/2021 23:13	WG1662886
Dibenzofuran	U		0.0191	0.0500	1	05/03/2021 23:13	WG1662886
Fluoranthene	U		0.0270	0.100	1	05/03/2021 23:13	WG1662886
Fluorene	U		0.0169	0.0500	1	05/03/2021 23:13	WG1662886
Hexachlorobenzene	U		0.00670	0.0500	1	05/03/2021 23:13	WG1662886
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/03/2021 23:13	WG1662886
Naphthalene	U		0.0917	0.250	1	05/03/2021 23:13	WG1662886
Phenanthrene	U		0.0180	0.0500	1	05/03/2021 23:13	WG1662886
Pyrene	U		0.0169	0.0500	1	05/03/2021 23:13	WG1662886
1-Methylnaphthalene	U		0.0687	0.250	1	05/03/2021 23:13	WG1662886

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/03/2021 23:13	WG1662886
2-Chloronaphthalene	U		0.0682	0.250	1	05/03/2021 23:13	WG1662886
(S) Nitrobenzene-d5	*106*			*31.0-160*		*05/03/2021 23:13*	WG1662886
(S) 2-Fluorobiphenyl	*84.7*			*48.0-148*		*05/03/2021 23:13*	WG1662886
(S) p-Terphenyl-d14	*95.3*			*37.0-146*		*05/03/2021 23:13*	WG1662886

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	1.23	J	0.849	2.00	1	05/14/2021 13:20	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 15:34	WG1662803	
Acetone	U		11.3	25.0	1	05/02/2021 22:03	WG1662731	
Acrylonitrile	U		0.671	5.00	1	05/02/2021 22:03	WG1662731	
Benzene	U		0.0941	0.500	1	05/02/2021 22:03	WG1662731	
Bromobenzene	U		0.118	0.500	1	05/02/2021 22:03	WG1662731	
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 22:03	WG1662731	
Bromochloromethane	U		0.128	0.500	1	05/02/2021 22:03	WG1662731	
Bromoform	U		0.129	0.500	1	05/02/2021 22:03	WG1662731	
Bromomethane	U	UJ	~~J3~~	0.605	2.50	1	05/02/2021 22:03	WG1662731
n-Butylbenzene	U		~~C3 J3~~	0.157	0.500	1	05/02/2021 22:03	WG1662731
sec-Butylbenzene	U			0.125	0.500	1	05/02/2021 22:03	WG1662731
tert-Butylbenzene	U			0.127	0.500	1	05/02/2021 22:03	WG1662731
Carbon disulfide	U			0.0962	0.500	1	05/02/2021 22:03	WG1662731
Carbon tetrachloride	U	UJ	~~J3~~	0.128	0.500	1	05/02/2021 22:03	WG1662731
Chlorobenzene	U			0.117	0.500	1	05/02/2021 22:03	WG1662731
Chlorodibromomethane	U			0.140	0.500	1	05/02/2021 22:03	WG1662731
Chloroethane	U			0.192	2.50	1	05/02/2021 22:03	WG1662731
~~2-Chloroethyl vinyl ether~~	~~U~~			~~0.575~~	~~50.0~~	~~1~~	~~05/02/2021 22:03~~	~~WG1662731~~ UJ
Chloroform	U			0.111	0.500	1	05/02/2021 22:03	WG1662731
Chloromethane	U	UJ	~~J3~~	0.960	1.25	1	05/02/2021 22:03	WG1662731
2-Chlorotoluene	U			0.106	0.500	1	05/02/2021 22:03	WG1662731
4-Chlorotoluene	U			0.114	0.500	1	05/02/2021 22:03	WG1662731
1,2-Dibromo-3-Chloropropane	U			0.276	2.50	1	05/02/2021 22:03	WG1662731
1,2-Dibromoethane	U			0.126	0.500	1	05/02/2021 22:03	WG1662731
Dibromomethane	U			0.122	0.500	1	05/02/2021 22:03	WG1662731
1,2-Dichlorobenzene	U			0.107	0.500	1	05/02/2021 22:03	WG1662731
1,3-Dichlorobenzene	U			0.299	0.500	1	05/02/2021 22:03	WG1662731
1,4-Dichlorobenzene	U			0.120	0.500	1	05/02/2021 22:03	WG1662731
Dichlorodifluoromethane	U	UJ	~~J3~~	0.374	2.50	1	05/02/2021 22:03	WG1662731
1,1-Dichloroethane	U			0.100	0.500	1	05/02/2021 22:03	WG1662731
1,2-Dichloroethane	U			0.0819	0.500	1	05/02/2021 22:03	WG1662731
1,1-Dichloroethene	U	UJ	~~C3 J3~~	0.188	0.500	1	05/02/2021 22:03	WG1662731
cis-1,2-Dichloroethene	U		~~J3~~	0.126	0.500	1	05/02/2021 22:03	WG1662731
trans-1,2-Dichloroethene	U		~~J3~~	0.149	0.500	1	05/02/2021 22:03	WG1662731
1,2-Dichloropropane	U			0.149	0.500	1	05/02/2021 22:03	WG1662731
1,1-Dichloropropene	U	UJ	~~J3~~	0.142	0.500	1	05/02/2021 22:03	WG1662731
1,3-Dichloropropane	U			0.109	1.00	1	05/02/2021 22:03	WG1662731
cis-1,3-Dichloropropene	U			0.111	0.500	1	05/02/2021 22:03	WG1662731
trans-1,3-Dichloropropene	U			0.118	0.500	1	05/02/2021 22:03	WG1662731
trans-1,4-Dichloro-2-butene	U			0.467	5.00	1	05/02/2021 22:03	WG1662731
2,2-Dichloropropane	U	UJ	~~J3~~	0.161	0.500	1	05/02/2021 22:03	WG1662731
Di-isopropyl ether	U			0.105	0.500	1	05/02/2021 22:03	WG1662731
Ethylbenzene	U		~~J3~~	0.137	0.500	1	05/02/2021 22:03	WG1662731
Hexachloro-1,3-butadiene	U	UJ	~~C3 J3~~	0.337	1.00	1	05/02/2021 22:03	WG1662731
2-Hexanone	U			0.787	5.00	1	05/02/2021 22:03	WG1662731
n-Hexane	U	UJ	~~J3~~	0.749	5.00	1	05/02/2021 22:03	WG1662731
Iodomethane	U			0.554	5.00	1	05/02/2021 22:03	WG1662731
Isopropylbenzene	U	UJ	~~J3~~	0.105	0.500	1	05/02/2021 22:03	WG1662731
p-Isopropyltoluene	U			0.120	0.500	1	05/02/2021 22:03	WG1662731
2-Butanone (MEK)	U			1.19	5.00	1	05/02/2021 22:03	WG1662731

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	05/02/2021 22:03	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 22:03	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 22:03	WG1662731
Naphthalene	U	UJ J3	0.174	2.50	1	05/02/2021 22:03	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 22:03	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 22:03	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 22:03	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 22:03	WG1662731
1,1,2-Trichlorotrifluoroethane	U	UJ C3 J3 J4	0.180	0.500	1	05/02/2021 22:03	WG1662731
Tetrachloroethene	U	C3 J3	0.300	0.500	1	05/02/2021 22:03	WG1662731
Toluene	U	C3 J3 J4	0.278	0.500	1	05/02/2021 22:03	WG1662731
1,2,3-Trichlorobenzene	U	C3 J3	0.164	0.500	1	05/02/2021 22:03	WG1662731
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	05/02/2021 22:03	WG1662731
1,1,1-Trichloroethane	U	J3	0.149	0.500	1	05/02/2021 22:03	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 22:03	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 22:03	WG1662731
Trichlorofluoromethane	U	UJ J3	0.160	2.50	1	05/02/2021 22:03	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 22:03	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 22:03	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 22:03	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 22:03	WG1662731
Vinyl acetate	U	J3	0.692	5.00	1	05/02/2021 22:03	WG1662731
Vinyl chloride	U	UJ J3	0.234	0.500	1	05/02/2021 22:03	WG1662731
Xylenes, Total	U	J3	0.174	1.50	1	05/02/2021 22:03	WG1662731
(S) Toluene-d8	*101*			*80.0-120*		*05/02/2021 22:03*	WG1662731
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/02/2021 22:03*	WG1662731
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*05/02/2021 22:03*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	05/03/2021 17:37	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 17:37	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 03:35	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 17:37	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 17:37	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 17:37	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 17:37	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 17:37	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 17:37	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 17:37	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 17:37	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 17:37	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 17:37	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 17:37	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 17:37	WG1663049
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 17:37	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 17:37	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 17:37	WG1663049
Isophorone	U		0.143	10.0	1	05/03/2021 17:37	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 17:37	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 17:37	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 17:37	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 17:37	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 17:37	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 17:37	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 17:37	WG1663049
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 17:37	WG1663049
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 17:37	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 17:37	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 17:37	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 17:37	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 17:37	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 17:37	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 17:37	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 17:37	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 17:37	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 17:37	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 17:37	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 17:37	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 17:37	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 17:37	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 17:37	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 17:37	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 17:37	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 17:37	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 17:37	WG1663049
(S) 2-Fluorophenol	*41.1*			*10.0-120*		*05/03/2021 17:37*	WG1663049
(S) 2-Fluorophenol	*44.5*			*10.0-120*		*05/04/2021 03:35*	WG1663049
(S) Phenol-d5	*28.3*			*10.0-120*		*05/03/2021 17:37*	WG1663049
(S) Phenol-d5	*30.4*			*10.0-120*		*05/04/2021 03:35*	WG1663049
(S) Nitrobenzene-d5	*78.7*			*10.0-127*		*05/04/2021 03:35*	WG1663049
(S) Nitrobenzene-d5	*68.1*			*10.0-127*		*05/03/2021 17:37*	WG1663049
(S) 2-Fluorobiphenyl	*81.4*			*10.0-130*		*05/04/2021 03:35*	WG1663049
(S) 2-Fluorobiphenyl	*80.0*			*10.0-130*		*05/03/2021 17:37*	WG1663049
(S) 2,4,6-Tribromophenol	*104*			*10.0-155*		*05/03/2021 17:37*	WG1663049
(S) 2,4,6-Tribromophenol	*75.5*			*10.0-155*		*05/04/2021 03:35*	WG1663049
(S) p-Terphenyl-d14	*82.6*			*10.0-128*		*05/03/2021 17:37*	WG1663049
(S) p-Terphenyl-d14	*89.3*			*10.0-128*		*05/04/2021 03:35*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/04/2021 09:58	WG1663668
Acenaphthene	U		0.0190	0.0500	1	05/04/2021 09:58	WG1663668
Acenaphthylene	U		0.0171	0.0500	1	05/04/2021 09:58	WG1663668
Benzo(a)anthracene	U		0.0203	0.0500	1	05/04/2021 09:58	WG1663668
Benzo(a)pyrene	U		0.0184	0.0500	1	05/04/2021 09:58	WG1663668
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/04/2021 09:58	WG1663668
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/04/2021 09:58	WG1663668
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/04/2021 09:58	WG1663668
Chrysene	U		0.0179	0.0500	1	05/04/2021 09:58	WG1663668
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/04/2021 09:58	WG1663668
Dibenzofuran	U		0.0191	0.0500	1	05/04/2021 09:58	WG1663668
Fluoranthene	U		0.0270	0.100	1	05/04/2021 09:58	WG1663668
Fluorene	U		0.0169	0.0500	1	05/04/2021 09:58	WG1663668
Hexachlorobenzene	U		0.00670	0.0500	1	05/04/2021 09:58	WG1663668
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/04/2021 09:58	WG1663668
Naphthalene	U		0.0917	0.250	1	05/04/2021 09:58	WG1663668
Phenanthrene	U		0.0180	0.0500	1	05/04/2021 09:58	WG1663668
Pyrene	U		0.0169	0.0500	1	05/04/2021 09:58	WG1663668
1-Methylnaphthalene	U		0.0687	0.250	1	05/04/2021 09:58	WG1663668

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/04/2021 09:58	WG1663668
2-Chloronaphthalene	U		0.0682	0.250	1	05/04/2021 09:58	WG1663668
(S) Nitrobenzene-d5	*98.5*			*31.0-160*		*05/04/2021 09:58*	WG1663668
(S) 2-Fluorobiphenyl	*112*			*48.0-148*		*05/04/2021 09:58*	WG1663668
(S) p-Terphenyl-d14	*136*			*37.0-146*		*05/04/2021 09:58*	WG1663668

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 13:23	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 15:57	WG1662803	
Acetone	U		11.3	25.0	1	05/02/2021 22:23	WG1662731	
Acrylonitrile	U		0.671	5.00	1	05/02/2021 22:23	WG1662731	
Benzene	U		0.0941	0.500	1	05/02/2021 22:23	WG1662731	
Bromobenzene	U		0.118	0.500	1	05/02/2021 22:23	WG1662731	
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 22:23	WG1662731	
Bromochloromethane	U		0.128	0.500	1	05/02/2021 22:23	WG1662731	
Bromoform	U		0.129	0.500	1	05/02/2021 22:23	WG1662731	
Bromomethane	U		~~J3~~	0.605	2.50	1	05/02/2021 22:23	WG1662731
n-Butylbenzene	U	UJ	~~C3 J3~~	0.157	0.500	1	05/02/2021 22:23	WG1662731
sec-Butylbenzene	U			0.125	0.500	1	05/02/2021 22:23	WG1662731
tert-Butylbenzene	U			0.127	0.500	1	05/02/2021 22:23	WG1662731
Carbon disulfide	U			0.0962	0.500	1	05/02/2021 22:23	WG1662731
Carbon tetrachloride	U	UJ	~~J3~~	0.128	0.500	1	05/02/2021 22:23	WG1662731
Chlorobenzene	U			0.117	0.500	1	05/02/2021 22:23	WG1662731
Chlorodibromomethane	U			0.140	0.500	1	05/02/2021 22:23	WG1662731
Chloroethane	U			0.192	2.50	1	05/02/2021 22:23	WG1662731
~~2-Chloroethyl vinyl ether~~	~~U~~			~~0.575~~	~~50.0~~	~~1~~	~~05/02/2021 22:23~~	~~WG1662731~~ R
Chloroform	U			0.111	0.500	1	05/02/2021 22:23	WG1662731
Chloromethane	U	UJ	~~J3~~	0.960	1.25	1	05/02/2021 22:23	WG1662731
2-Chlorotoluene	U			0.106	0.500	1	05/02/2021 22:23	WG1662731
4-Chlorotoluene	U			0.114	0.500	1	05/02/2021 22:23	WG1662731
1,2-Dibromo-3-Chloropropane	U			0.276	2.50	1	05/02/2021 22:23	WG1662731
1,2-Dibromoethane	U			0.126	0.500	1	05/02/2021 22:23	WG1662731
Dibromomethane	U			0.122	0.500	1	05/02/2021 22:23	WG1662731
1,2-Dichlorobenzene	U			0.107	0.500	1	05/02/2021 22:23	WG1662731
1,3-Dichlorobenzene	U			0.299	0.500	1	05/02/2021 22:23	WG1662731
1,4-Dichlorobenzene	U			0.120	0.500	1	05/02/2021 22:23	WG1662731
Dichlorodifluoromethane	U	UJ	~~J3~~	0.374	2.50	1	05/02/2021 22:23	WG1662731
1,1-Dichloroethane	U			0.100	0.500	1	05/02/2021 22:23	WG1662731
1,2-Dichloroethane	U			0.0819	0.500	1	05/02/2021 22:23	WG1662731
1,1-Dichloroethene	U		~~C3 J3~~	0.188	0.500	1	05/02/2021 22:23	WG1662731
cis-1,2-Dichloroethene	U	UJ	~~J3~~	0.126	0.500	1	05/02/2021 22:23	WG1662731
trans-1,2-Dichloroethene	U		~~J3~~	0.149	0.500	1	05/02/2021 22:23	WG1662731
1,2-Dichloropropane	U			0.149	0.500	1	05/02/2021 22:23	WG1662731
1,1-Dichloropropene	U	UJ	~~J3~~	0.142	0.500	1	05/02/2021 22:23	WG1662731
1,3-Dichloropropane	U			0.109	1.00	1	05/02/2021 22:23	WG1662731
cis-1,3-Dichloropropene	U			0.111	0.500	1	05/02/2021 22:23	WG1662731
trans-1,3-Dichloropropene	U			0.118	0.500	1	05/02/2021 22:23	WG1662731
trans-1,4-Dichloro-2-butene	U			0.467	5.00	1	05/02/2021 22:23	WG1662731
2,2-Dichloropropane	U	UJ	~~J3~~	0.161	0.500	1	05/02/2021 22:23	WG1662731
Di-isopropyl ether	U			0.105	0.500	1	05/02/2021 22:23	WG1662731
Ethylbenzene	U		~~J3~~	0.137	0.500	1	05/02/2021 22:23	WG1662731
Hexachloro-1,3-butadiene	U	UJ	~~C3 J3~~	0.337	1.00	1	05/02/2021 22:23	WG1662731
2-Hexanone	U			0.787	5.00	1	05/02/2021 22:23	WG1662731
n-Hexane	U	UJ	~~J3~~	0.749	5.00	1	05/02/2021 22:23	WG1662731
Iodomethane	U			0.554	5.00	1	05/02/2021 22:23	WG1662731
Isopropylbenzene	U	UJ	~~J3~~	0.105	0.500	1	05/02/2021 22:23	WG1662731
p-Isopropyltoluene	U			0.120	0.500	1	05/02/2021 22:23	WG1662731
2-Butanone (MEK)	U			1.19	5.00	1	05/02/2021 22:23	WG1662731

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	05/02/2021 22:23	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 22:23	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 22:23	WG1662731
Naphthalene	U	UJ J3	0.174	2.50	1	05/02/2021 22:23	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 22:23	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 22:23	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 22:23	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 22:23	WG1662731
1,1,2-Trichlorotrifluoroethane	U	UJ C3 J3 J4	0.180	0.500	1	05/02/2021 22:23	WG1662731
Tetrachloroethene	U	C3 J3	0.300	0.500	1	05/02/2021 22:23	WG1662731
Toluene	U	C3 J3 J4	0.278	0.500	1	05/02/2021 22:23	WG1662731
1,2,3-Trichlorobenzene	U	C3 J3	0.164	0.500	1	05/02/2021 22:23	WG1662731
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	05/02/2021 22:23	WG1662731
1,1,1-Trichloroethane	U	J3	0.149	0.500	1	05/02/2021 22:23	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 22:23	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 22:23	WG1662731
Trichlorofluoromethane	U	UJ J3	0.160	2.50	1	05/02/2021 22:23	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 22:23	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 22:23	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 22:23	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 22:23	WG1662731
Vinyl acetate	U	J3	0.692	5.00	1	05/02/2021 22:23	WG1662731
Vinyl chloride	U	UJ J3	0.234	0.500	1	05/02/2021 22:23	WG1662731
Xylenes, Total	U	J3	0.174	1.50	1	05/02/2021 22:23	WG1662731
(S) Toluene-d8	*103*			*80.0-120*		*05/02/2021 22:23*	WG1662731
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/02/2021 22:23*	WG1662731
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*05/02/2021 22:23*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	05/03/2021 17:59	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 17:59	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 03:57	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 17:59	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 17:59	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 17:59	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 17:59	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 17:59	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 17:59	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 17:59	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 17:59	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 17:59	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 17:59	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 17:59	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 17:59	WG1663049
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 17:59	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 17:59	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 17:59	WG1663049
Isophorone	U		0.143	10.0	1	05/03/2021 17:59	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 17:59	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 17:59	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 17:59	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 17:59	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 17:59	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 17:59	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 17:59	WG1663049
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 17:59	WG1663049
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 17:59	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 17:59	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 17:59	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 17:59	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 17:59	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 17:59	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 17:59	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 17:59	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 17:59	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 17:59	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 17:59	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 17:59	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 17:59	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 17:59	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 17:59	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 17:59	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 17:59	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 17:59	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 17:59	WG1663049
(S) 2-Fluorophenol	*57.0*			*10.0-120*		*05/03/2021 17:59*	WG1663049
(S) 2-Fluorophenol	*61.0*			*10.0-120*		*05/04/2021 03:57*	WG1663049
(S) Phenol-d5	*37.3*			*10.0-120*		*05/03/2021 17:59*	WG1663049
(S) Phenol-d5	*38.8*			*10.0-120*		*05/04/2021 03:57*	WG1663049
(S) Nitrobenzene-d5	*80.9*			*10.0-127*		*05/03/2021 17:59*	WG1663049
(S) Nitrobenzene-d5	*95.8*			*10.0-127*		*05/04/2021 03:57*	WG1663049
(S) 2-Fluorobiphenyl	*97.2*			*10.0-130*		*05/04/2021 03:57*	WG1663049
(S) 2-Fluorobiphenyl	*97.2*			*10.0-130*		*05/03/2021 17:59*	WG1663049
(S) 2,4,6-Tribromophenol	*110*			*10.0-155*		*05/03/2021 17:59*	WG1663049
(S) 2,4,6-Tribromophenol	*82.5*			*10.0-155*		*05/04/2021 03:57*	WG1663049
(S) p-Terphenyl-d14	*86.1*			*10.0-128*		*05/03/2021 17:59*	WG1663049
(S) p-Terphenyl-d14	*96.5*			*10.0-128*		*05/04/2021 03:57*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	05/04/2021 10:07	WG1663668
Acenaphthene	U		0.0190	0.0500	1	05/04/2021 10:07	WG1663668
Acenaphthylene	U		0.0171	0.0500	1	05/04/2021 10:07	WG1663668
Benzo(a)anthracene	U		0.0203	0.0500	1	05/04/2021 10:07	WG1663668
Benzo(a)pyrene	U		0.0184	0.0500	1	05/04/2021 10:07	WG1663668
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/04/2021 10:07	WG1663668
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/04/2021 10:07	WG1663668
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/04/2021 10:07	WG1663668
Chrysene	U		0.0179	0.0500	1	05/04/2021 10:07	WG1663668
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/04/2021 10:07	WG1663668
Dibenzofuran	U		0.0191	0.0500	1	05/04/2021 10:07	WG1663668
Fluoranthene	U		0.0270	0.100	1	05/04/2021 10:07	WG1663668
Fluorene	U		0.0169	0.0500	1	05/04/2021 10:07	WG1663668
Hexachlorobenzene	U		0.00670	0.0500	1	05/04/2021 10:07	WG1663668
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/04/2021 10:07	WG1663668
Naphthalene	U		0.0917	0.250	1	05/04/2021 10:07	WG1663668
Phenanthrene	U		0.0180	0.0500	1	05/04/2021 10:07	WG1663668
Pyrene	U		0.0169	0.0500	1	05/04/2021 10:07	WG1663668
1-Methylnaphthalene	U		0.0687	0.250	1	05/04/2021 10:07	WG1663668

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/04/2021 10:07	WG1663668
2-Chloronaphthalene	U		0.0682	0.250	1	05/04/2021 10:07	WG1663668
(S) Nitrobenzene-d5	*96.5*			*31.0-160*		*05/04/2021 10:07*	WG1663668
(S) 2-Fluorobiphenyl	*113*			*48.0-148*		*05/04/2021 10:07*	WG1663668
(S) p-Terphenyl-d14	*134*			*37.0-146*		*05/04/2021 10:07*	WG1663668

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	0.887	J	0.849	2.00	1	05/14/2021 13:27	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 16:21	WG1662803
Acetone	U		11.3	25.0	1	05/02/2021 22:43	WG1662731
Acrylonitrile	U		0.671	5.00	1	05/02/2021 22:43	WG1662731
Benzene	U		0.0941	0.500	1	05/02/2021 22:43	WG1662731
Bromobenzene	U		0.118	0.500	1	05/02/2021 22:43	WG1662731
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 22:43	WG1662731
Bromochloromethane	U		0.128	0.500	1	05/02/2021 22:43	WG1662731
Bromoform	U		0.129	0.500	1	05/02/2021 22:43	WG1662731
Bromomethane	U	~~J3~~	0.605	2.50	1	05/02/2021 22:43	WG1662731
n-Butylbenzene	U	UJ ~~C3 J3~~	0.157	0.500	1	05/02/2021 22:43	WG1662731
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 22:43	WG1662731
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 22:43	WG1662731
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 22:43	WG1662731
Carbon tetrachloride	U	UJ ~~J3~~	0.128	0.500	1	05/02/2021 22:43	WG1662731
Chlorobenzene	U		0.117	0.500	1	05/02/2021 22:43	WG1662731
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 22:43	WG1662731
Chloroethane	U		0.192	2.50	1	05/02/2021 22:43	WG1662731
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~05/02/2021 22:43~~	~~WG1662731~~ R
Chloroform	U		0.111	0.500	1	05/02/2021 22:43	WG1662731
Chloromethane	U	UJ ~~J3~~	0.960	1.25	1	05/02/2021 22:43	WG1662731
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 22:43	WG1662731
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 22:43	WG1662731
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 22:43	WG1662731
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 22:43	WG1662731
Dibromomethane	U		0.122	0.500	1	05/02/2021 22:43	WG1662731
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 22:43	WG1662731
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 22:43	WG1662731
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 22:43	WG1662731
Dichlorodifluoromethane	U	UJ ~~J3~~	0.374	2.50	1	05/02/2021 22:43	WG1662731
1,1-Dichloroethane	U		0.100	0.500	1	05/02/2021 22:43	WG1662731
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 22:43	WG1662731
1,1-Dichloroethene	U	~~C3 J3~~	0.188	0.500	1	05/02/2021 22:43	WG1662731
cis-1,2-Dichloroethene	U	UJ ~~J3~~	0.126	0.500	1	05/02/2021 22:43	WG1662731
trans-1,2-Dichloroethene	U	~~J3~~	0.149	0.500	1	05/02/2021 22:43	WG1662731
1,2-Dichloropropane	U		0.149	0.500	1	05/02/2021 22:43	WG1662731
1,1-Dichloropropene	U	UJ ~~J3~~	0.142	0.500	1	05/02/2021 22:43	WG1662731
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 22:43	WG1662731
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 22:43	WG1662731
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 22:43	WG1662731
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 22:43	WG1662731
2,2-Dichloropropane	U	UJ ~~J3~~	0.161	0.500	1	05/02/2021 22:43	WG1662731
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 22:43	WG1662731
Ethylbenzene	U	~~J3~~	0.137	0.500	1	05/02/2021 22:43	WG1662731
Hexachloro-1,3-butadiene	U	UJ ~~C3 J3~~	0.337	1.00	1	05/02/2021 22:43	WG1662731
2-Hexanone	U		0.787	5.00	1	05/02/2021 22:43	WG1662731
n-Hexane	U	UJ ~~J3~~	0.749	5.00	1	05/02/2021 22:43	WG1662731
Iodomethane	U		0.554	5.00	1	05/02/2021 22:43	WG1662731
Isopropylbenzene	U	UJ ~~J3~~	0.105	0.500	1	05/02/2021 22:43	WG1662731
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2021 22:43	WG1662731
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 22:43	WG1662731

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	05/02/2021 22:43	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 22:43	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 22:43	WG1662731
Naphthalene	U	UJ J3	0.174	2.50	1	05/02/2021 22:43	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 22:43	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 22:43	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 22:43	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 22:43	WG1662731
1,1,2-Trichlorotrifluoroethane	U	UJ C3 J3 J4	0.180	0.500	1	05/02/2021 22:43	WG1662731
Tetrachloroethene	U	C3 J3	0.300	0.500	1	05/02/2021 22:43	WG1662731
Toluene	U	C3 J3 J4	0.278	0.500	1	05/02/2021 22:43	WG1662731
1,2,3-Trichlorobenzene	U	C3 J3	0.164	0.500	1	05/02/2021 22:43	WG1662731
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	05/02/2021 22:43	WG1662731
1,1,1-Trichloroethane	U	J3	0.149	0.500	1	05/02/2021 22:43	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 22:43	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 22:43	WG1662731
Trichlorofluoromethane	U	UJ J3	0.160	2.50	1	05/02/2021 22:43	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 22:43	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 22:43	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 22:43	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 22:43	WG1662731
Vinyl acetate	U	J3	0.692	5.00	1	05/02/2021 22:43	WG1662731
Vinyl chloride	U	UJ J3	0.234	0.500	1	05/02/2021 22:43	WG1662731
Xylenes, Total	U	J3	0.174	1.50	1	05/02/2021 22:43	WG1662731
(S) Toluene-d8	*103*			*80.0-120*		*05/02/2021 22:43*	WG1662731
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/02/2021 22:43*	WG1662731
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*05/02/2021 22:43*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	05/04/2021 06:07	WG1662887
Atrazine	U		0.255	10.0	1	05/04/2021 06:07	WG1662887
Benzaldehyde	U		1.69	10.0	1	05/04/2021 06:07	WG1662887
Biphenyl	U		0.790	10.0	1	05/04/2021 06:07	WG1662887
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/04/2021 06:07	WG1662887
Bis(2-chloroethyl)ether	U		0.137	10.0	1	05/04/2021 06:07	WG1662887
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/04/2021 06:07	WG1662887
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/04/2021 06:07	WG1662887
Caprolactam	U		0.309	10.0	1	05/04/2021 06:07	WG1662887
Carbazole	U		0.111	10.0	1	05/04/2021 06:07	WG1662887
4-Chloroaniline	U		0.234	5.00	1	05/04/2021 06:07	WG1662887
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/04/2021 06:07	WG1662887
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/04/2021 06:07	WG1662887
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/04/2021 06:07	WG1662887
2,6-Dinitrotoluene	U		0.250	5.00	1	05/04/2021 06:07	WG1662887
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/04/2021 06:07	WG1662887
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/04/2021 06:07	WG1662887
Hexachloroethane	U		0.127	5.00	1	05/04/2021 06:07	WG1662887
Isophorone	U		0.143	10.0	1	05/04/2021 06:07	WG1662887
2-Nitroaniline	U		0.102	5.00	1	05/04/2021 06:07	WG1662887
3-Nitroaniline	U		0.0869	5.00	1	05/04/2021 06:07	WG1662887
4-Nitroaniline	U		0.0910	5.00	1	05/04/2021 06:07	WG1662887
Nitrobenzene	U		0.297	10.0	1	05/04/2021 06:07	WG1662887
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/04/2021 06:07	WG1662887
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/04/2021 06:07	WG1662887

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	05/04/2021 06:07	WG1662887
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/04/2021 06:07	WG1662887
Di-n-butyl phthalate	U		0.453	3.00	1	05/04/2021 06:07	WG1662887
Diethyl phthalate	U		0.287	3.00	1	05/04/2021 06:07	WG1662887
Dimethyl phthalate	U		0.260	3.00	1	05/04/2021 06:07	WG1662887
Di-n-octyl phthalate	U		0.932	3.00	1	05/04/2021 06:07	WG1662887
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/04/2021 06:07	WG1662887
4-Chloro-3-methylphenol	U		0.131	10.0	1	05/04/2021 06:07	WG1662887
2-Chlorophenol	U		0.133	1.00	1	05/04/2021 06:07	WG1662887
2-Methylphenol	U		0.0929	1.00	1	05/04/2021 06:07	WG1662887
3&4-Methyl Phenol	U		0.168	1.00	1	05/04/2021 06:07	WG1662887
2,4-Dichlorophenol	U		0.102	5.00	1	05/04/2021 06:07	WG1662887
2,4-Dimethylphenol	U		0.0636	10.0	1	05/04/2021 06:07	WG1662887
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/04/2021 06:07	WG1662887
2,4-Dinitrophenol	U		5.93	10.0	1	05/04/2021 06:07	WG1662887
2-Nitrophenol	U		0.117	1.00	1	05/04/2021 06:07	WG1662887
4-Nitrophenol	U		0.143	10.0	1	05/04/2021 06:07	WG1662887
Pentachlorophenol	U		0.313	1.00	1	05/04/2021 06:07	WG1662887
Phenol	U		4.33	10.0	1	05/04/2021 06:07	WG1662887
2,4,5-Trichlorophenol	U		0.109	10.0	1	05/04/2021 06:07	WG1662887
2,4,6-Trichlorophenol	U		0.100	10.0	1	05/04/2021 06:07	WG1662887
(S) 2-Fluorophenol	*66.7*			*10.0-120*		*05/04/2021 06:07*	WG1662887
(S) Phenol-d5	*44.8*			*10.0-120*		*05/04/2021 06:07*	WG1662887
(S) Nitrobenzene-d5	*102*			*10.0-127*		*05/04/2021 06:07*	WG1662887
(S) 2-Fluorobiphenyl	*102*			*10.0-130*		*05/04/2021 06:07*	WG1662887
(S) 2,4,6-Tribromophenol	*84.1*			*10.0-155*		*05/04/2021 06:07*	WG1662887
(S) p-Terphenyl-d14	*96.8*			*10.0-128*		*05/04/2021 06:07*	WG1662887

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/01/2021 03:28	WG1661791
Acenaphthene	U		0.0190	0.0500	1	05/01/2021 03:28	WG1661791
Acenaphthylene	U		0.0171	0.0500	1	05/01/2021 03:28	WG1661791
Benzo(a)anthracene	U		0.0203	0.0500	1	05/01/2021 03:28	WG1661791
Benzo(a)pyrene	U		0.0184	0.0500	1	05/01/2021 03:28	WG1661791
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/01/2021 03:28	WG1661791
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/01/2021 03:28	WG1661791
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/01/2021 03:28	WG1661791
Chrysene	U		0.0179	0.0500	1	05/01/2021 03:28	WG1661791
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/01/2021 03:28	WG1661791
Dibenzofuran	U		0.0191	0.0500	1	05/01/2021 03:28	WG1661791
Fluoranthene	U		0.0270	0.100	1	05/01/2021 03:28	WG1661791
Fluorene	U		0.0169	0.0500	1	05/01/2021 03:28	WG1661791
Hexachlorobenzene	U		0.00670	0.0500	1	05/01/2021 03:28	WG1661791
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/01/2021 03:28	WG1661791
Naphthalene	U		0.0917	0.250	1	05/01/2021 03:28	WG1661791
Phenanthrene	U		0.0180	0.0500	1	05/01/2021 03:28	WG1661791
Pyrene	U		0.0169	0.0500	1	05/01/2021 03:28	WG1661791
1-Methylnaphthalene	U		0.0687	0.250	1	05/01/2021 03:28	WG1661791
2-Methylnaphthalene	U		0.0674	0.250	1	05/01/2021 03:28	WG1661791
2-Chloronaphthalene	U		0.0682	0.250	1	05/01/2021 03:28	WG1661791
(S) Nitrobenzene-d5	*101*			*31.0-160*		*05/01/2021 03:28*	WG1661791
(S) 2-Fluorobiphenyl	*105*			*48.0-148*		*05/01/2021 03:28*	WG1661791
(S) p-Terphenyl-d14	*123*			*37.0-146*		*05/01/2021 03:28*	WG1661791

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 13:30	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 16:44	WG1662803	
Acetone	U		11.3	25.0	1	05/02/2021 17:07	WG1662731	
Acrylonitrile	U		0.671	5.00	1	05/02/2021 17:07	WG1662731	
Benzene	U		0.0941	0.500	1	05/02/2021 17:07	WG1662731	
Bromobenzene	U		0.118	0.500	1	05/02/2021 17:07	WG1662731	
Bromodichloromethane	U		0.136	0.500	1	05/02/2021 17:07	WG1662731	
Bromochloromethane	U		0.128	0.500	1	05/02/2021 17:07	WG1662731	
Bromoform	U		0.129	0.500	1	05/02/2021 17:07	WG1662731	
Bromomethane	U	J3	0.605	2.50	1	05/02/2021 17:07	WG1662731	
n-Butylbenzene	U	UJ C3 J3	0.157	0.500	1	05/02/2021 17:07	WG1662731	
sec-Butylbenzene	U		0.125	0.500	1	05/02/2021 17:07	WG1662731	
tert-Butylbenzene	U		0.127	0.500	1	05/02/2021 17:07	WG1662731	
Carbon disulfide	U		0.0962	0.500	1	05/02/2021 17:07	WG1662731	
Carbon tetrachloride	U	UJ J3	0.128	0.500	1	05/02/2021 17:07	WG1662731	
Chlorobenzene	U		0.117	0.500	1	05/02/2021 17:07	WG1662731	
Chlorodibromomethane	U		0.140	0.500	1	05/02/2021 17:07	WG1662731	
Chloroethane	U		0.192	2.50	1	05/02/2021 17:07	WG1662731	
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/02/2021 17:07	WG1662731	R
Chloroform	U		0.111	0.500	1	05/02/2021 17:07	WG1662731	
Chloromethane	U	UJ J3	0.960	1.25	1	05/02/2021 17:07	WG1662731	
2-Chlorotoluene	U		0.106	0.500	1	05/02/2021 17:07	WG1662731	
4-Chlorotoluene	U		0.114	0.500	1	05/02/2021 17:07	WG1662731	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/02/2021 17:07	WG1662731	
1,2-Dibromoethane	U		0.126	0.500	1	05/02/2021 17:07	WG1662731	
Dibromomethane	U		0.122	0.500	1	05/02/2021 17:07	WG1662731	
1,2-Dichlorobenzene	U		0.107	0.500	1	05/02/2021 17:07	WG1662731	
1,3-Dichlorobenzene	U		0.299	0.500	1	05/02/2021 17:07	WG1662731	
1,4-Dichlorobenzene	U		0.120	0.500	1	05/02/2021 17:07	WG1662731	
Dichlorodifluoromethane	U	UJ J3	0.374	2.50	1	05/02/2021 17:07	WG1662731	
1,1-Dichloroethane	U		0.100	0.500	1	05/02/2021 17:07	WG1662731	
1,2-Dichloroethane	U		0.0819	0.500	1	05/02/2021 17:07	WG1662731	
1,1-Dichloroethene	U	C3 J3	0.188	0.500	1	05/02/2021 17:07	WG1662731	
cis-1,2-Dichloroethene	U	UJ J3	0.126	0.500	1	05/02/2021 17:07	WG1662731	
trans-1,2-Dichloroethene	U	J3	0.149	0.500	1	05/02/2021 17:07	WG1662731	
1,2-Dichloropropane	U		0.149	0.500	1	05/02/2021 17:07	WG1662731	
1,1-Dichloropropene	U	UJ J3	0.142	0.500	1	05/02/2021 17:07	WG1662731	
1,3-Dichloropropane	U		0.109	1.00	1	05/02/2021 17:07	WG1662731	
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/02/2021 17:07	WG1662731	
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/02/2021 17:07	WG1662731	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	05/02/2021 17:07	WG1662731	
2,2-Dichloropropane	U	UJ J3	0.161	0.500	1	05/02/2021 17:07	WG1662731	
Di-isopropyl ether	U		0.105	0.500	1	05/02/2021 17:07	WG1662731	
Ethylbenzene	U	J3	0.137	0.500	1	05/02/2021 17:07	WG1662731	
Hexachloro-1,3-butadiene	U	UJ C3 J3	0.337	1.00	1	05/02/2021 17:07	WG1662731	
2-Hexanone	U		0.787	5.00	1	05/02/2021 17:07	WG1662731	
n-Hexane	U	UJ J3	0.749	5.00	1	05/02/2021 17:07	WG1662731	
Iodomethane	U		0.554	5.00	1	05/02/2021 17:07	WG1662731	
Isopropylbenzene	U	UJ J3	0.105	0.500	1	05/02/2021 17:07	WG1662731	
p-Isopropyltoluene	U		0.120	0.500	1	05/02/2021 17:07	WG1662731	
2-Butanone (MEK)	U		1.19	5.00	1	05/02/2021 17:07	WG1662731	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	05/02/2021 17:07	WG1662731
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/02/2021 17:07	WG1662731
Methyl tert-butyl ether	U		0.101	0.500	1	05/02/2021 17:07	WG1662731
Naphthalene	U	UJ J3	0.174	2.50	1	05/02/2021 17:07	WG1662731
n-Propylbenzene	U		0.0993	0.500	1	05/02/2021 17:07	WG1662731
Styrene	U		0.118	0.500	1	05/02/2021 17:07	WG1662731
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/02/2021 17:07	WG1662731
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/02/2021 17:07	WG1662731
1,1,2-Trichlorotrifluoroethane	U	UJ C3 J3 J4	0.180	0.500	1	05/02/2021 17:07	WG1662731
Tetrachloroethene	U	C3 J3	0.300	0.500	1	05/02/2021 17:07	WG1662731
Toluene	U	C3 J3 J4	0.278	0.500	1	05/02/2021 17:07	WG1662731
1,2,3-Trichlorobenzene	U	C3 J3	0.164	0.500	1	05/02/2021 17:07	WG1662731
1,2,4-Trichlorobenzene	U	C3 J3	0.481	1.00	1	05/02/2021 17:07	WG1662731
1,1,1-Trichloroethane	U	J3	0.149	0.500	1	05/02/2021 17:07	WG1662731
1,1,2-Trichloroethane	U		0.158	0.500	1	05/02/2021 17:07	WG1662731
Trichloroethene	U		0.190	0.500	1	05/02/2021 17:07	WG1662731
Trichlorofluoromethane	U	UJ J3	0.160	2.50	1	05/02/2021 17:07	WG1662731
1,2,3-Trichloropropane	U		0.237	2.50	1	05/02/2021 17:07	WG1662731
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/02/2021 17:07	WG1662731
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 17:07	WG1662731
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/02/2021 17:07	WG1662731
Vinyl acetate	U	J3	0.692	5.00	1	05/02/2021 17:07	WG1662731
Vinyl chloride	U	UJ J3	0.234	0.500	1	05/02/2021 17:07	WG1662731
Xylenes, Total	U	J3	0.174	1.50	1	05/02/2021 17:07	WG1662731
(S) Toluene-d8	*103*			*80.0-120*		*05/02/2021 17:07*	WG1662731
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*05/02/2021 17:07*	WG1662731
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*05/02/2021 17:07*	WG1662731

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	05/04/2021 06:28	WG1662887
Atrazine	U		0.255	10.0	1	05/04/2021 06:28	WG1662887
Benzaldehyde	U		1.69	10.0	1	05/04/2021 06:28	WG1662887
Biphenyl	U		0.790	10.0	1	05/04/2021 06:28	WG1662887
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/04/2021 06:28	WG1662887
Bis(2-chloroethyl)ether	U		0.137	10.0	1	05/04/2021 06:28	WG1662887
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/04/2021 06:28	WG1662887
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/04/2021 06:28	WG1662887
Caprolactam	U		0.309	10.0	1	05/04/2021 06:28	WG1662887
Carbazole	U		0.111	10.0	1	05/04/2021 06:28	WG1662887
4-Chloroaniline	U		0.234	5.00	1	05/04/2021 06:28	WG1662887
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/04/2021 06:28	WG1662887
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/04/2021 06:28	WG1662887
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/04/2021 06:28	WG1662887
2,6-Dinitrotoluene	U		0.250	5.00	1	05/04/2021 06:28	WG1662887
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/04/2021 06:28	WG1662887
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/04/2021 06:28	WG1662887
Hexachloroethane	U		0.127	5.00	1	05/04/2021 06:28	WG1662887
Isophorone	U		0.143	10.0	1	05/04/2021 06:28	WG1662887
2-Nitroaniline	U		0.102	5.00	1	05/04/2021 06:28	WG1662887
3-Nitroaniline	U		0.0869	5.00	1	05/04/2021 06:28	WG1662887
4-Nitroaniline	U		0.0910	5.00	1	05/04/2021 06:28	WG1662887
Nitrobenzene	U		0.297	10.0	1	05/04/2021 06:28	WG1662887
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/04/2021 06:28	WG1662887
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/04/2021 06:28	WG1662887

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	05/04/2021 06:28	WG1662887
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/04/2021 06:28	WG1662887
Di-n-butyl phthalate	U		0.453	3.00	1	05/04/2021 06:28	WG1662887
Diethyl phthalate	U		0.287	3.00	1	05/04/2021 06:28	WG1662887
Dimethyl phthalate	U		0.260	3.00	1	05/04/2021 06:28	WG1662887
Di-n-octyl phthalate	U		0.932	3.00	1	05/04/2021 06:28	WG1662887
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/04/2021 06:28	WG1662887
4-Chloro-3-methylphenol	U		0.131	10.0	1	05/04/2021 06:28	WG1662887
2-Chlorophenol	U		0.133	1.00	1	05/04/2021 06:28	WG1662887
2-Methylphenol	U		0.0929	1.00	1	05/04/2021 06:28	WG1662887
3&4-Methyl Phenol	U		0.168	1.00	1	05/04/2021 06:28	WG1662887
2,4-Dichlorophenol	U		0.102	5.00	1	05/04/2021 06:28	WG1662887
2,4-Dimethylphenol	U		0.0636	10.0	1	05/04/2021 06:28	WG1662887
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/04/2021 06:28	WG1662887
2,4-Dinitrophenol	U		5.93	10.0	1	05/04/2021 06:28	WG1662887
2-Nitrophenol	U		0.117	1.00	1	05/04/2021 06:28	WG1662887
4-Nitrophenol	U		0.143	10.0	1	05/04/2021 06:28	WG1662887
Pentachlorophenol	U		0.313	1.00	1	05/04/2021 06:28	WG1662887
Phenol	U		4.33	10.0	1	05/04/2021 06:28	WG1662887
2,4,5-Trichlorophenol	U		0.109	10.0	1	05/04/2021 06:28	WG1662887
2,4,6-Trichlorophenol	U		0.100	10.0	1	05/04/2021 06:28	WG1662887
(S) 2-Fluorophenol	*69.1*			*10.0-120*		*05/04/2021 06:28*	WG1662887
(S) Phenol-d5	*46.9*			*10.0-120*		*05/04/2021 06:28*	WG1662887
(S) Nitrobenzene-d5	*99.3*			*10.0-127*		*05/04/2021 06:28*	WG1662887
(S) 2-Fluorobiphenyl	*101*			*10.0-130*		*05/04/2021 06:28*	WG1662887
(S) 2,4,6-Tribromophenol	*76.3*			*10.0-155*		*05/04/2021 06:28*	WG1662887
(S) p-Terphenyl-d14	*99.0*			*10.0-128*		*05/04/2021 06:28*	WG1662887

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/01/2021 03:48	WG1661791
Acenaphthene	U		0.0190	0.0500	1	05/01/2021 03:48	WG1661791
Acenaphthylene	U		0.0171	0.0500	1	05/01/2021 03:48	WG1661791
Benzo(a)anthracene	U		0.0203	0.0500	1	05/01/2021 03:48	WG1661791
Benzo(a)pyrene	U		0.0184	0.0500	1	05/01/2021 03:48	WG1661791
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/01/2021 03:48	WG1661791
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/01/2021 03:48	WG1661791
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/01/2021 03:48	WG1661791
Chrysene	U		0.0179	0.0500	1	05/01/2021 03:48	WG1661791
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/01/2021 03:48	WG1661791
Dibenzofuran	U		0.0191	0.0500	1	05/01/2021 03:48	WG1661791
Fluoranthene	U		0.0270	0.100	1	05/01/2021 03:48	WG1661791
Fluorene	U		0.0169	0.0500	1	05/01/2021 03:48	WG1661791
Hexachlorobenzene	U		0.00670	0.0500	1	05/01/2021 03:48	WG1661791
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/01/2021 03:48	WG1661791
Naphthalene	U		0.0917	0.250	1	05/01/2021 03:48	WG1661791
Phenanthrene	U		0.0180	0.0500	1	05/01/2021 03:48	WG1661791
Pyrene	U		0.0169	0.0500	1	05/01/2021 03:48	WG1661791
1-Methylnaphthalene	U		0.0687	0.250	1	05/01/2021 03:48	WG1661791
2-Methylnaphthalene	U		0.0674	0.250	1	05/01/2021 03:48	WG1661791
2-Chloronaphthalene	U		0.0682	0.250	1	05/01/2021 03:48	WG1661791
(S) Nitrobenzene-d5	*105*			*31.0-160*		*05/01/2021 03:48*	WG1661791
(S) 2-Fluorobiphenyl	*106*			*48.0-148*		*05/01/2021 03:48*	WG1661791
(S) p-Terphenyl-d14	*131*			*37.0-146*		*05/01/2021 03:48*	WG1661791

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 13:33	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 17:08	WG1662803	
Acetone	U		11.3	25.0	1	05/03/2021 01:28	WG1663036	
Acrylonitrile	U		0.671	5.00	1	05/03/2021 01:28	WG1663036	
Benzene	U		0.0941	0.500	1	05/03/2021 01:28	WG1663036	
Bromobenzene	U		0.118	0.500	1	05/03/2021 01:28	WG1663036	
Bromodichloromethane	U		0.136	0.500	1	05/03/2021 01:28	WG1663036	
Bromochloromethane	U		0.128	0.500	1	05/03/2021 01:28	WG1663036	
Bromoform	U		0.129	0.500	1	05/03/2021 01:28	WG1663036	
Bromomethane	U		0.605	2.50	1	05/03/2021 01:28	WG1663036	
n-Butylbenzene	U		0.157	0.500	1	05/03/2021 01:28	WG1663036	
sec-Butylbenzene	U		0.125	0.500	1	05/03/2021 01:28	WG1663036	
tert-Butylbenzene	U		0.127	0.500	1	05/03/2021 01:28	WG1663036	
Carbon disulfide	U		0.0962	0.500	1	05/03/2021 01:28	WG1663036	
Carbon tetrachloride	U		0.128	0.500	1	05/03/2021 01:28	WG1663036	
Chlorobenzene	U		0.117	0.500	1	05/03/2021 01:28	WG1663036	
Chlorodibromomethane	U		0.140	0.500	1	05/03/2021 01:28	WG1663036	
Chloroethane	U		0.192	2.50	1	05/03/2021 01:28	WG1663036	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~05/03/2021 01:28~~	~~WG1663036~~	R
Chloroform	U		0.111	0.500	1	05/03/2021 01:28	WG1663036	
Chloromethane	U		0.960	1.25	1	05/03/2021 01:28	WG1663036	
2-Chlorotoluene	U		0.106	0.500	1	05/03/2021 01:28	WG1663036	
4-Chlorotoluene	U		0.114	0.500	1	05/03/2021 01:28	WG1663036	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/03/2021 01:28	WG1663036	
1,2-Dibromoethane	U		0.126	0.500	1	05/03/2021 01:28	WG1663036	
Dibromomethane	U	~~J4~~	0.122	0.500	1	05/03/2021 01:28	WG1663036	
1,2-Dichlorobenzene	U		0.107	0.500	1	05/03/2021 01:28	WG1663036	
1,3-Dichlorobenzene	U		0.299	0.500	1	05/03/2021 01:28	WG1663036	
1,4-Dichlorobenzene	U		0.120	0.500	1	05/03/2021 01:28	WG1663036	
Dichlorodifluoromethane	U		0.374	2.50	1	05/03/2021 01:28	WG1663036	
1,1-Dichloroethane	U		0.100	0.500	1	05/03/2021 01:28	WG1663036	
1,2-Dichloroethane	U		0.0819	0.500	1	05/03/2021 01:28	WG1663036	
1,1-Dichloroethene	U		0.188	0.500	1	05/03/2021 01:28	WG1663036	
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/03/2021 01:28	WG1663036	
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/03/2021 01:28	WG1663036	
1,2-Dichloropropane	U		0.149	0.500	1	05/03/2021 01:28	WG1663036	
1,1-Dichloropropene	U		0.142	0.500	1	05/03/2021 01:28	WG1663036	
1,3-Dichloropropane	U		0.109	1.00	1	05/03/2021 01:28	WG1663036	
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/03/2021 01:28	WG1663036	
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/03/2021 01:28	WG1663036	
trans-1,4-Dichloro-2-butene	U	~~C3~~	0.467	5.00	1	05/03/2021 01:28	WG1663036	
2,2-Dichloropropane	U		0.161	0.500	1	05/03/2021 01:28	WG1663036	
Di-isopropyl ether	U		0.105	0.500	1	05/03/2021 01:28	WG1663036	
Ethylbenzene	U		0.137	0.500	1	05/03/2021 01:28	WG1663036	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/03/2021 01:28	WG1663036	
2-Hexanone	U		0.787	5.00	1	05/03/2021 01:28	WG1663036	
n-Hexane	U	~~J4~~	0.749	5.00	1	05/03/2021 01:28	WG1663036	
Iodomethane	U		0.554	5.00	1	05/03/2021 01:28	WG1663036	
Isopropylbenzene	U		0.105	0.500	1	05/03/2021 01:28	WG1663036	
p-Isopropyltoluene	U		0.120	0.500	1	05/03/2021 01:28	WG1663036	
2-Butanone (MEK)	U		1.19	5.00	1	05/03/2021 01:28	WG1663036	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	05/03/2021 01:28	WG1663036
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/03/2021 01:28	WG1663036
Methyl tert-butyl ether	U		0.101	0.500	1	05/03/2021 01:28	WG1663036
Naphthalene	U		0.174	2.50	1	05/03/2021 01:28	WG1663036
n-Propylbenzene	U		0.0993	0.500	1	05/03/2021 01:28	WG1663036
Styrene	U		0.118	0.500	1	05/03/2021 01:28	WG1663036
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/03/2021 01:28	WG1663036
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/03/2021 01:28	WG1663036
1,1,2-Trichlorotrifluoroethane	U	UJ	0.180	0.500	1	05/03/2021 01:28	WG1663036
Tetrachloroethene	U		0.300	0.500	1	05/03/2021 01:28	WG1663036
Toluene	U	UJ	0.278	0.500	1	05/03/2021 01:28	WG1663036
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2021 01:28	WG1663036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/03/2021 01:28	WG1663036
1,1,1-Trichloroethane	U		0.149	0.500	1	05/03/2021 01:28	WG1663036
1,1,2-Trichloroethane	U		0.158	0.500	1	05/03/2021 01:28	WG1663036
Trichloroethene	U		0.190	0.500	1	05/03/2021 01:28	WG1663036
Trichlorofluoromethane	U		0.160	2.50	1	05/03/2021 01:28	WG1663036
1,2,3-Trichloropropane	U		0.237	2.50	1	05/03/2021 01:28	WG1663036
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/03/2021 01:28	WG1663036
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 01:28	WG1663036
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 01:28	WG1663036
Vinyl acetate	U		0.692	5.00	1	05/03/2021 01:28	WG1663036
Vinyl chloride	U		0.234	0.500	1	05/03/2021 01:28	WG1663036
Xylenes, Total	U		0.174	1.50	1	05/03/2021 01:28	WG1663036
(S) Toluene-d8	*103*			*80.0-120*		*05/03/2021 01:28*	WG1663036
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*05/03/2021 01:28*	WG1663036
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*05/03/2021 01:28*	WG1663036

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	05/03/2021 18:21	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 18:21	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 04:18	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 18:21	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 18:21	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 18:21	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 18:21	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 18:21	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 18:21	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 18:21	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 18:21	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 18:21	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 18:21	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 18:21	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 18:21	WG1663049
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 18:21	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 18:21	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 18:21	WG1663049
Isophorone	U		0.143	10.0	1	05/03/2021 18:21	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 18:21	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 18:21	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 18:21	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 18:21	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 18:21	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 18:21	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 18:21	WG1663049
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 18:21	WG1663049
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 18:21	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 18:21	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 18:21	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 18:21	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 18:21	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 18:21	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 18:21	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 18:21	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 18:21	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 18:21	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 18:21	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 18:21	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 18:21	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 18:21	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 18:21	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 18:21	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 18:21	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 18:21	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 18:21	WG1663049
(S) 2-Fluorophenol	*58.5*			*10.0-120*		*05/03/2021 18:21*	WG1663049
(S) 2-Fluorophenol	*63.0*			*10.0-120*		*05/04/2021 04:18*	WG1663049
(S) Phenol-d5	*41.8*			*10.0-120*		*05/04/2021 04:18*	WG1663049
(S) Phenol-d5	*40.1*			*10.0-120*		*05/03/2021 18:21*	WG1663049
(S) Nitrobenzene-d5	*82.7*			*10.0-127*		*05/03/2021 18:21*	WG1663049
(S) Nitrobenzene-d5	*99.5*			*10.0-127*		*05/04/2021 04:18*	WG1663049
(S) 2-Fluorobiphenyl	*102*			*10.0-130*		*05/04/2021 04:18*	WG1663049
(S) 2-Fluorobiphenyl	*97.9*			*10.0-130*		*05/03/2021 18:21*	WG1663049
(S) 2,4,6-Tribromophenol	*110*			*10.0-155*		*05/03/2021 18:21*	WG1663049
(S) 2,4,6-Tribromophenol	*68.5*			*10.0-155*		*05/04/2021 04:18*	WG1663049
(S) p-Terphenyl-d14	*101*			*10.0-128*		*05/04/2021 04:18*	WG1663049
(S) p-Terphenyl-d14	*89.3*			*10.0-128*		*05/03/2021 18:21*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	05/03/2021 23:28	WG1662886
Acenaphthene	U		0.0190	0.0500	1	05/03/2021 23:28	WG1662886
Acenaphthylene	U		0.0171	0.0500	1	05/03/2021 23:28	WG1662886
Benzo(a)anthracene	U		0.0203	0.0500	1	05/03/2021 23:28	WG1662886
Benzo(a)pyrene	U		0.0184	0.0500	1	05/03/2021 23:28	WG1662886
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/03/2021 23:28	WG1662886
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/03/2021 23:28	WG1662886
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/03/2021 23:28	WG1662886
Chrysene	U		0.0179	0.0500	1	05/03/2021 23:28	WG1662886
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/03/2021 23:28	WG1662886
Dibenzofuran	U		0.0191	0.0500	1	05/03/2021 23:28	WG1662886
Fluoranthene	U		0.0270	0.100	1	05/03/2021 23:28	WG1662886
Fluorene	U		0.0169	0.0500	1	05/03/2021 23:28	WG1662886
Hexachlorobenzene	U		0.00670	0.0500	1	05/03/2021 23:28	WG1662886
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/03/2021 23:28	WG1662886
Naphthalene	U		0.0917	0.250	1	05/03/2021 23:28	WG1662886
Phenanthrene	U		0.0180	0.0500	1	05/03/2021 23:28	WG1662886
Pyrene	U		0.0169	0.0500	1	05/03/2021 23:28	WG1662886
1-Methylnaphthalene	U		0.0687	0.250	1	05/03/2021 23:28	WG1662886

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/03/2021 23:28	WG1662886
2-Chloronaphthalene	U		0.0682	0.250	1	05/03/2021 23:28	WG1662886
(S) Nitrobenzene-d5	*103*			*31.0-160*		*05/03/2021 23:28*	WG1662886
(S) 2-Fluorobiphenyl	*87.4*			*48.0-148*		*05/03/2021 23:28*	WG1662886
(S) p-Terphenyl-d14	*99.5*			*37.0-146*		*05/03/2021 23:28*	WG1662886

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	05/14/2021 13:37	WG1668033

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	05/02/2021 17:31	WG1662803	
Acetone	U		11.3	25.0	1	05/03/2021 01:47	WG1663036	
Acrylonitrile	U		0.671	5.00	1	05/03/2021 01:47	WG1663036	
Benzene	U		0.0941	0.500	1	05/03/2021 01:47	WG1663036	
Bromobenzene	U		0.118	0.500	1	05/03/2021 01:47	WG1663036	
Bromodichloromethane	U		0.136	0.500	1	05/03/2021 01:47	WG1663036	
Bromochloromethane	U		0.128	0.500	1	05/03/2021 01:47	WG1663036	
Bromoform	U		0.129	0.500	1	05/03/2021 01:47	WG1663036	
Bromomethane	U		0.605	2.50	1	05/03/2021 01:47	WG1663036	
n-Butylbenzene	U		0.157	0.500	1	05/03/2021 01:47	WG1663036	
sec-Butylbenzene	U		0.125	0.500	1	05/03/2021 01:47	WG1663036	
tert-Butylbenzene	U		0.127	0.500	1	05/03/2021 01:47	WG1663036	
Carbon disulfide	U		0.0962	0.500	1	05/03/2021 01:47	WG1663036	
Carbon tetrachloride	U		0.128	0.500	1	05/03/2021 01:47	WG1663036	
Chlorobenzene	U		0.117	0.500	1	05/03/2021 01:47	WG1663036	
Chlorodibromomethane	U		0.140	0.500	1	05/03/2021 01:47	WG1663036	
Chloroethane	U		0.192	2.50	1	05/03/2021 01:47	WG1663036	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~05/03/2021 01:47~~	~~WG1663036~~	R
Chloroform	U		0.111	0.500	1	05/03/2021 01:47	WG1663036	
Chloromethane	U		0.960	1.25	1	05/03/2021 01:47	WG1663036	
2-Chlorotoluene	U		0.106	0.500	1	05/03/2021 01:47	WG1663036	
4-Chlorotoluene	U		0.114	0.500	1	05/03/2021 01:47	WG1663036	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/03/2021 01:47	WG1663036	
1,2-Dibromoethane	U		0.126	0.500	1	05/03/2021 01:47	WG1663036	
Dibromomethane	U	~~J4~~	0.122	0.500	1	05/03/2021 01:47	WG1663036	
1,2-Dichlorobenzene	U		0.107	0.500	1	05/03/2021 01:47	WG1663036	
1,3-Dichlorobenzene	U		0.299	0.500	1	05/03/2021 01:47	WG1663036	
1,4-Dichlorobenzene	U		0.120	0.500	1	05/03/2021 01:47	WG1663036	
Dichlorodifluoromethane	U		0.374	2.50	1	05/03/2021 01:47	WG1663036	
1,1-Dichloroethane	U		0.100	0.500	1	05/03/2021 01:47	WG1663036	
1,2-Dichloroethane	U		0.0819	0.500	1	05/03/2021 01:47	WG1663036	
1,1-Dichloroethene	U		0.188	0.500	1	05/03/2021 01:47	WG1663036	
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/03/2021 01:47	WG1663036	
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/03/2021 01:47	WG1663036	
1,2-Dichloropropane	U		0.149	0.500	1	05/03/2021 01:47	WG1663036	
1,1-Dichloropropene	U		0.142	0.500	1	05/03/2021 01:47	WG1663036	
1,3-Dichloropropane	U		0.109	1.00	1	05/03/2021 01:47	WG1663036	
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/03/2021 01:47	WG1663036	
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/03/2021 01:47	WG1663036	
trans-1,4-Dichloro-2-butene	U	~~C3~~	0.467	5.00	1	05/03/2021 01:47	WG1663036	
2,2-Dichloropropane	U		0.161	0.500	1	05/03/2021 01:47	WG1663036	
Di-isopropyl ether	U		0.105	0.500	1	05/03/2021 01:47	WG1663036	
Ethylbenzene	U		0.137	0.500	1	05/03/2021 01:47	WG1663036	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/03/2021 01:47	WG1663036	
2-Hexanone	U		0.787	5.00	1	05/03/2021 01:47	WG1663036	
n-Hexane	U	~~J4~~	0.749	5.00	1	05/03/2021 01:47	WG1663036	
Iodomethane	U		0.554	5.00	1	05/03/2021 01:47	WG1663036	
Isopropylbenzene	U		0.105	0.500	1	05/03/2021 01:47	WG1663036	
p-Isopropyltoluene	U		0.120	0.500	1	05/03/2021 01:47	WG1663036	
2-Butanone (MEK)	U		1.19	5.00	1	05/03/2021 01:47	WG1663036	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	05/03/2021 01:47	WG1663036
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/03/2021 01:47	WG1663036
Methyl tert-butyl ether	U		0.101	0.500	1	05/03/2021 01:47	WG1663036
Naphthalene	U		0.174	2.50	1	05/03/2021 01:47	WG1663036
n-Propylbenzene	U		0.0993	0.500	1	05/03/2021 01:47	WG1663036
Styrene	U		0.118	0.500	1	05/03/2021 01:47	WG1663036
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/03/2021 01:47	WG1663036
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/03/2021 01:47	WG1663036
1,1,2-Trichlorotrifluoroethane	U	UJ	0.180	0.500	1	05/03/2021 01:47	WG1663036
Tetrachloroethene	U		0.300	0.500	1	05/03/2021 01:47	WG1663036
Toluene	U	UJ	0.278	0.500	1	05/03/2021 01:47	WG1663036
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2021 01:47	WG1663036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/03/2021 01:47	WG1663036
1,1,1-Trichloroethane	U		0.149	0.500	1	05/03/2021 01:47	WG1663036
1,1,2-Trichloroethane	U		0.158	0.500	1	05/03/2021 01:47	WG1663036
Trichloroethene	U		0.190	0.500	1	05/03/2021 01:47	WG1663036
Trichlorofluoromethane	U		0.160	2.50	1	05/03/2021 01:47	WG1663036
1,2,3-Trichloropropane	U		0.237	2.50	1	05/03/2021 01:47	WG1663036
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/03/2021 01:47	WG1663036
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 01:47	WG1663036
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 01:47	WG1663036
Vinyl acetate	U		0.692	5.00	1	05/03/2021 01:47	WG1663036
Vinyl chloride	U		0.234	0.500	1	05/03/2021 01:47	WG1663036
Xylenes, Total	U		0.174	1.50	1	05/03/2021 01:47	WG1663036
(S) Toluene-d8	*103*			*80.0-120*		*05/03/2021 01:47*	WG1663036
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*05/03/2021 01:47*	WG1663036
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*05/03/2021 01:47*	WG1663036

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	05/03/2021 18:43	WG1663049
Atrazine	U		0.255	10.0	1	05/03/2021 18:43	WG1663049
Benzaldehyde	U		1.69	10.0	1	05/04/2021 04:40	WG1663049
Biphenyl	U		0.790	10.0	1	05/03/2021 18:43	WG1663049
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	05/03/2021 18:43	WG1663049
Bis(2-chloroethyl)ether	U		0.137	1.00	1	05/03/2021 18:43	WG1663049
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	05/03/2021 18:43	WG1663049
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/03/2021 18:43	WG1663049
Caprolactam	U		0.309	10.0	1	05/03/2021 18:43	WG1663049
Carbazole	U		0.111	10.0	1	05/03/2021 18:43	WG1663049
4-Chloroaniline	U		0.234	5.00	1	05/03/2021 18:43	WG1663049
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/03/2021 18:43	WG1663049
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/03/2021 18:43	WG1663049
2,4-Dinitrotoluene	U		0.0983	5.00	1	05/03/2021 18:43	WG1663049
2,6-Dinitrotoluene	U		0.250	5.00	1	05/03/2021 18:43	WG1663049
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	05/03/2021 18:43	WG1663049
Hexachlorocyclopentadiene	U		0.0598	5.00	1	05/03/2021 18:43	WG1663049
Hexachloroethane	U		0.127	5.00	1	05/03/2021 18:43	WG1663049
Isophorone	U		0.143	10.0	1	05/03/2021 18:43	WG1663049
2-Nitroaniline	U		0.102	5.00	1	05/03/2021 18:43	WG1663049
3-Nitroaniline	U		0.0869	5.00	1	05/03/2021 18:43	WG1663049
4-Nitroaniline	U		0.0910	5.00	1	05/03/2021 18:43	WG1663049
Nitrobenzene	U		0.297	10.0	1	05/03/2021 18:43	WG1663049
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/03/2021 18:43	WG1663049
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/03/2021 18:43	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	05/03/2021 18:43	WG1663049
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/03/2021 18:43	WG1663049
Di-n-butyl phthalate	U		0.453	3.00	1	05/03/2021 18:43	WG1663049
Diethyl phthalate	U		0.287	3.00	1	05/03/2021 18:43	WG1663049
Dimethyl phthalate	U		0.260	3.00	1	05/03/2021 18:43	WG1663049
Di-n-octyl phthalate	U		0.932	3.00	1	05/03/2021 18:43	WG1663049
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/03/2021 18:43	WG1663049
4-Chloro-3-methylphenol	U		0.131	1.00	1	05/03/2021 18:43	WG1663049
2-Chlorophenol	U		0.133	1.00	1	05/03/2021 18:43	WG1663049
2-Methylphenol	U		0.0929	1.00	1	05/03/2021 18:43	WG1663049
3&4-Methyl Phenol	U		0.168	1.00	1	05/03/2021 18:43	WG1663049
2,4-Dichlorophenol	U		0.102	5.00	1	05/03/2021 18:43	WG1663049
2,4-Dimethylphenol	U		0.0636	10.0	1	05/03/2021 18:43	WG1663049
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/03/2021 18:43	WG1663049
2,4-Dinitrophenol	U		5.93	10.0	1	05/03/2021 18:43	WG1663049
2-Nitrophenol	U		0.117	1.00	1	05/03/2021 18:43	WG1663049
4-Nitrophenol	U		0.143	10.0	1	05/03/2021 18:43	WG1663049
Pentachlorophenol	U		0.313	1.00	1	05/03/2021 18:43	WG1663049
Phenol	U		4.33	10.0	1	05/03/2021 18:43	WG1663049
2,4,5-Trichlorophenol	U		0.109	1.00	1	05/03/2021 18:43	WG1663049
2,4,6-Trichlorophenol	U		0.100	1.00	1	05/03/2021 18:43	WG1663049
(S) 2-Fluorophenol	*51.0*			*10.0-120*		*05/03/2021 18:43*	WG1663049
(S) 2-Fluorophenol	*55.0*			*10.0-120*		*05/04/2021 04:40*	WG1663049
(S) Phenol-d5	*35.1*			*10.0-120*		*05/04/2021 04:40*	WG1663049
(S) Phenol-d5	*33.5*			*10.0-120*		*05/03/2021 18:43*	WG1663049
(S) Nitrobenzene-d5	*93.4*			*10.0-127*		*05/04/2021 04:40*	WG1663049
(S) Nitrobenzene-d5	*78.9*			*10.0-127*		*05/03/2021 18:43*	WG1663049
(S) 2-Fluorobiphenyl	*94.5*			*10.0-130*		*05/04/2021 04:40*	WG1663049
(S) 2-Fluorobiphenyl	*91.1*			*10.0-130*		*05/03/2021 18:43*	WG1663049
(S) 2,4,6-Tribromophenol	*68.5*			*10.0-155*		*05/04/2021 04:40*	WG1663049
(S) 2,4,6-Tribromophenol	*102*			*10.0-155*		*05/03/2021 18:43*	WG1663049
(S) p-Terphenyl-d14	*83.7*			*10.0-128*		*05/03/2021 18:43*	WG1663049
(S) p-Terphenyl-d14	*94.7*			*10.0-128*		*05/04/2021 04:40*	WG1663049

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/04/2021 10:16	WG1663668
Acenaphthene	U		0.0190	0.0500	1	05/04/2021 10:16	WG1663668
Acenaphthylene	U		0.0171	0.0500	1	05/04/2021 10:16	WG1663668
Benzo(a)anthracene	U		0.0203	0.0500	1	05/04/2021 10:16	WG1663668
Benzo(a)pyrene	U		0.0184	0.0500	1	05/04/2021 10:16	WG1663668
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/04/2021 10:16	WG1663668
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/04/2021 10:16	WG1663668
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/04/2021 10:16	WG1663668
Chrysene	U		0.0179	0.0500	1	05/04/2021 10:16	WG1663668
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/04/2021 10:16	WG1663668
Dibenzofuran	U		0.0191	0.0500	1	05/04/2021 10:16	WG1663668
Fluoranthene	U		0.0270	0.100	1	05/04/2021 10:16	WG1663668
Fluorene	U		0.0169	0.0500	1	05/04/2021 10:16	WG1663668
Hexachlorobenzene	U		0.00670	0.0500	1	05/04/2021 10:16	WG1663668
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/04/2021 10:16	WG1663668
Naphthalene	U		0.0917	0.250	1	05/04/2021 10:16	WG1663668
Phenanthrene	U		0.0180	0.0500	1	05/04/2021 10:16	WG1663668
Pyrene	U		0.0169	0.0500	1	05/04/2021 10:16	WG1663668
1-Methylnaphthalene	U		0.0687	0.250	1	05/04/2021 10:16	WG1663668

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	05/04/2021 10:16	WG1663668
2-Chloronaphthalene	U		0.0682	0.250	1	05/04/2021 10:16	WG1663668
(S) Nitrobenzene-d5	*100*			*31.0-160*		*05/04/2021 10:16*	WG1663668
(S) 2-Fluorobiphenyl	*113*			*48.0-148*		*05/04/2021 10:16*	WG1663668
(S) p-Terphenyl-d14	*139*			*37.0-146*		*05/04/2021 10:16*	WG1663668

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		11.3	25.0	1	05/03/2021 02:06	WG1663036	
Acrylonitrile	U		0.671	5.00	1	05/03/2021 02:06	WG1663036	
Benzene	U		0.0941	0.500	1	05/03/2021 02:06	WG1663036	
Bromobenzene	U		0.118	0.500	1	05/03/2021 02:06	WG1663036	
Bromodichloromethane	U		0.136	0.500	1	05/03/2021 02:06	WG1663036	
Bromochloromethane	U		0.128	0.500	1	05/03/2021 02:06	WG1663036	
Bromoform	U		0.129	0.500	1	05/03/2021 02:06	WG1663036	
Bromomethane	U		0.605	2.50	1	05/03/2021 02:06	WG1663036	
n-Butylbenzene	U		0.157	0.500	1	05/03/2021 02:06	WG1663036	
sec-Butylbenzene	U		0.125	0.500	1	05/03/2021 02:06	WG1663036	
tert-Butylbenzene	U		0.127	0.500	1	05/03/2021 02:06	WG1663036	
Carbon disulfide	U		0.0962	0.500	1	05/03/2021 02:06	WG1663036	
Carbon tetrachloride	U		0.128	0.500	1	05/03/2021 02:06	WG1663036	
Chlorobenzene	U		0.117	0.500	1	05/03/2021 02:06	WG1663036	
Chlorodibromomethane	U		0.140	0.500	1	05/03/2021 02:06	WG1663036	
Chloroethane	U		0.192	2.50	1	05/03/2021 02:06	WG1663036	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~05/03/2021 02:06~~	~~WG1663036~~	R
Chloroform	U		0.111	0.500	1	05/03/2021 02:06	WG1663036	
Chloromethane	U		0.960	1.25	1	05/03/2021 02:06	WG1663036	
2-Chlorotoluene	U		0.106	0.500	1	05/03/2021 02:06	WG1663036	
4-Chlorotoluene	U		0.114	0.500	1	05/03/2021 02:06	WG1663036	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/03/2021 02:06	WG1663036	
1,2-Dibromoethane	U		0.126	0.500	1	05/03/2021 02:06	WG1663036	
Dibromomethane	U	~~J4~~	0.122	0.500	1	05/03/2021 02:06	WG1663036	
1,2-Dichlorobenzene	U		0.107	0.500	1	05/03/2021 02:06	WG1663036	
1,3-Dichlorobenzene	U		0.299	0.500	1	05/03/2021 02:06	WG1663036	
1,4-Dichlorobenzene	U		0.120	0.500	1	05/03/2021 02:06	WG1663036	
Dichlorodifluoromethane	U		0.374	2.50	1	05/03/2021 02:06	WG1663036	
1,1-Dichloroethane	U		0.100	0.500	1	05/03/2021 02:06	WG1663036	
1,2-Dichloroethane	U		0.0819	0.500	1	05/03/2021 02:06	WG1663036	
1,1-Dichloroethene	U		0.188	0.500	1	05/03/2021 02:06	WG1663036	
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/03/2021 02:06	WG1663036	
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/03/2021 02:06	WG1663036	
1,2-Dichloropropane	U		0.149	0.500	1	05/03/2021 02:06	WG1663036	
1,1-Dichloropropene	U		0.142	0.500	1	05/03/2021 02:06	WG1663036	
1,3-Dichloropropane	U		0.109	1.00	1	05/03/2021 02:06	WG1663036	
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/03/2021 02:06	WG1663036	
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/03/2021 02:06	WG1663036	
trans-1,4-Dichloro-2-butene	U	~~C3~~	0.467	5.00	1	05/03/2021 02:06	WG1663036	
2,2-Dichloropropane	U		0.161	0.500	1	05/03/2021 02:06	WG1663036	
Di-isopropyl ether	U		0.105	0.500	1	05/03/2021 02:06	WG1663036	
Ethylbenzene	U		0.137	0.500	1	05/03/2021 02:06	WG1663036	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/03/2021 02:06	WG1663036	
2-Hexanone	U		0.787	5.00	1	05/03/2021 02:06	WG1663036	
n-Hexane	U	~~J4~~	0.749	5.00	1	05/03/2021 02:06	WG1663036	
Iodomethane	U		0.554	5.00	1	05/03/2021 02:06	WG1663036	
Isopropylbenzene	U		0.105	0.500	1	05/03/2021 02:06	WG1663036	
p-Isopropyltoluene	U		0.120	0.500	1	05/03/2021 02:06	WG1663036	
2-Butanone (MEK)	U		1.19	5.00	1	05/03/2021 02:06	WG1663036	
Methylene Chloride	U		0.430	2.50	1	05/03/2021 02:06	WG1663036	
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/03/2021 02:06	WG1663036	
Methyl tert-butyl ether	U		0.101	0.500	1	05/03/2021 02:06	WG1663036	
Naphthalene	U		0.174	2.50	1	05/03/2021 02:06	WG1663036	
n-Propylbenzene	U		0.0993	0.500	1	05/03/2021 02:06	WG1663036	
Styrene	U		0.118	0.500	1	05/03/2021 02:06	WG1663036	
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/03/2021 02:06	WG1663036	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/03/2021 02:06	WG1663036
1,1,2-Trichlorotrifluoroethane	U	UJ	0.180	0.500	1	05/03/2021 02:06	WG1663036
Tetrachloroethene	U		0.300	0.500	1	05/03/2021 02:06	WG1663036
Toluene	U	UJ	0.278	0.500	1	05/03/2021 02:06	WG1663036
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2021 02:06	WG1663036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/03/2021 02:06	WG1663036
1,1,1-Trichloroethane	U		0.149	0.500	1	05/03/2021 02:06	WG1663036
1,1,2-Trichloroethane	U		0.158	0.500	1	05/03/2021 02:06	WG1663036
Trichloroethene	U		0.190	0.500	1	05/03/2021 02:06	WG1663036
Trichlorofluoromethane	U		0.160	2.50	1	05/03/2021 02:06	WG1663036
1,2,3-Trichloropropane	U		0.237	2.50	1	05/03/2021 02:06	WG1663036
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/03/2021 02:06	WG1663036
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 02:06	WG1663036
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 02:06	WG1663036
Vinyl acetate	U		0.692	5.00	1	05/03/2021 02:06	WG1663036
Vinyl chloride	U		0.234	0.500	1	05/03/2021 02:06	WG1663036
Xylenes, Total	U		0.174	1.50	1	05/03/2021 02:06	WG1663036
(S) Toluene-d8	*101*			*80.0-120*		*05/03/2021 02:06*	WG1663036
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/03/2021 02:06*	WG1663036
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*05/03/2021 02:06*	WG1663036

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		11.3	25.0	1	05/03/2021 02:26	WG1663036	
Acrylonitrile	U		0.671	5.00	1	05/03/2021 02:26	WG1663036	
Benzene	U		0.0941	0.500	1	05/03/2021 02:26	WG1663036	
Bromobenzene	U		0.118	0.500	1	05/03/2021 02:26	WG1663036	
Bromodichloromethane	U		0.136	0.500	1	05/03/2021 02:26	WG1663036	
Bromochloromethane	U		0.128	0.500	1	05/03/2021 02:26	WG1663036	
Bromoform	U		0.129	0.500	1	05/03/2021 02:26	WG1663036	
Bromomethane	U		0.605	2.50	1	05/03/2021 02:26	WG1663036	
n-Butylbenzene	U		0.157	0.500	1	05/03/2021 02:26	WG1663036	
sec-Butylbenzene	U		0.125	0.500	1	05/03/2021 02:26	WG1663036	
tert-Butylbenzene	U		0.127	0.500	1	05/03/2021 02:26	WG1663036	
Carbon disulfide	U		0.0962	0.500	1	05/03/2021 02:26	WG1663036	
Carbon tetrachloride	U		0.128	0.500	1	05/03/2021 02:26	WG1663036	
Chlorobenzene	U		0.117	0.500	1	05/03/2021 02:26	WG1663036	
Chlorodibromomethane	U		0.140	0.500	1	05/03/2021 02:26	WG1663036	
Chloroethane	U		0.192	2.50	1	05/03/2021 02:26	WG1663036	
2-Chloroethyl vinyl ether	U		0.575	50.0	1	05/03/2021 02:26	WG1663036	R
Chloroform	U		0.111	0.500	1	05/03/2021 02:26	WG1663036	
Chloromethane	U		0.960	1.25	1	05/03/2021 02:26	WG1663036	
2-Chlorotoluene	U		0.106	0.500	1	05/03/2021 02:26	WG1663036	
4-Chlorotoluene	U		0.114	0.500	1	05/03/2021 02:26	WG1663036	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/03/2021 02:26	WG1663036	
1,2-Dibromoethane	U		0.126	0.500	1	05/03/2021 02:26	WG1663036	
Dibromomethane	U	J4	0.122	0.500	1	05/03/2021 02:26	WG1663036	
1,2-Dichlorobenzene	U		0.107	0.500	1	05/03/2021 02:26	WG1663036	
1,3-Dichlorobenzene	U		0.299	0.500	1	05/03/2021 02:26	WG1663036	
1,4-Dichlorobenzene	U		0.120	0.500	1	05/03/2021 02:26	WG1663036	
Dichlorodifluoromethane	U		0.374	2.50	1	05/03/2021 02:26	WG1663036	
1,1-Dichloroethane	U		0.100	0.500	1	05/03/2021 02:26	WG1663036	
1,2-Dichloroethane	U		0.0819	0.500	1	05/03/2021 02:26	WG1663036	
1,1-Dichloroethene	U		0.188	0.500	1	05/03/2021 02:26	WG1663036	
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/03/2021 02:26	WG1663036	
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/03/2021 02:26	WG1663036	
1,2-Dichloropropane	U		0.149	0.500	1	05/03/2021 02:26	WG1663036	
1,1-Dichloropropene	U		0.142	0.500	1	05/03/2021 02:26	WG1663036	
1,3-Dichloropropane	U		0.109	1.00	1	05/03/2021 02:26	WG1663036	
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/03/2021 02:26	WG1663036	
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/03/2021 02:26	WG1663036	
trans-1,4-Dichloro-2-butene	U	C3	0.467	5.00	1	05/03/2021 02:26	WG1663036	
2,2-Dichloropropane	U		0.161	0.500	1	05/03/2021 02:26	WG1663036	
Di-isopropyl ether	U		0.105	0.500	1	05/03/2021 02:26	WG1663036	
Ethylbenzene	U		0.137	0.500	1	05/03/2021 02:26	WG1663036	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/03/2021 02:26	WG1663036	
2-Hexanone	U		0.787	5.00	1	05/03/2021 02:26	WG1663036	
n-Hexane	U	J4	0.749	5.00	1	05/03/2021 02:26	WG1663036	
Iodomethane	U		0.554	5.00	1	05/03/2021 02:26	WG1663036	
Isopropylbenzene	U		0.105	0.500	1	05/03/2021 02:26	WG1663036	
p-Isopropyltoluene	U		0.120	0.500	1	05/03/2021 02:26	WG1663036	
2-Butanone (MEK)	U		1.19	5.00	1	05/03/2021 02:26	WG1663036	
Methylene Chloride	U		0.430	2.50	1	05/03/2021 02:26	WG1663036	
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/03/2021 02:26	WG1663036	
Methyl tert-butyl ether	U		0.101	0.500	1	05/03/2021 02:26	WG1663036	
Naphthalene	U		0.174	2.50	1	05/03/2021 02:26	WG1663036	
n-Propylbenzene	U		0.0993	0.500	1	05/03/2021 02:26	WG1663036	
Styrene	U		0.118	0.500	1	05/03/2021 02:26	WG1663036	
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/03/2021 02:26	WG1663036	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/03/2021 02:26	WG1663036
1,1,2-Trichlorotrifluoroethane	U	UJ	0.180	0.500	1	05/03/2021 02:26	WG1663036
Tetrachloroethene	U		0.300	0.500	1	05/03/2021 02:26	WG1663036
Toluene	U	UJ	0.278	0.500	1	05/03/2021 02:26	WG1663036
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2021 02:26	WG1663036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/03/2021 02:26	WG1663036
1,1,1-Trichloroethane	U		0.149	0.500	1	05/03/2021 02:26	WG1663036
1,1,2-Trichloroethane	U		0.158	0.500	1	05/03/2021 02:26	WG1663036
Trichloroethene	U		0.190	0.500	1	05/03/2021 02:26	WG1663036
Trichlorofluoromethane	U		0.160	2.50	1	05/03/2021 02:26	WG1663036
1,2,3-Trichloropropane	U		0.237	2.50	1	05/03/2021 02:26	WG1663036
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/03/2021 02:26	WG1663036
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 02:26	WG1663036
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 02:26	WG1663036
Vinyl acetate	U		0.692	5.00	1	05/03/2021 02:26	WG1663036
Vinyl chloride	U		0.234	0.500	1	05/03/2021 02:26	WG1663036
Xylenes, Total	U		0.174	1.50	1	05/03/2021 02:26	WG1663036
(S) Toluene-d8	*103*			*80.0-120*		*05/03/2021 02:26*	WG1663036
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*05/03/2021 02:26*	WG1663036
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*05/03/2021 02:26*	WG1663036

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		11.3	25.0	1	05/03/2021 02:45	WG1663036	
Acrylonitrile	U		0.671	5.00	1	05/03/2021 02:45	WG1663036	
Benzene	U		0.0941	0.500	1	05/03/2021 02:45	WG1663036	
Bromobenzene	U		0.118	0.500	1	05/03/2021 02:45	WG1663036	
Bromodichloromethane	U		0.136	0.500	1	05/03/2021 02:45	WG1663036	
Bromochloromethane	U		0.128	0.500	1	05/03/2021 02:45	WG1663036	
Bromoform	U		0.129	0.500	1	05/03/2021 02:45	WG1663036	
Bromomethane	U		0.605	2.50	1	05/03/2021 02:45	WG1663036	
n-Butylbenzene	U		0.157	0.500	1	05/03/2021 02:45	WG1663036	
sec-Butylbenzene	U		0.125	0.500	1	05/03/2021 02:45	WG1663036	
tert-Butylbenzene	U		0.127	0.500	1	05/03/2021 02:45	WG1663036	
Carbon disulfide	U		0.0962	0.500	1	05/03/2021 02:45	WG1663036	
Carbon tetrachloride	U		0.128	0.500	1	05/03/2021 02:45	WG1663036	
Chlorobenzene	U		0.117	0.500	1	05/03/2021 02:45	WG1663036	
Chlorodibromomethane	U		0.140	0.500	1	05/03/2021 02:45	WG1663036	
Chloroethane	U		0.192	2.50	1	05/03/2021 02:45	WG1663036	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~05/03/2021 02:45~~	~~WG1663036~~	R
Chloroform	U		0.111	0.500	1	05/03/2021 02:45	WG1663036	
Chloromethane	U		0.960	1.25	1	05/03/2021 02:45	WG1663036	
2-Chlorotoluene	U		0.106	0.500	1	05/03/2021 02:45	WG1663036	
4-Chlorotoluene	U		0.114	0.500	1	05/03/2021 02:45	WG1663036	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	05/03/2021 02:45	WG1663036	
1,2-Dibromoethane	U		0.126	0.500	1	05/03/2021 02:45	WG1663036	
Dibromomethane	U	~~J4~~	0.122	0.500	1	05/03/2021 02:45	WG1663036	
1,2-Dichlorobenzene	U		0.107	0.500	1	05/03/2021 02:45	WG1663036	
1,3-Dichlorobenzene	U		0.299	0.500	1	05/03/2021 02:45	WG1663036	
1,4-Dichlorobenzene	U		0.120	0.500	1	05/03/2021 02:45	WG1663036	
Dichlorodifluoromethane	U		0.374	2.50	1	05/03/2021 02:45	WG1663036	
1,1-Dichloroethane	U		0.100	0.500	1	05/03/2021 02:45	WG1663036	
1,2-Dichloroethane	U		0.0819	0.500	1	05/03/2021 02:45	WG1663036	
1,1-Dichloroethene	U		0.188	0.500	1	05/03/2021 02:45	WG1663036	
cis-1,2-Dichloroethene	U		0.126	0.500	1	05/03/2021 02:45	WG1663036	
trans-1,2-Dichloroethene	U		0.149	0.500	1	05/03/2021 02:45	WG1663036	
1,2-Dichloropropane	U		0.149	0.500	1	05/03/2021 02:45	WG1663036	
1,1-Dichloropropene	U		0.142	0.500	1	05/03/2021 02:45	WG1663036	
1,3-Dichloropropane	U		0.109	1.00	1	05/03/2021 02:45	WG1663036	
cis-1,3-Dichloropropene	U		0.111	0.500	1	05/03/2021 02:45	WG1663036	
trans-1,3-Dichloropropene	U		0.118	0.500	1	05/03/2021 02:45	WG1663036	
trans-1,4-Dichloro-2-butene	U	~~C3~~	0.467	5.00	1	05/03/2021 02:45	WG1663036	
2,2-Dichloropropane	U		0.161	0.500	1	05/03/2021 02:45	WG1663036	
Di-isopropyl ether	U		0.105	0.500	1	05/03/2021 02:45	WG1663036	
Ethylbenzene	U		0.137	0.500	1	05/03/2021 02:45	WG1663036	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	05/03/2021 02:45	WG1663036	
2-Hexanone	U		0.787	5.00	1	05/03/2021 02:45	WG1663036	
n-Hexane	U	~~J4~~	0.749	5.00	1	05/03/2021 02:45	WG1663036	
Iodomethane	U		0.554	5.00	1	05/03/2021 02:45	WG1663036	
Isopropylbenzene	U		0.105	0.500	1	05/03/2021 02:45	WG1663036	
p-Isopropyltoluene	U		0.120	0.500	1	05/03/2021 02:45	WG1663036	
2-Butanone (MEK)	U		1.19	5.00	1	05/03/2021 02:45	WG1663036	
Methylene Chloride	U		0.430	2.50	1	05/03/2021 02:45	WG1663036	
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	05/03/2021 02:45	WG1663036	
Methyl tert-butyl ether	U		0.101	0.500	1	05/03/2021 02:45	WG1663036	
Naphthalene	U		0.174	2.50	1	05/03/2021 02:45	WG1663036	
n-Propylbenzene	U		0.0993	0.500	1	05/03/2021 02:45	WG1663036	
Styrene	U		0.118	0.500	1	05/03/2021 02:45	WG1663036	
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	05/03/2021 02:45	WG1663036	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	05/03/2021 02:45	WG1663036
1,1,2-Trichlorotrifluoroethane	U	UJ	0.180	0.500	1	05/03/2021 02:45	WG1663036
Tetrachloroethene	U		0.300	0.500	1	05/03/2021 02:45	WG1663036
Toluene	U	UJ	0.278	0.500	1	05/03/2021 02:45	WG1663036
1,2,3-Trichlorobenzene	U		0.164	0.500	1	05/03/2021 02:45	WG1663036
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/03/2021 02:45	WG1663036
1,1,1-Trichloroethane	U		0.149	0.500	1	05/03/2021 02:45	WG1663036
1,1,2-Trichloroethane	U		0.158	0.500	1	05/03/2021 02:45	WG1663036
Trichloroethene	U		0.190	0.500	1	05/03/2021 02:45	WG1663036
Trichlorofluoromethane	U		0.160	2.50	1	05/03/2021 02:45	WG1663036
1,2,3-Trichloropropane	U		0.237	2.50	1	05/03/2021 02:45	WG1663036
1,2,4-Trimethylbenzene	U		0.322	0.500	1	05/03/2021 02:45	WG1663036
1,2,3-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 02:45	WG1663036
1,3,5-Trimethylbenzene	U		0.104	0.500	1	05/03/2021 02:45	WG1663036
Vinyl acetate	U		0.692	5.00	1	05/03/2021 02:45	WG1663036
Vinyl chloride	U		0.234	0.500	1	05/03/2021 02:45	WG1663036
Xylenes, Total	U		0.174	1.50	1	05/03/2021 02:45	WG1663036
(S) Toluene-d8	*103*			*80.0-120*		*05/03/2021 02:45*	WG1663036
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*05/03/2021 02:45*	WG1663036
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*05/03/2021 02:45*	WG1663036

Former Chevron Texaco Research Centre

Data Usability Summary Report

Beacon, New York

Volatile Organic Compound (VOC), Semi Volatile Organic Compound (SVOC) and Metals

SDG # L1415922

Analyses Performed By:
Pace Analytical, Lebanon Rd
Tennessee

Report #43463R
Review Level: Tier III
Project: 30064362.19.61

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Groups (SDGs) # L1415922 for samples collected in association with the Former Chevron Texaco Research center in Beacon, New York. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis		
					VOC	SVOC	MET
TF-23-W-211008	L1415922-01	Water	10/08/2021		X	X	X
TF-5-W-211008	L1415922-02	Water	10/08/2021		X	X	X
EB-W-211008	L1415922-04	Water	10/08/2021		X	X	X
TB-W-211008	L1415922-05	Water	10/08/2021		X		

Notes:
VOC = Volatile Organic Compound
SVOC = Semi Volatile Organic Compound
MET = Metals

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limitss		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed chain-of-custody form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data package completeness and compliance		X		X	

Note:
QA = quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260C, 8270D by Selected Ion Monitoring (SIM), and USEPA method 537 Modified. Data were reviewed in accordance with the USEPA Region II validation guidelines *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B* (SOP #HW-24, October 2006); USEPA National Functional Guidelines NFG for Organic Superfund Methods Data Review, EPA-540-R-20-005 (November 2020), with reference to the historical (USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999, as appropriate).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
  - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
  - E The compound was quantitated above the calibration range.
  - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
  - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
  - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
  - UB Compound is considered non-detect at the listed value due to associated blank contamination.
  - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
  - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R"

values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8260C	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units

Note: The target compound 2-chloroethyl vinyl ether degrades in the presence of acid used to preserve the aqueous samples. Therefore, all sample results for 2-chloroethyl vinyl ether have been qualified as rejected.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable, and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample ID	Initial/Continuing	Compound	Criteria
TB-W-211008	ICV %D	naphthalene	21.40%
		trans-1,4-dichloro-2-butene	87.70%
TB-W-211008 TF-23-W-211008 TF-5-W-211008 EB-W-211008	ICV %D	1,2-dichloropropane	34.10%
		1,3-dichloropropane	21.10%
		2-hexanone	61.70%
		acrylonitrile	21.80%
		chloroethane	37.50%
		dichlorodifluoromethane	21.20%
		trans-1,4-dichloro-2-butene	36.40%
		vinyl acetate	36.70%
		vinyl chloride	42.40%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 15% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD >90%	Non-detect	R
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

Note:

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketones, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was not performed on any of the samples from this SDG.

8. Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the accuracy and precision of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

Sample locations associated with LCS/LCSD analysis exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Compounds	LCS Recovery	LCSD Recovery
TF-23-W-211008 TF-5-W-211008 EB-W-211008 TB-W-211008	1,2-dichloropropane	>UL	>UL
	1,3-dichloropropane	>UL	AC
	2-hexanone	>UL	>UL

The criteria used to evaluate the LCS recoveries are presented in the following table. In the case of an LCS/LCSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action

Control Limit	Sample Result	Qualification
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Field duplicate sample was not collected from this SDG.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
C. Trip blanks		X		X	
Laboratory Control Sample (LCS)		X	X		
Laboratory Control Sample Duplicate(LCSD)		X	X		
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS)	X				X
Matrix Spike Duplicate(MSD)	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)	X				X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X	X		
Continuing calibration RRFs		X		X	

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Semivolatile Organic Compound (SVOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8270D-SIM	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. SVOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

Surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the SVOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was not performed on any of the samples from this SDG.

8. Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the accuracy and precision of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits.

Sample locations associated with LCS/LCSD recoveries exhibiting an RPD greater than of the control limit presented in the following table.

Sample Locations	Compound
TF-23-W-211008 TF-5-W-211008 EB-W-211008	2,4-Dinitrophenol

The criteria used to evaluate the RPD between the LCS/LCSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Field duplicate sample was not collected from any of the samples from this SDG.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for SVOCs

SVOCs: SW-846 8270D-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
C. Trip blanks	X				X
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)		X		X	
LCS/LCSD Precision (RPD)		X	X		
Matrix Spike (MS)	X				X
Matrix Spike Duplicate(MSD)	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)	X				X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	

SVOCs: SW-846 8270D-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
D. Reconstructed ion chromatograms		X		X	
E. Quantitation Reports		X		X	
F. RT of sample compounds within the established RT windows		X		X	
G. Transcription/calculation errors present		X		X	
H. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Inorganic Analysis Introduction

Analyses were performed according to Standard Method 6020A. Data were reviewed in accordance with the USEPA National Functional Guidelines NFG for Inorganic Superfund Methods Data Review, EPA-540-R-20-006 (November 2020), with reference to the historical (USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, OSWER 9240.1-05A-P, October 2004, as appropriate).and associated USEPA Region II guidelines.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
  - J The reported value was obtained from a reading less than the reporting limit (RL), but greater than or equal to the method detection limit (MDL).
- Quantitation (Q) Qualifiers
  - E The reported value is estimated due to the presence of interference.
  - N Spiked sample recovery is not within control limits.
  - * Duplicate analysis is not within control limits.
- Validation Qualifiers
  - J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The analyte was not detected above the reporting limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
  - UB Analyte considered non-detect at the listed value due to associated blank contamination.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Metals Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 6020A	Water	180 days from collection to analysis	Preserved to a pH of less than 2.

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning (SW-846 6020 analysis only)

The %RSD of the absolute signals for all analytes in the tuning solution must be less than 5% for each analyte and the instrument mass resolution must be within 0.1 amu over manufacturer ‘s specifications the range of 6-210 amu.

Mass spectrometer performance and system performance was acceptable.

4. Calibration

Satisfactory instrument calibration is established to provide that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument’s continuing performance is satisfactory.

4.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

All initial and continuing calibration verification standard recoveries were within the control limit.

4.2 ICP Interference Control Sample (ICS)

The ICS verifies the laboratories interelement and background correction factors.

All ICS exhibited recoveries within the control limits.

5. Internal Standard Performance (SW-846 6020 analysis only)

Internal standard performance criteria ensure that the ICP/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard analytes associated with the metals must exhibit a percent recovery within the established acceptance limits of 60% to 125%

All internal standard responses were within control limits.

6. Matrix Spike (MS)/Matrix Spike Duplicate (MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

6.1 MS/MSD Analysis

All metal analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

MS/MSD analysis was not performed on any of the samples from this SDG.

6.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices and 35% for soil matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one time the RL is applied for water matrices and two times the RL for soil matrices.

Laboratory duplicate analysis was not performed on any of the samples from this SDG.

7. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices and 50% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Field duplicate sample was not collected from any of the samples from this SDG.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

9. Serial Dilution

The serial dilution analysis is used to assess if a significant physical or chemical interference exists due to sample matrix. Analytes exhibiting concentrations greater than 50 times the MDL in the undiluted sample are evaluated to determine if matrix interference exists. These analytes are required to have less than a 10% difference (%D) between sample results from the undiluted (parent) sample and results associated with the same sample analyzed with a five-fold dilution.

The serial dilution analysis was not performed on any of the samples from this SDG.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Metals

METALS; SW-846 6020A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP-AES) Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) Atomic Absorption – Manual Cold Vapor (CV)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks		X		X	
B. Method Blanks		X		X	
C. Equipment/Field Blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Matrix Spike (MS) %R	X				X
Matrix Spike Duplicate (MSD) %R	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)	X				X
ICP Serial Dilution %D	X				X
Total vs. Dissolved	X				X
Reporting Limit Verification		X		X	
Tier III Validation					
Initial Calibration Verification		X		X	
Continuing Calibration Verification		X		X	
LLQC Standard Recovery		X		X	
ICP Interference Check		X		X	
ICP-MS Internal Standards		X		X	

METALS; SW-846 6020A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Transcription/calculations acceptable		X		X	
Raw Data		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%R Percent recovery
RPD Relative percent difference

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]			Noncompliance
					VOC	SVOC	MET	
L1415922	10/08/2021	SM524M 6020A SW8270D	TF-23-W-211008	Water	Yes	Yes	No	VOC –LCS/LCSD %R exceedance and ICV %D exceedance SVOC-LCS/LCSD RPD exceedance
	10/08/2021	SM524M 6020A SW8270D	TF-5-W-211008	Water	Yes	Yes	No	VOC –LCS/LCSD %R exceedance and ICV %D exceedance SVOC-LCS/LCSD RPD exceedance
	10/08/2021	SM524M 6020A SW8270D	EB-W-211008	Water	No	Yes	--	VOC –LCS/LCSD %R exceedance and ICV %D exceedance SVOC-LCS/LCSD RPD exceedance
	10/08/2021	SM524M	TB-W-211008	Water	No	Yes	Yes	VOC –LCS/LCSD %R exceedance and ICV %D exceedance SVOC-LCS/LCSD RPD exceedance

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

Abbreviations

-- = not applicable
% = percent
%D = percent difference
CCV = continuing calibration verification
ICV = initial calibration verification
IS = internal standard

LCS = laboratory control sample
LCSD = laboratory control sample duplicate
LLQC = lower limit of quantitation check
MS = matrix spike
MSD = matrix spike duplicate
RPD = relative percent difference

VALIDATION PERFORMED BY: Bhagyashree Fulzele

SIGNATURE: 

DATE: November 17, 2021

PEER REVIEW: Dennis Capria

DATE: November 23, 2021

Chain of Custody Corrected Sample Analysis Data Sheets

Company Name/Address:
Arcadis - Chevron - NY

50 Millstone Rd.
Bldg 200, Suite 220
East Windsor. NJ 08520

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Pres Chk

Report to: **Ryan Merrell**

Email To: ed.meyer@arcadis.com;christopher.laprus@arc

Project Description: **Pod 4 - Beacon PMG00037**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **609-860-0590**

Client Project # **30064362.19.45**

Lab Project # **CHEVARCNY-BEACON**

Collected by (print): Kirk Vargo / Shannon Torhan

Site/Facility ID # **PMG00037**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace Analytical®

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1415922

G219

Tat

Acctnum: **CHEVARCNY**

Template: **T166593**

Prelogin: **P878273**

PM: 526 - Chris McCord

PB: 10/4/21 JOD

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270DIOXANE 100ml Amb-NoPres	8270TCLD 100ml Amb NoPres	DBCP - V524LL 40mlAmb HCl	PAHSIMLVID 40mlAmb-NoPres-WT	PBDG - Lab filter 250mlHDPE-NoPres	V8260LLC 40mlAmb-HCl	V8260LLC-TripBlank 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
OS-2-W-2110___		GW				11		X	X	X	X	X			
OS-3-W-2110___		GW				11		X	X	X	X	X			
OR-2-W-2110___		GW				11		X	X	X	X	X			
OR-3-W-2110___		GW				11		X	X	X	X	X			
DB-17-W-2110___		GW				13	X	X	X	X	X	X			
DB-8A-W-2110___		GW				13	X	X	X	X	X	X			
DC-2-W-2110___		GW				11		X	X	X	X	X			
DC-1-W-2110___		GW				11		X	X	X	X	X			
TF-23-W-2110[0]5	Grab	GW		10/8/21	0840	11		X	X	X	X	X			-01
TF-5-W-2110[0]3	Grab	GW		10/8/21	0910	11		X	X	X	X	X			02

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 5318 9950 7888

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by : (Signature)	10/8/21	1110	Received by: (Signature)	Trip Blank Received: Yes / No (HCl / MeoH) TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.1 °C Bottles Received: 44
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/9/21 Time: 930

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Arcadis - Chevron - NY

50 Millstone Rd.
Bldg 200, Suite 220
East Windsor. NJ 08520

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Pres Chk

Report to: **Ryan Merrell**

Email To: ed.meyer@arcadis.com;christopher.laprus@arc

Project Description: **Pod 4 - Beacon PMG00037**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **609-860-0590**

Client Project # **30064362.19.45**

Lab Project # **CHEVARCNY-BEACON**

Collected by (print): Kirk Watson / Shannon

Site/Facility ID # **PMG00037**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace Analytical®

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG #

Table #

Acctnum: **CHEVARCNY**

Template: **T166593**

Prelogin: **P878273**

PM: **526 - Chris McCord**

PB: 10/4/21

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270DIOXANE 100ml Amb-NoPres	8270TCLD 100ml Amb NoPres	DBCP - V524LL 40mlAmb HCl	PAHSIMLVID 40mlAmb-NoPres-WT	PBDG - Lab filter 250mlHDPE-NoPres	V8260LLC 40mlAmb-HCl	V8260LLC-TripBlank 40mlAmb-HCl-Blk				Remarks	Sample # (lab only)
		GW				11		X	X	X	X	X						
BD-W-2110___		GW				11		X	X	X	X	X						
FB-W-2110<u>05</u>	Grab	GW		10/8/21	10:00	11		X	X	X	X	X						-03
FB-W-2110___		GW				11		X	X	X	X	X						
FB-W-2110___		GW				11		X	X	X	X	X						
QA-MS-W-2110___		GW				11		X	X	X	X	X						
QA-MSD-W-2110___		GW				11		X	X	X	X	X						
EB-W-2110<u>08</u>	Grab	GW		10/8/21	0800	11		X	X	X	X	X						04
TB-W-2110<u>01</u>	Grab	GW		10/8/21	—	1							X					05
TB-W-2110___		GW				1							X					

Immediately Packed on Ice N ___ Y ✓

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	10/8/21	1110			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.1+0=1.1 °C Bottles Received: 44	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/9/21 Time: 930	Hold: Condition: NCF / OK

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 13:05	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		11.3	25.0	1	10/19/2021 03:13	WG1759195	
Acrylonitrile	U	UJ	0.671	5.00	1	10/19/2021 03:13	WG1759195	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/18/2021 14:21	WG1758715	
Benzene	U		0.0941	0.500	1	10/19/2021 03:13	WG1759195	
Bromobenzene	U		0.118	0.500	1	10/19/2021 03:13	WG1759195	
Bromodichloromethane	U		0.136	0.500	1	10/19/2021 03:13	WG1759195	
Bromochloromethane	U		0.128	0.500	1	10/19/2021 03:13	WG1759195	
Bromoform	U		0.129	0.500	1	10/19/2021 03:13	WG1759195	
Bromomethane	U		0.605	2.50	1	10/19/2021 03:13	WG1759195	
n-Butylbenzene	U		0.157	0.500	1	10/19/2021 03:13	WG1759195	
sec-Butylbenzene	U		0.125	0.500	1	10/19/2021 03:13	WG1759195	
tert-Butylbenzene	U		0.127	0.500	1	10/19/2021 03:13	WG1759195	
Carbon disulfide	U		0.0962	0.500	1	10/19/2021 03:13	WG1759195	
Carbon tetrachloride	U		0.128	0.500	1	10/19/2021 03:13	WG1759195	
Chlorobenzene	U		0.117	0.500	1	10/19/2021 03:13	WG1759195	
Chlorodibromomethane	U		0.140	0.500	1	10/19/2021 03:13	WG1759195	
Chloroethane	U	UJ	0.192	2.50	1	10/19/2021 03:13	WG1759195	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/19/2021 03:13~~	~~WG1759195~~	R
Chloroform	U		0.111	0.500	1	10/19/2021 03:13	WG1759195	
Chloromethane	U		0.960	1.25	1	10/19/2021 03:13	WG1759195	
2-Chlorotoluene	U		0.106	0.500	1	10/19/2021 03:13	WG1759195	
4-Chlorotoluene	U		0.114	0.500	1	10/19/2021 03:13	WG1759195	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/19/2021 03:13	WG1759195	
1,2-Dibromoethane	U		0.126	0.500	1	10/19/2021 03:13	WG1759195	
Dibromomethane	U		0.122	0.500	1	10/19/2021 03:13	WG1759195	
1,2-Dichlorobenzene	U		0.107	0.500	1	10/19/2021 03:13	WG1759195	
1,3-Dichlorobenzene	U		0.299	0.500	1	10/19/2021 03:13	WG1759195	
1,4-Dichlorobenzene	U		0.120	0.500	1	10/19/2021 03:13	WG1759195	
Dichlorodifluoromethane	U	UJ ~~C3~~	0.374	2.50	1	10/19/2021 03:13	WG1759195	
1,1-Dichloroethane	U		0.100	0.500	1	10/19/2021 03:13	WG1759195	
1,2-Dichloroethane	U		0.0819	0.500	1	10/19/2021 03:13	WG1759195	
1,1-Dichloroethene	U		0.188	0.500	1	10/19/2021 03:13	WG1759195	
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/19/2021 03:13	WG1759195	
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/19/2021 03:13	WG1759195	
1,2-Dichloropropane	U	UJ ~~J4~~	0.149	0.500	1	10/19/2021 03:13	WG1759195	
1,1-Dichloropropene	U		0.142	0.500	1	10/19/2021 03:13	WG1759195	
1,3-Dichloropropane	U	UJ ~~J4~~	0.109	1.00	1	10/19/2021 03:13	WG1759195	
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/19/2021 03:13	WG1759195	
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/19/2021 03:13	WG1759195	
trans-1,4-Dichloro-2-butene	U	UJ ~~C3~~	0.467	5.00	1	10/19/2021 03:13	WG1759195	
2,2-Dichloropropane	U		0.161	0.500	1	10/19/2021 03:13	WG1759195	
Di-isopropyl ether	U		0.105	0.500	1	10/19/2021 03:13	WG1759195	
Ethylbenzene	U		0.137	0.500	1	10/19/2021 03:13	WG1759195	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/19/2021 03:13	WG1759195	
2-Hexanone	U	UJ ~~J4~~	0.787	5.00	1	10/19/2021 03:13	WG1759195	
n-Hexane	U		0.749	5.00	1	10/19/2021 03:13	WG1759195	
Iodomethane	U		0.554	5.00	1	10/19/2021 03:13	WG1759195	
Isopropylbenzene	U		0.105	0.500	1	10/19/2021 03:13	WG1759195	
p-Isopropyltoluene	U		0.120	0.500	1	10/19/2021 03:13	WG1759195	
2-Butanone (MEK)	U		1.19	5.00	1	10/19/2021 03:13	WG1759195	

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/19/2021 03:13	WG1759195
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/19/2021 03:13	WG1759195
Methyl tert-butyl ether	U		0.101	0.500	1	10/19/2021 03:13	WG1759195
Naphthalene	U		0.174	2.50	1	10/19/2021 03:13	WG1759195
n-Propylbenzene	U		0.0993	0.500	1	10/19/2021 03:13	WG1759195
Styrene	U		0.118	0.500	1	10/19/2021 03:13	WG1759195
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/19/2021 03:13	WG1759195
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/19/2021 03:13	WG1759195
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/19/2021 03:13	WG1759195
Tetrachloroethene	U		0.300	0.500	1	10/19/2021 03:13	WG1759195
Toluene	U		0.278	0.500	1	10/19/2021 03:13	WG1759195
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/19/2021 03:13	WG1759195
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/19/2021 03:13	WG1759195
1,1,1-Trichloroethane	U		0.149	0.500	1	10/19/2021 03:13	WG1759195
1,1,2-Trichloroethane	U		0.158	0.500	1	10/19/2021 03:13	WG1759195
Trichloroethene	U		0.190	0.500	1	10/19/2021 03:13	WG1759195
Trichlorofluoromethane	U		0.160	2.50	1	10/19/2021 03:13	WG1759195
1,2,3-Trichloropropane	U		0.237	2.50	1	10/19/2021 03:13	WG1759195
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/19/2021 03:13	WG1759195
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/19/2021 03:13	WG1759195
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/19/2021 03:13	WG1759195
Vinyl acetate	U	UJ C3	0.692	5.00	1	10/19/2021 03:13	WG1759195
Vinyl chloride	U	UJ	0.234	0.500	1	10/19/2021 03:13	WG1759195
Xylenes, Total	U		0.174	1.50	1	10/19/2021 03:13	WG1759195
(S) Toluene-d8	*114*			*80.0-120*		*10/19/2021 03:13*	WG1759195
(S) 4-Bromofluorobenzene	*97.3*			*77.0-126*		*10/19/2021 03:13*	WG1759195
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*10/19/2021 03:13*	WG1759195

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/16/2021 04:13	WG1756481
Atrazine	U		0.255	10.0	1	10/16/2021 04:13	WG1756481
Benzaldehyde	U		1.69	10.0	1	10/16/2021 04:13	WG1756481
Biphenyl	U		0.790	10.0	1	10/16/2021 04:13	WG1756481
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/16/2021 04:13	WG1756481
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/16/2021 04:13	WG1756481
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/16/2021 04:13	WG1756481
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/16/2021 04:13	WG1756481
Caprolactam	U		0.309	10.0	1	10/16/2021 04:13	WG1756481
Carbazole	U		0.111	10.0	1	10/16/2021 04:13	WG1756481
4-Chloroaniline	U		0.234	5.00	1	10/16/2021 04:13	WG1756481
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/16/2021 04:13	WG1756481
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/16/2021 04:13	WG1756481
2,4-Dinitrotoluene	U		0.0983	10.0	1	10/16/2021 04:13	WG1756481
2,6-Dinitrotoluene	U		0.250	5.00	1	10/16/2021 04:13	WG1756481
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/16/2021 04:13	WG1756481
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/16/2021 04:13	WG1756481
Hexachloroethane	U		0.127	5.00	1	10/16/2021 04:13	WG1756481
Isophorone	U		0.143	10.0	1	10/16/2021 04:13	WG1756481
2-Nitroaniline	U		0.102	10.0	1	10/16/2021 04:13	WG1756481
3-Nitroaniline	U		0.0869	5.00	1	10/16/2021 04:13	WG1756481
4-Nitroaniline	U		0.0910	10.0	1	10/16/2021 04:13	WG1756481
Nitrobenzene	U		0.297	10.0	1	10/16/2021 04:13	WG1756481
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/16/2021 04:13	WG1756481
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/16/2021 04:13	WG1756481

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/16/2021 04:13	WG1756481
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/16/2021 04:13	WG1756481
Di-n-butyl phthalate	U		0.453	3.00	1	10/16/2021 04:13	WG1756481
Diethyl phthalate	U		0.287	3.00	1	10/16/2021 04:13	WG1756481
Dimethyl phthalate	U		0.260	3.00	1	10/16/2021 04:13	WG1756481
Di-n-octyl phthalate	U		0.932	3.00	1	10/16/2021 04:13	WG1756481
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/16/2021 04:13	WG1756481
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/16/2021 04:13	WG1756481
2-Chlorophenol	U		0.133	1.00	1	10/16/2021 04:13	WG1756481
2-Methylphenol	U		0.0929	1.00	1	10/16/2021 04:13	WG1756481
3&4-Methyl Phenol	U		0.168	1.00	1	10/16/2021 04:13	WG1756481
2,4-Dichlorophenol	U		0.102	5.00	1	10/16/2021 04:13	WG1756481
2,4-Dimethylphenol	U		0.0636	10.0	1	10/16/2021 04:13	WG1756481
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/16/2021 04:13	WG1756481
2,4-Dinitrophenol	U	UJ J3	5.93	10.0	1	10/16/2021 04:13	WG1756481
2-Nitrophenol	U		0.117	10.0	1	10/16/2021 04:13	WG1756481
4-Nitrophenol	U		0.143	10.0	1	10/16/2021 04:13	WG1756481
Pentachlorophenol	U		0.313	1.00	1	10/16/2021 04:13	WG1756481
Phenol	U		4.33	10.0	1	10/16/2021 04:13	WG1756481
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/16/2021 04:13	WG1756481
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/16/2021 04:13	WG1756481
(S) 2-Fluorophenol	*16.2*			*10.0-120*		*10/16/2021 04:13*	WG1756481
(S) Phenol-d5	*11.3*			*10.0-120*		*10/16/2021 04:13*	WG1756481
(S) Nitrobenzene-d5	*39.5*			*10.0-127*		*10/16/2021 04:13*	WG1756481
(S) 2-Fluorobiphenyl	*50.0*			*10.0-130*		*10/16/2021 04:13*	WG1756481
(S) 2,4,6-Tribromophenol	*29.5*			*10.0-155*		*10/16/2021 04:13*	WG1756481
(S) p-Terphenyl-d14	*37.0*			*10.0-128*		*10/16/2021 04:13*	WG1756481

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/14/2021 19:39	WG1756466
Acenaphthene	U		0.0190	0.0500	1	10/14/2021 19:39	WG1756466
Acenaphthylene	U		0.0171	0.0500	1	10/14/2021 19:39	WG1756466
Benzo(a)anthracene	U		0.0203	0.0500	1	10/14/2021 19:39	WG1756466
Benzo(a)pyrene	U		0.0184	0.0500	1	10/14/2021 19:39	WG1756466
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/14/2021 19:39	WG1756466
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/14/2021 19:39	WG1756466
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/14/2021 19:39	WG1756466
Chrysene	U		0.0179	0.0500	1	10/14/2021 19:39	WG1756466
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/14/2021 19:39	WG1756466
Dibenzofuran	U		0.0191	0.0500	1	10/14/2021 19:39	WG1756466
Fluoranthene	U		0.0270	0.100	1	10/14/2021 19:39	WG1756466
Fluorene	U		0.0169	0.0500	1	10/14/2021 19:39	WG1756466
Hexachlorobenzene	U		0.00670	0.0500	1	10/14/2021 19:39	WG1756466
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/14/2021 19:39	WG1756466
Naphthalene	U		0.0917	0.250	1	10/14/2021 19:39	WG1756466
Phenanthrene	U		0.0180	0.0500	1	10/14/2021 19:39	WG1756466
Pyrene	U		0.0169	0.0500	1	10/14/2021 19:39	WG1756466
1-Methylnaphthalene	U		0.0687	0.250	1	10/14/2021 19:39	WG1756466
2-Methylnaphthalene	U		0.0674	0.250	1	10/14/2021 19:39	WG1756466
2-Chloronaphthalene	U		0.0682	0.250	1	10/14/2021 19:39	WG1756466
(S) Nitrobenzene-d5	*77.9*			*31.0-160*		*10/14/2021 19:39*	WG1756466
(S) 2-Fluorobiphenyl	*94.2*			*48.0-148*		*10/14/2021 19:39*	WG1756466
(S) p-Terphenyl-d14	*112*			*37.0-146*		*10/14/2021 19:39*	WG1756466

Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 13:09	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
Acetone	U		11.3	25.0	1	10/19/2021 03:33	WG1759195	
Acrylonitrile	U	UJ	0.671	5.00	1	10/19/2021 03:33	WG1759195	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/18/2021 14:45	WG1758715	
Benzene	U		0.0941	0.500	1	10/19/2021 03:33	WG1759195	
Bromobenzene	U		0.118	0.500	1	10/19/2021 03:33	WG1759195	
Bromodichloromethane	U		0.136	0.500	1	10/19/2021 03:33	WG1759195	
Bromochloromethane	U		0.128	0.500	1	10/19/2021 03:33	WG1759195	
Bromoform	U		0.129	0.500	1	10/19/2021 03:33	WG1759195	
Bromomethane	U		0.605	2.50	1	10/19/2021 03:33	WG1759195	
n-Butylbenzene	U		0.157	0.500	1	10/19/2021 03:33	WG1759195	
sec-Butylbenzene	U		0.125	0.500	1	10/19/2021 03:33	WG1759195	
tert-Butylbenzene	U		0.127	0.500	1	10/19/2021 03:33	WG1759195	
Carbon disulfide	U		0.0962	0.500	1	10/19/2021 03:33	WG1759195	
Carbon tetrachloride	U		0.128	0.500	1	10/19/2021 03:33	WG1759195	
Chlorobenzene	U		0.117	0.500	1	10/19/2021 03:33	WG1759195	
Chlorodibromomethane	U		0.140	0.500	1	10/19/2021 03:33	WG1759195	
Chloroethane	U	UJ	0.192	2.50	1	10/19/2021 03:33	WG1759195	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/19/2021 03:33~~	WG1759195	R
Chloroform	U		0.111	0.500	1	10/19/2021 03:33	WG1759195	
Chloromethane	U		0.960	1.25	1	10/19/2021 03:33	WG1759195	
2-Chlorotoluene	U		0.106	0.500	1	10/19/2021 03:33	WG1759195	
4-Chlorotoluene	U		0.114	0.500	1	10/19/2021 03:33	WG1759195	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/19/2021 03:33	WG1759195	
1,2-Dibromoethane	U		0.126	0.500	1	10/19/2021 03:33	WG1759195	
Dibromomethane	U		0.122	0.500	1	10/19/2021 03:33	WG1759195	
1,2-Dichlorobenzene	U		0.107	0.500	1	10/19/2021 03:33	WG1759195	
1,3-Dichlorobenzene	U		0.299	0.500	1	10/19/2021 03:33	WG1759195	
1,4-Dichlorobenzene	U		0.120	0.500	1	10/19/2021 03:33	WG1759195	
Dichlorodifluoromethane	U	UJ ~~C3~~	0.374	2.50	1	10/19/2021 03:33	WG1759195	
1,1-Dichloroethane	U		0.100	0.500	1	10/19/2021 03:33	WG1759195	
1,2-Dichloroethane	U		0.0819	0.500	1	10/19/2021 03:33	WG1759195	
1,1-Dichloroethene	U		0.188	0.500	1	10/19/2021 03:33	WG1759195	
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/19/2021 03:33	WG1759195	
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/19/2021 03:33	WG1759195	
1,2-Dichloropropane	U	UJ ~~J4~~	0.149	0.500	1	10/19/2021 03:33	WG1759195	
1,1-Dichloropropene	U		0.142	0.500	1	10/19/2021 03:33	WG1759195	
1,3-Dichloropropane	U	UJ ~~J4~~	0.109	1.00	1	10/19/2021 03:33	WG1759195	
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/19/2021 03:33	WG1759195	
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/19/2021 03:33	WG1759195	
trans-1,4-Dichloro-2-butene	U	UJ ~~C3~~	0.467	5.00	1	10/19/2021 03:33	WG1759195	
2,2-Dichloropropane	U		0.161	0.500	1	10/19/2021 03:33	WG1759195	
Di-isopropyl ether	U		0.105	0.500	1	10/19/2021 03:33	WG1759195	
Ethylbenzene	U		0.137	0.500	1	10/19/2021 03:33	WG1759195	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/19/2021 03:33	WG1759195	
2-Hexanone	U	UJ ~~J4~~	0.787	5.00	1	10/19/2021 03:33	WG1759195	
n-Hexane	U		0.749	5.00	1	10/19/2021 03:33	WG1759195	
Iodomethane	U		0.554	5.00	1	10/19/2021 03:33	WG1759195	
Isopropylbenzene	U		0.105	0.500	1	10/19/2021 03:33	WG1759195	
p-Isopropyltoluene	U		0.120	0.500	1	10/19/2021 03:33	WG1759195	
2-Butanone (MEK)	U		1.19	5.00	1	10/19/2021 03:33	WG1759195	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/19/2021 03:33	WG1759195
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/19/2021 03:33	WG1759195
Methyl tert-butyl ether	U		0.101	0.500	1	10/19/2021 03:33	WG1759195
Naphthalene	U		0.174	2.50	1	10/19/2021 03:33	WG1759195
n-Propylbenzene	U		0.0993	0.500	1	10/19/2021 03:33	WG1759195
Styrene	U		0.118	0.500	1	10/19/2021 03:33	WG1759195
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/19/2021 03:33	WG1759195
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/19/2021 03:33	WG1759195
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/19/2021 03:33	WG1759195
Tetrachloroethene	U		0.300	0.500	1	10/19/2021 03:33	WG1759195
Toluene	U		0.278	0.500	1	10/19/2021 03:33	WG1759195
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/19/2021 03:33	WG1759195
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/19/2021 03:33	WG1759195
1,1,1-Trichloroethane	U		0.149	0.500	1	10/19/2021 03:33	WG1759195
1,1,2-Trichloroethane	U		0.158	0.500	1	10/19/2021 03:33	WG1759195
Trichloroethene	U		0.190	0.500	1	10/19/2021 03:33	WG1759195
Trichlorofluoromethane	U		0.160	2.50	1	10/19/2021 03:33	WG1759195
1,2,3-Trichloropropane	U		0.237	2.50	1	10/19/2021 03:33	WG1759195
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/19/2021 03:33	WG1759195
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/19/2021 03:33	WG1759195
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/19/2021 03:33	WG1759195
Vinyl acetate	U	UJ C3	0.692	5.00	1	10/19/2021 03:33	WG1759195
Vinyl chloride	U	UJ	0.234	0.500	1	10/19/2021 03:33	WG1759195
Xylenes, Total	U		0.174	1.50	1	10/19/2021 03:33	WG1759195
(S) Toluene-d8	*116*			*80.0-120*		*10/19/2021 03:33*	WG1759195
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*10/19/2021 03:33*	WG1759195
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*10/19/2021 03:33*	WG1759195

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/16/2021 04:34	WG1756481
Atrazine	U		0.255	10.0	1	10/16/2021 04:34	WG1756481
Benzaldehyde	U		1.69	10.0	1	10/16/2021 04:34	WG1756481
Biphenyl	U		0.790	10.0	1	10/16/2021 04:34	WG1756481
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/16/2021 04:34	WG1756481
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/16/2021 04:34	WG1756481
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/16/2021 04:34	WG1756481
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/16/2021 04:34	WG1756481
Caprolactam	2.75	J	0.309	10.0	1	10/16/2021 04:34	WG1756481
Carbazole	U		0.111	10.0	1	10/16/2021 04:34	WG1756481
4-Chloroaniline	U		0.234	5.00	1	10/16/2021 04:34	WG1756481
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/16/2021 04:34	WG1756481
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/16/2021 04:34	WG1756481
2,4-Dinitrotoluene	U		0.0983	10.0	1	10/16/2021 04:34	WG1756481
2,6-Dinitrotoluene	U		0.250	5.00	1	10/16/2021 04:34	WG1756481
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/16/2021 04:34	WG1756481
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/16/2021 04:34	WG1756481
Hexachloroethane	U		0.127	5.00	1	10/16/2021 04:34	WG1756481
Isophorone	U		0.143	10.0	1	10/16/2021 04:34	WG1756481
2-Nitroaniline	U		0.102	10.0	1	10/16/2021 04:34	WG1756481
3-Nitroaniline	U		0.0869	5.00	1	10/16/2021 04:34	WG1756481
4-Nitroaniline	U		0.0910	10.0	1	10/16/2021 04:34	WG1756481
Nitrobenzene	U		0.297	10.0	1	10/16/2021 04:34	WG1756481
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/16/2021 04:34	WG1756481
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/16/2021 04:34	WG1756481

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/16/2021 04:34	WG1756481
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/16/2021 04:34	WG1756481
Di-n-butyl phthalate	U		0.453	3.00	1	10/16/2021 04:34	WG1756481
Diethyl phthalate	U		0.287	3.00	1	10/16/2021 04:34	WG1756481
Dimethyl phthalate	U		0.260	3.00	1	10/16/2021 04:34	WG1756481
Di-n-octyl phthalate	U		0.932	3.00	1	10/16/2021 04:34	WG1756481
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/16/2021 04:34	WG1756481
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/16/2021 04:34	WG1756481
2-Chlorophenol	U		0.133	1.00	1	10/16/2021 04:34	WG1756481
2-Methylphenol	U		0.0929	1.00	1	10/16/2021 04:34	WG1756481
3&4-Methyl Phenol	U		0.168	1.00	1	10/16/2021 04:34	WG1756481
2,4-Dichlorophenol	U		0.102	5.00	1	10/16/2021 04:34	WG1756481
2,4-Dimethylphenol	U		0.0636	10.0	1	10/16/2021 04:34	WG1756481
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/16/2021 04:34	WG1756481
2,4-Dinitrophenol	U	UJ J3	5.93	10.0	1	10/16/2021 04:34	WG1756481
2-Nitrophenol	U		0.117	10.0	1	10/16/2021 04:34	WG1756481
4-Nitrophenol	U		0.143	10.0	1	10/16/2021 04:34	WG1756481
Pentachlorophenol	U		0.313	1.00	1	10/16/2021 04:34	WG1756481
Phenol	U		4.33	10.0	1	10/16/2021 04:34	WG1756481
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/16/2021 04:34	WG1756481
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/16/2021 04:34	WG1756481
(S) 2-Fluorophenol	*20.3*			*10.0-120*		*10/16/2021 04:34*	WG1756481
(S) Phenol-d5	*13.3*			*10.0-120*		*10/16/2021 04:34*	WG1756481
(S) Nitrobenzene-d5	*46.4*			*10.0-127*		*10/16/2021 04:34*	WG1756481
(S) 2-Fluorobiphenyl	*55.1*			*10.0-130*		*10/16/2021 04:34*	WG1756481
(S) 2,4,6-Tribromophenol	*38.1*			*10.0-155*		*10/16/2021 04:34*	WG1756481
(S) p-Terphenyl-d14	*41.3*			*10.0-128*		*10/16/2021 04:34*	WG1756481

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	0.0337	J	0.0190	0.0500	1	10/14/2021 19:56	WG1756466
Acenaphthene	0.0526		0.0190	0.0500	1	10/14/2021 19:56	WG1756466
Acenaphthylene	0.0190	J	0.0171	0.0500	1	10/14/2021 19:56	WG1756466
Benzo(a)anthracene	U		0.0203	0.0500	1	10/14/2021 19:56	WG1756466
Benzo(a)pyrene	U		0.0184	0.0500	1	10/14/2021 19:56	WG1756466
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/14/2021 19:56	WG1756466
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/14/2021 19:56	WG1756466
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/14/2021 19:56	WG1756466
Chrysene	U		0.0179	0.0500	1	10/14/2021 19:56	WG1756466
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/14/2021 19:56	WG1756466
Dibenzofuran	U		0.0191	0.0500	1	10/14/2021 19:56	WG1756466
Fluoranthene	0.0299	J	0.0270	0.100	1	10/14/2021 19:56	WG1756466
Fluorene	0.0444	J	0.0169	0.0500	1	10/14/2021 19:56	WG1756466
Hexachlorobenzene	U		0.00670	0.0500	1	10/14/2021 19:56	WG1756466
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/14/2021 19:56	WG1756466
Naphthalene	U		0.0917	0.250	1	10/14/2021 19:56	WG1756466
Phenanthrene	0.139		0.0180	0.0500	1	10/14/2021 19:56	WG1756466
Pyrene	0.0455	J	0.0169	0.0500	1	10/14/2021 19:56	WG1756466
1-Methylnaphthalene	U		0.0687	0.250	1	10/14/2021 19:56	WG1756466
2-Methylnaphthalene	U		0.0674	0.250	1	10/14/2021 19:56	WG1756466
2-Chloronaphthalene	U		0.0682	0.250	1	10/14/2021 19:56	WG1756466
(S) Nitrobenzene-d5	*76.3*			*31.0-160*		*10/14/2021 19:56*	WG1756466
(S) 2-Fluorobiphenyl	*93.7*			*48.0-148*		*10/14/2021 19:56*	WG1756466
(S) p-Terphenyl-d14	*114*			*37.0-146*		*10/14/2021 19:56*	WG1756466

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 13:12	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		11.3	25.0	1	10/19/2021 03:54	WG1759195	
Acrylonitrile	U	UJ	0.671	5.00	1	10/19/2021 03:54	WG1759195	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/18/2021 15:08	WG1758715	
Benzene	U		0.0941	0.500	1	10/19/2021 03:54	WG1759195	
Bromobenzene	U		0.118	0.500	1	10/19/2021 03:54	WG1759195	
Bromodichloromethane	U		0.136	0.500	1	10/19/2021 03:54	WG1759195	
Bromochloromethane	U		0.128	0.500	1	10/19/2021 03:54	WG1759195	
Bromoform	U		0.129	0.500	1	10/19/2021 03:54	WG1759195	
Bromomethane	U		0.605	2.50	1	10/19/2021 03:54	WG1759195	
n-Butylbenzene	U		0.157	0.500	1	10/19/2021 03:54	WG1759195	
sec-Butylbenzene	U		0.125	0.500	1	10/19/2021 03:54	WG1759195	
tert-Butylbenzene	U		0.127	0.500	1	10/19/2021 03:54	WG1759195	
Carbon disulfide	U		0.0962	0.500	1	10/19/2021 03:54	WG1759195	
Carbon tetrachloride	U		0.128	0.500	1	10/19/2021 03:54	WG1759195	
Chlorobenzene	U		0.117	0.500	1	10/19/2021 03:54	WG1759195	
Chlorodibromomethane	U		0.140	0.500	1	10/19/2021 03:54	WG1759195	
Chloroethane	U	UJ	0.192	2.50	1	10/19/2021 03:54	WG1759195	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/19/2021 03:54~~	WG1759195	R
Chloroform	U		0.111	0.500	1	10/19/2021 03:54	WG1759195	
Chloromethane	U		0.960	1.25	1	10/19/2021 03:54	WG1759195	
2-Chlorotoluene	U		0.106	0.500	1	10/19/2021 03:54	WG1759195	
4-Chlorotoluene	U		0.114	0.500	1	10/19/2021 03:54	WG1759195	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/19/2021 03:54	WG1759195	
1,2-Dibromoethane	U		0.126	0.500	1	10/19/2021 03:54	WG1759195	
Dibromomethane	U		0.122	0.500	1	10/19/2021 03:54	WG1759195	
1,2-Dichlorobenzene	U		0.107	0.500	1	10/19/2021 03:54	WG1759195	
1,3-Dichlorobenzene	U		0.299	0.500	1	10/19/2021 03:54	WG1759195	
1,4-Dichlorobenzene	U		0.120	0.500	1	10/19/2021 03:54	WG1759195	
Dichlorodifluoromethane	U	UJ ~~C3~~	0.374	2.50	1	10/19/2021 03:54	WG1759195	
1,1-Dichloroethane	U		0.100	0.500	1	10/19/2021 03:54	WG1759195	
1,2-Dichloroethane	U		0.0819	0.500	1	10/19/2021 03:54	WG1759195	
1,1-Dichloroethene	U		0.188	0.500	1	10/19/2021 03:54	WG1759195	
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/19/2021 03:54	WG1759195	
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/19/2021 03:54	WG1759195	
1,2-Dichloropropane	U	UJ ~~J4~~	0.149	0.500	1	10/19/2021 03:54	WG1759195	
1,1-Dichloropropene	U		0.142	0.500	1	10/19/2021 03:54	WG1759195	
1,3-Dichloropropane	U	UJ ~~J4~~	0.109	1.00	1	10/19/2021 03:54	WG1759195	
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/19/2021 03:54	WG1759195	
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/19/2021 03:54	WG1759195	
trans-1,4-Dichloro-2-butene	U	UJ ~~C3~~	0.467	5.00	1	10/19/2021 03:54	WG1759195	
2,2-Dichloropropane	U		0.161	0.500	1	10/19/2021 03:54	WG1759195	
Di-isopropyl ether	U		0.105	0.500	1	10/19/2021 03:54	WG1759195	
Ethylbenzene	U		0.137	0.500	1	10/19/2021 03:54	WG1759195	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/19/2021 03:54	WG1759195	
2-Hexanone	U	UJ ~~J4~~	0.787	5.00	1	10/19/2021 03:54	WG1759195	
n-Hexane	U		0.749	5.00	1	10/19/2021 03:54	WG1759195	
Iodomethane	U		0.554	5.00	1	10/19/2021 03:54	WG1759195	
Isopropylbenzene	U		0.105	0.500	1	10/19/2021 03:54	WG1759195	
p-Isopropyltoluene	U		0.120	0.500	1	10/19/2021 03:54	WG1759195	
2-Butanone (MEK)	U		1.19	5.00	1	10/19/2021 03:54	WG1759195	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/19/2021 03:54	WG1759195
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/19/2021 03:54	WG1759195
Methyl tert-butyl ether	U		0.101	0.500	1	10/19/2021 03:54	WG1759195
Naphthalene	U		0.174	2.50	1	10/19/2021 03:54	WG1759195
n-Propylbenzene	U		0.0993	0.500	1	10/19/2021 03:54	WG1759195
Styrene	U		0.118	0.500	1	10/19/2021 03:54	WG1759195
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/19/2021 03:54	WG1759195
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/19/2021 03:54	WG1759195
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/19/2021 03:54	WG1759195
Tetrachloroethene	U		0.300	0.500	1	10/19/2021 03:54	WG1759195
Toluene	U		0.278	0.500	1	10/19/2021 03:54	WG1759195
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/19/2021 03:54	WG1759195
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/19/2021 03:54	WG1759195
1,1,1-Trichloroethane	U		0.149	0.500	1	10/19/2021 03:54	WG1759195
1,1,2-Trichloroethane	U		0.158	0.500	1	10/19/2021 03:54	WG1759195
Trichloroethene	U		0.190	0.500	1	10/19/2021 03:54	WG1759195
Trichlorofluoromethane	U		0.160	2.50	1	10/19/2021 03:54	WG1759195
1,2,3-Trichloropropane	U		0.237	2.50	1	10/19/2021 03:54	WG1759195
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/19/2021 03:54	WG1759195
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/19/2021 03:54	WG1759195
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/19/2021 03:54	WG1759195
Vinyl acetate	U	UJ C3	0.692	5.00	1	10/19/2021 03:54	WG1759195
Vinyl chloride	U	UJ	0.234	0.500	1	10/19/2021 03:54	WG1759195
Xylenes, Total	U		0.174	1.50	1	10/19/2021 03:54	WG1759195
(S) Toluene-d8	*114*			*80.0-120*		*10/19/2021 03:54*	WG1759195
(S) 4-Bromofluorobenzene	*97.5*			*77.0-126*		*10/19/2021 03:54*	WG1759195
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*10/19/2021 03:54*	WG1759195

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/16/2021 04:56	WG1756481
Atrazine	U		0.255	10.0	1	10/16/2021 04:56	WG1756481
Benzaldehyde	U		1.69	10.0	1	10/16/2021 04:56	WG1756481
Biphenyl	U		0.790	10.0	1	10/16/2021 04:56	WG1756481
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/16/2021 04:56	WG1756481
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/16/2021 04:56	WG1756481
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/16/2021 04:56	WG1756481
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/16/2021 04:56	WG1756481
Caprolactam	U		0.309	10.0	1	10/16/2021 04:56	WG1756481
Carbazole	U		0.111	10.0	1	10/16/2021 04:56	WG1756481
4-Chloroaniline	U		0.234	5.00	1	10/16/2021 04:56	WG1756481
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/16/2021 04:56	WG1756481
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/16/2021 04:56	WG1756481
2,4-Dinitrotoluene	U		0.0983	10.0	1	10/16/2021 04:56	WG1756481
2,6-Dinitrotoluene	U		0.250	5.00	1	10/16/2021 04:56	WG1756481
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/16/2021 04:56	WG1756481
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/16/2021 04:56	WG1756481
Hexachloroethane	U		0.127	5.00	1	10/16/2021 04:56	WG1756481
Isophorone	U		0.143	10.0	1	10/16/2021 04:56	WG1756481
2-Nitroaniline	U		0.102	10.0	1	10/16/2021 04:56	WG1756481
3-Nitroaniline	U		0.0869	5.00	1	10/16/2021 04:56	WG1756481
4-Nitroaniline	U		0.0910	10.0	1	10/16/2021 04:56	WG1756481
Nitrobenzene	U		0.297	10.0	1	10/16/2021 04:56	WG1756481
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/16/2021 04:56	WG1756481
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/16/2021 04:56	WG1756481

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/16/2021 04:56	WG1756481
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/16/2021 04:56	WG1756481
Di-n-butyl phthalate	U		0.453	3.00	1	10/16/2021 04:56	WG1756481
Diethyl phthalate	U		0.287	3.00	1	10/16/2021 04:56	WG1756481
Dimethyl phthalate	U		0.260	3.00	1	10/16/2021 04:56	WG1756481
Di-n-octyl phthalate	U		0.932	3.00	1	10/16/2021 04:56	WG1756481
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/16/2021 04:56	WG1756481
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/16/2021 04:56	WG1756481
2-Chlorophenol	U		0.133	1.00	1	10/16/2021 04:56	WG1756481
2-Methylphenol	U		0.0929	1.00	1	10/16/2021 04:56	WG1756481
3&4-Methyl Phenol	U		0.168	1.00	1	10/16/2021 04:56	WG1756481
2,4-Dichlorophenol	U		0.102	5.00	1	10/16/2021 04:56	WG1756481
2,4-Dimethylphenol	U		0.0636	10.0	1	10/16/2021 04:56	WG1756481
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/16/2021 04:56	WG1756481
2,4-Dinitrophenol	U	UJ J3	5.93	10.0	1	10/16/2021 04:56	WG1756481
2-Nitrophenol	U		0.117	10.0	1	10/16/2021 04:56	WG1756481
4-Nitrophenol	U		0.143	10.0	1	10/16/2021 04:56	WG1756481
Pentachlorophenol	U		0.313	1.00	1	10/16/2021 04:56	WG1756481
Phenol	U		4.33	10.0	1	10/16/2021 04:56	WG1756481
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/16/2021 04:56	WG1756481
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/16/2021 04:56	WG1756481
(S) 2-Fluorophenol	*17.1*			*10.0-120*		*10/16/2021 04:56*	WG1756481
(S) Phenol-d5	*11.7*			*10.0-120*		*10/16/2021 04:56*	WG1756481
(S) Nitrobenzene-d5	*39.6*			*10.0-127*		*10/16/2021 04:56*	WG1756481
(S) 2-Fluorobiphenyl	*50.0*			*10.0-130*		*10/16/2021 04:56*	WG1756481
(S) 2,4,6-Tribromophenol	*31.0*			*10.0-155*		*10/16/2021 04:56*	WG1756481
(S) p-Terphenyl-d14	*46.9*			*10.0-128*		*10/16/2021 04:56*	WG1756481

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	10/14/2021 20:14	WG1756466
Acenaphthene	U		0.0190	0.0500	1	10/14/2021 20:14	WG1756466
Acenaphthylene	U		0.0171	0.0500	1	10/14/2021 20:14	WG1756466
Benzo(a)anthracene	U		0.0203	0.0500	1	10/14/2021 20:14	WG1756466
Benzo(a)pyrene	U		0.0184	0.0500	1	10/14/2021 20:14	WG1756466
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/14/2021 20:14	WG1756466
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/14/2021 20:14	WG1756466
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/14/2021 20:14	WG1756466
Chrysene	U		0.0179	0.0500	1	10/14/2021 20:14	WG1756466
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/14/2021 20:14	WG1756466
Dibenzofuran	U		0.0191	0.0500	1	10/14/2021 20:14	WG1756466
Fluoranthene	U		0.0270	0.100	1	10/14/2021 20:14	WG1756466
Fluorene	U		0.0169	0.0500	1	10/14/2021 20:14	WG1756466
Hexachlorobenzene	U		0.00670	0.0500	1	10/14/2021 20:14	WG1756466
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/14/2021 20:14	WG1756466
Naphthalene	U		0.0917	0.250	1	10/14/2021 20:14	WG1756466
Phenanthrene	U		0.0180	0.0500	1	10/14/2021 20:14	WG1756466
Pyrene	U		0.0169	0.0500	1	10/14/2021 20:14	WG1756466
1-Methylnaphthalene	U		0.0687	0.250	1	10/14/2021 20:14	WG1756466
2-Methylnaphthalene	U		0.0674	0.250	1	10/14/2021 20:14	WG1756466
2-Chloronaphthalene	U		0.0682	0.250	1	10/14/2021 20:14	WG1756466
(S) Nitrobenzene-d5	*79.5*			*31.0-160*		*10/14/2021 20:14*	WG1756466
(S) 2-Fluorobiphenyl	*96.3*			*48.0-148*		*10/14/2021 20:14*	WG1756466
(S) p-Terphenyl-d14	*119*			*37.0-146*		*10/14/2021 20:14*	WG1756466

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		11.3	25.0	1	10/19/2021 00:29	WG1759195	
Acrylonitrile	U	UJ	0.671	5.00	1	10/19/2021 00:29	WG1759195	
Benzene	U		0.0941	0.500	1	10/19/2021 00:29	WG1759195	
Bromobenzene	U		0.118	0.500	1	10/19/2021 00:29	WG1759195	
Bromodichloromethane	U		0.136	0.500	1	10/19/2021 00:29	WG1759195	
Bromochloromethane	U		0.128	0.500	1	10/19/2021 00:29	WG1759195	
Bromoform	U		0.129	0.500	1	10/19/2021 00:29	WG1759195	
Bromomethane	U		0.605	2.50	1	10/19/2021 00:29	WG1759195	
n-Butylbenzene	0.250	~~B~~ J	0.157	0.500	1	10/19/2021 00:29	WG1759195	
sec-Butylbenzene	U		0.125	0.500	1	10/19/2021 00:29	WG1759195	
tert-Butylbenzene	U		0.127	0.500	1	10/19/2021 00:29	WG1759195	
Carbon disulfide	0.246	J	0.0962	0.500	1	10/19/2021 00:29	WG1759195	
Carbon tetrachloride	U		0.128	0.500	1	10/19/2021 00:29	WG1759195	
Chlorobenzene	U		0.117	0.500	1	10/19/2021 00:29	WG1759195	
Chlorodibromomethane	U		0.140	0.500	1	10/19/2021 00:29	WG1759195	
Chloroethane	U	UJ	0.192	2.50	1	10/19/2021 00:29	WG1759195	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/19/2021 00:29~~	WG1759195	R
Chloroform	U		0.111	0.500	1	10/19/2021 00:29	WG1759195	
Chloromethane	U		0.960	1.25	1	10/19/2021 00:29	WG1759195	
2-Chlorotoluene	U		0.106	0.500	1	10/19/2021 00:29	WG1759195	
4-Chlorotoluene	U		0.114	0.500	1	10/19/2021 00:29	WG1759195	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/19/2021 00:29	WG1759195	
1,2-Dibromoethane	U		0.126	0.500	1	10/19/2021 00:29	WG1759195	
Dibromomethane	U		0.122	0.500	1	10/19/2021 00:29	WG1759195	
1,2-Dichlorobenzene	U		0.107	0.500	1	10/19/2021 00:29	WG1759195	
1,3-Dichlorobenzene	U		0.299	0.500	1	10/19/2021 00:29	WG1759195	
1,4-Dichlorobenzene	U		0.120	0.500	1	10/19/2021 00:29	WG1759195	
Dichlorodifluoromethane	U	UJ ~~C3~~	0.374	2.50	1	10/19/2021 00:29	WG1759195	
1,1-Dichloroethane	U		0.100	0.500	1	10/19/2021 00:29	WG1759195	
1,2-Dichloroethane	U		0.0819	0.500	1	10/19/2021 00:29	WG1759195	
1,1-Dichloroethene	U		0.188	0.500	1	10/19/2021 00:29	WG1759195	
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/19/2021 00:29	WG1759195	
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/19/2021 00:29	WG1759195	
1,2-Dichloropropane	U	UJ ~~J4~~	0.149	0.500	1	10/19/2021 00:29	WG1759195	
1,1-Dichloropropene	U		0.142	0.500	1	10/19/2021 00:29	WG1759195	
1,3-Dichloropropane	U	UJ ~~J4~~	0.109	1.00	1	10/19/2021 00:29	WG1759195	
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/19/2021 00:29	WG1759195	
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/19/2021 00:29	WG1759195	
trans-1,4-Dichloro-2-butene	U	UJ ~~C3~~	0.467	5.00	1	10/19/2021 00:29	WG1759195	
2,2-Dichloropropane	U		0.161	0.500	1	10/19/2021 00:29	WG1759195	
Di-isopropyl ether	U		0.105	0.500	1	10/19/2021 00:29	WG1759195	
Ethylbenzene	U		0.137	0.500	1	10/19/2021 00:29	WG1759195	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/19/2021 00:29	WG1759195	
2-Hexanone	U	UJ ~~J4~~	0.787	5.00	1	10/19/2021 00:29	WG1759195	
n-Hexane	U		0.749	5.00	1	10/19/2021 00:29	WG1759195	
Iodomethane	U		0.554	5.00	1	10/19/2021 00:29	WG1759195	
Isopropylbenzene	U		0.105	0.500	1	10/19/2021 00:29	WG1759195	
p-Isopropyltoluene	U		0.120	0.500	1	10/19/2021 00:29	WG1759195	
2-Butanone (MEK)	U		1.19	5.00	1	10/19/2021 00:29	WG1759195	
Methylene Chloride	U		0.430	2.50	1	10/19/2021 00:29	WG1759195	
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/19/2021 00:29	WG1759195	
Methyl tert-butyl ether	U		0.101	0.500	1	10/19/2021 00:29	WG1759195	
Naphthalene	0.475	~~B~~ J	0.174	2.50	1	10/19/2021 00:29	WG1759195	
n-Propylbenzene	U		0.0993	0.500	1	10/19/2021 00:29	WG1759195	
Styrene	U		0.118	0.500	1	10/19/2021 00:29	WG1759195	
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/19/2021 00:29	WG1759195	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/19/2021 00:29	WG1759195
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/19/2021 00:29	WG1759195
Tetrachloroethene	U		0.300	0.500	1	10/19/2021 00:29	WG1759195
Toluene	U		0.278	0.500	1	10/19/2021 00:29	WG1759195
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/24/2021 20:46	WG1762641
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/19/2021 00:29	WG1759195
1,1,1-Trichloroethane	U		0.149	0.500	1	10/19/2021 00:29	WG1759195
1,1,2-Trichloroethane	U		0.158	0.500	1	10/19/2021 00:29	WG1759195
Trichloroethene	U		0.190	0.500	1	10/19/2021 00:29	WG1759195
Trichlorofluoromethane	U		0.160	2.50	1	10/19/2021 00:29	WG1759195
1,2,3-Trichloropropane	U		0.237	2.50	1	10/19/2021 00:29	WG1759195
1,2,4-Trimethylbenzene	0.331	J	0.322	0.500	1	10/19/2021 00:29	WG1759195
1,2,3-Trimethylbenzene	0.124	~~B~~ J	0.104	0.500	1	10/19/2021 00:29	WG1759195
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/19/2021 00:29	WG1759195
Vinyl acetate	U UJ	~~C3~~	0.692	5.00	1	10/19/2021 00:29	WG1759195
Vinyl chloride	U UJ		0.234	0.500	1	10/19/2021 00:29	WG1759195
Xylenes, Total	0.604	J	0.174	1.50	1	10/19/2021 00:29	WG1759195
(S) Toluene-d8	*113*			*80.0-120*		*10/19/2021 00:29*	WG1759195
(S) Toluene-d8	*106*			*80.0-120*		*10/24/2021 20:46*	WG1762641
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*10/19/2021 00:29*	WG1759195
(S) 4-Bromofluorobenzene	*96.8*			*77.0-126*		*10/24/2021 20:46*	WG1762641
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/19/2021 00:29*	WG1759195
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*10/24/2021 20:46*	WG1762641

Former Chevron Texaco Research Centre

Data Usability Summary Report

Beacon, New York

Volatile Organic Compound (VOC), Semi Volatile Organic Compound (SVOC) and Metals

SDG # L1415506

Analyses Performed By:
Pace Analytical, Lebanon Rd
Tennessee

Report #43464R
Review Level: Tier III
Project: 30064362.19.61

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Groups (SDG) # L1415506 for samples collected in association with the Former Chevron Texaco Research center in Beacon, New York. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis		
					VOC	SVOC	MET
OS-2-W-211007	L1415506-01	Water	10/07/2021		X	X	X
OS-3-W-211007	L1415506-02	Water	10/07/2021		X	X	X
OR-2-W-211007	L1415506-03	Water	10/07/2021		X	X	X
OR-3-W-211007	L1415506-04	Water	10/07/2021		X	X	X
DB-17-W-211006	L1415506-05	Water	10/06/2021		X	X	X
DB-8A-W-211006	L1415506-06	Water	10/06/2021		X	X	X
DC-2-W-211006	L1415506-07	Water	10/06/2021		X	X	X
DC-1-W-211006	L1415506-08	Water	10/06/2021		X	X	X
BD-W-211007	L1415506-09	Water	10/07/2021	OR-2-W-211007	X	X	X
FB-W-211006	L1415506-10	Water	10/06/2021		X	X	X
FB-W-211007	L1415506-11	Water	10/07/2021		X	X	X
TB-W-211007	L1415506-14	Water	10/07/2021		X		
TB-W-211007	L1415506-15	Water	10/07/2021		X		

Notes:
VOC = Volatile Organic Compound
SVOC = Semi Volatile Organic Compound
MET = Metals

Analytical Data Package Documentation

The table below evaluates the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limitss		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed chain-of-custody form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data package completeness and compliance		X		X	

Note:
QA = quality assurance

Organic Analysis Introduction

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260C, 8270D by Selected Ion Monitoring (SIM), and USEPA method 537 Modified. Data were reviewed in accordance with the USEPA Region II validation guidelines *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B* (SOP #HW-24, October 2006); the USEPA National Functional Guidelines NFG for Organic Superfund Methods Data Review, EPA-540-R-20-005 (November 2020), with reference to the historical (USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999, as appropriate).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
  - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
  - E The compound was quantitated above the calibration range.
  - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
  - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
  - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
  - UB Compound is considered non-detect at the listed value due to associated blank contamination.
  - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
  - R The sample results are rejected.

The "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R"

values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Volatile Organic Compound (VOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8260C	Water	14 days from collection to analysis (preserved) 7 days from collection to analysis (non-preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:
s.u. = standard units

Note: The target compound 2-chloroethyl vinyl ether degrades in the presence of acid used to preserve the aqueous samples. Therefore, all sample results for 2-chloroethyl vinyl ether have been qualified as rejected.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compound naphthalene was detected in the associated method blank; however, the associated sample results was non-detect. Therefore, no other qualification of the sample results was required.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample ID	Initial/Continuing	Compound	Criteria
OR-3-W-211007	ICV %D	1,2,3-trichlorobenzene	24.70%
		acetone	38.70%
		hexachloro-1,3-butadiene	24.30%
		trans-1,4-dichloro-2-butene	98.60%
		vinyl acetate	29.60%
		vinyl chloride	28.80%
DC-1-W-211006	ICV %D	1,2,4-trichlorobenzene	25.20%
		bromoform	58.20%
		bromomethane	35.80%
		carbon disulfide	21.30%
		carbon tetrachloride	35.20%
		chlorodibromomethane	34.50%
		cis-1,3-dichloropropene	44.20%

Sample ID	Initial/Continuing	Compound	Criteria
		iodomethane	33.20%
		trans-1,3-dichloropropene	60.30%
		trans-1,4-dichloro-2-butene	74.40%
		trichloroethene	24.60%
TB-W-211007 TB-W-211007 OS-2-W-211007 OS-3-W-211007 OR-2-W-211007 DB-17-W-211006 DB-8A-W-211006 DC-2-W-211006 DC-1-W-211006 BD-W-211007 FB-W-211006 FB-W-211007	ICV %D	1,1,1-trichloroethane	31.10%
		1,2,3-trichlorobenzene	29.60%
		1,2-dibromo-3-chloropropane	38.50%
		2,2-dichloropropane	33.30%
		bromomethane	35.20%
		chloroform	21.90%
		dichlorodifluoromethane	48.80%
		naphthalene	43.5%
		trichlorofluoromethane	33%
		vinyl acetate	26.5%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J

Initial/Continuing	Criteria	Sample Result	Qualification
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 15% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD >90%	Non-detect	R
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J
	%D >90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

Note:

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketones, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was performed on sample OR-3-W-211007, exhibited acceptable recoveries.

Sample locations associated with MS/MSD recoveries exhibiting an RPD greater than of the control limit presented in the following table.

Sample Locations	Compound
OR-3-W-211007	1,3-dichlorobenzene
	tetrachloroethene
	1,3,5-trimethylbenzene

The criteria used to evaluate the RPD between the MS/MSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

8. Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the accuracy and precision of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

Sample locations associated with LCS/LCSD analysis exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Compounds	LCS Recovery	LCSD Recovery
OS-2-W-211007	Benzene	>UL	AC

Sample Locations	Compounds	LCS Recovery	LCSD Recovery
OS-3-W-211007 OR-2-W-211007 DB-17-W-211006 DB-8A-W-211006 DC-2-W-211006 DC-1-W-211006 BD-W-211007 FB-W-211006 FB-W-211007 TB-W-211007 TB-W-211007	Chloroform	>UL	>UL
	Dibromomethane	>UL	>UL
	trans-1,2-Dichloroethene	AC	>UL
	2,2-Dichloropropane	>UL	>UL
	1,1,1-Trichloroethane	>UL	>UL
	Vinyl chloride	AC	>UL
OR-3-W-211007	1,3-Dichlorobenzene	>UL	AC
	trans-1,4-Dichloro-2-butene	<LL but >10%	AC

The criteria used to evaluate the LCS recoveries are presented in the following table. In the case of an LCS/LCSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

Sample locations associated with LCS/LCSD recoveries exhibiting an RPD greater than of the control limit presented in the following table.

Sample Locations	Compound
OR-3-W-211007	trans-1,4-Dichloro-2-butene

The criteria used to evaluate the RPD between the LCS/LCSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compounds	Sample Result	Duplicate Result	RPD
OR-2-W-211007 / BD-W-211007	1,1-Dichloroethane	0.262	0.238	AC
	1,2-Dichloropropane	0.213	0.195	AC
	p-Isopropyltoluene	0.33	0.31	AC
	Naphthalene	0.304	0.276	AC

Notes:
AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for VOCs

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
C. Trip blanks		X		X	
Laboratory Control Sample (LCS)		X	X		
Laboratory Control Sample Duplicate(LCSD)		X	X		
LCS/LCSD Precision (RPD)		X	X		
Matrix Spike (MS)		X		X	
Matrix Spike Duplicate(MSD)		X		X	
MS/MSD Precision (RPD)		X	X		
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X	X		
Continuing calibration RRFs		X		X	

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Semivolatile Organic Compound (SVOC) Analyses

1. Holding Times

The specified holding times for the following methods are presented in the table below.

Method	Matrix	Holding Time	Preservation
SW-846 8270D-SIM	Water	7 days from collection to extraction and 40 days from extraction to analysis	Cool to <6 °C

Note:
s.u. = standard units

All samples were analyzed within the specified holding time criterion.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. SVOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

Surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria ensure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard compounds associated with the SVOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis was performed on any sample OR-3-W-211007, exhibited acceptable recoveries.

Sample locations associated with MS/MSD recoveries exhibiting an RPD greater than of the control limit presented in the following table.

Sample Locations	Compound
OR-3-W-211007	Anthracene
	Dibenzofuran

Sample Locations	Compound
	Acenaphthene
	Acenaphthylene
	Benzo(a)anthracene
	Benzo(a)pyrene
	Benzo(b)fluoranthene
	Benzo(g,h,i)perylene
	Benzo(k)fluoranthene
	Chrysene
	Dibenz(a,h)anthracene
	Fluoranthene
	Fluorene
	Indeno(1,2,3-cd)pyrene
	Hexachlorobenzene
	Naphthalene
	Phenanthrene
	Pyrene
	1-Methylnaphthalene
	2-Methylnaphthalene
	2-Chloronaphthalene

The criteria used to evaluate the RPD between the MS/MSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

Sample locations associated with LCS analysis exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Compounds	LCS Recovery
OS-2-W-211007 OS-3-W-211007 OR-2-W-211007 OR-3-W-211007 BD-W-211007 FB-W-211007	4-Nitrophenol	>UL

The criteria used to evaluate the LCS recoveries are presented in the following table. In the case of an LCS deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compounds	Sample Result	Duplicate Result	RPD
OR-2-W-211007 / BD-W-211007	Anthracene	0.0703	0.0918	AC
	Acenaphthene	0.294	0.341	15%
	Acenaphthylene	0.112	0.144	AC
	Benzo(a)anthracene	0.0413	0.0537	AC
	Benzo(a)pyrene	0.0353	0.0509	AC
	Benzo(b)fluoranthene	0.0586	0.0672	AC
	Benzo(g,h,i)perylene	0.0477	0.0508	AC
	Benzo(k)fluoranthene	0.0202	0.0257	AC
	Chrysene	0.0511	0.063	AC
	Dibenzofuran	0.05U	0.0196	AC
	Fluoranthene	0.109	0.122	AC
	Fluorene	0.171	0.191	AC
	Indeno(1,2,3-cd)pyrene	0.0388	0.0436	AC
	Naphthalene	0.445	0.525	AC
	Phenanthrene	0.372	0.445	18%
	Pyrene	0.15	0.173	AC
	1-Methylnaphthalene	0.254	0.273	7%
	2-Methylnaphthalene	0.174	0.179	AC

Notes:
AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for SVOCs

SVOCs: SW-846 8270D-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X		X	
C. Trip blanks	X				X
Laboratory Control Sample (LCS)		X	X		
Laboratory Control Sample Duplicate(LCSD)	X				X
LCS/LCSD Precision (RPD)	X				X
Matrix Spike (MS)		X		X	
Matrix Spike Duplicate(MSD)		X		X	
MS/MSD Precision (RPD)		X	X		
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content	X				X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	

SVOCs: SW-846 8270D-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
D. Reconstructed ion chromatograms		X		X	
E. Quantitation Reports		X		X	
F. RT of sample compounds within the established RT windows		X		X	
G. Transcription/calculation errors present		X		X	
H. Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

Inorganic Analysis Introduction

Analyses were performed according to Standard Method 6020A. Data were reviewed in accordance with the USEPA National Functional Guidelines NFG for Inorganic Superfund Methods Data Review, EPA-540-R-20-006 (November 2020), with reference to the historical (USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, OSWER 9240.1-05A-P, October 2004, as appropriate).and associated USEPA Region II guidelines.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and that it was already subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with the USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
  - U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
  - J The reported value was obtained from a reading less than the reporting limit (RL), but greater than or equal to the method detection limit (MDL).
- Quantitation (Q) Qualifiers
  - E The reported value is estimated due to the presence of interference.
  - N Spiked sample recovery is not within control limits.
  - * Duplicate analysis is not within control limits.
- Validation Qualifiers
  - J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
  - UJ The analyte was not detected above the reporting limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
  - UB Analyte considered non-detect at the listed value due to associated blank contamination.
  - R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Metals Analyses

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 6020A	Water	180 days from collection to analysis	Preserved to a pH of less than 2.

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Analytes were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning (SW-846 6020 analysis only)

The %RSD of the absolute signals for all analytes in the tuning solution must be less than 5% for each analyte and the instrument mass resolution must be within 0.1 amu over manufacturer ‘s specifications the range of 6-210 amu.

Mass spectrometer performance and system performance was acceptable.

4. Calibration

Satisfactory instrument calibration is established to provide that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument’s continuing performance is satisfactory.

4.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

All initial and continuing calibration verification standard recoveries were within the control limit.

4.2 ICP Interference Control Sample (ICS)

The ICS verifies the laboratories interelement and background correction factors.

All ICS exhibited recoveries within the control limits.

5. Internal Standard Performance (SW-846 6020 analysis only)

Internal standard performance criteria ensure that the ICP/MS sensitivity and response are stable during every sample analysis. The criteria require the internal standard analytes associated with the metals must exhibit a percent recovery within the established acceptance limits of 60% to 125%

All internal standard responses were within control limits.

6. Matrix Spike (MS)/Matrix Spike Duplicate (MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

6.1 MS/MSD Analysis

All metal analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

MS/MSD analysis was performed on sample OR-3-W-211007, exhibited acceptable recoveries and RPDs.

6.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices and 35% for soil matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one time the RL is applied for water matrices and two times the RL for soil matrices.

Laboratory duplicate analysis was not performed on any of the samples from this SDG.

7. Field Duplicate Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 30% for water matrices and 50% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
OR-2-W-211007 / BD-W-211007	Lead	U	U	AC

Notes:
AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

9. Serial Dilution

The serial dilution analysis is used to assess if a significant physical or chemical interference exists due to sample matrix. Analytes exhibiting concentrations greater than 50 times the MDL in the undiluted sample are evaluated to determine if matrix interference exists. These analytes are required to have less than a 10% difference (%D) between sample results from the undiluted (parent) sample and results associated with the same sample analyzed with a five-fold dilution.

The serial dilution analysis was not performed on any of the samples from this SDG.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checklist for Metals

METALS; SW-846 6020A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP-AES) Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) Atomic Absorption – Manual Cold Vapor (CV)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks		X		X	
B. Method Blanks		X		X	
C. Equipment/Field Blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Matrix Spike (MS) %R		X		X	
Matrix Spike Duplicate (MSD) %R		X		X	
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
ICP Serial Dilution %D	X				X
Total vs. Dissolved	X				X
Reporting Limit Verification		X		X	
Tier III Validation					
Initial Calibration Verification		X		X	
Continuing Calibration Verification		X		X	
LLQC Standard Recovery		X		X	
ICP Interference Check		X		X	
ICP-MS Internal Standards		X		X	

METALS; SW-846 6020A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Transcription/calculations acceptable		X		X	
Raw Data		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%R Percent recovery
RPD Relative percent difference

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]			Noncompliance
					VOC	SVOC	MET	
L1415506	10/07/2021	SM524M 6020A SW8270D	OS-2-W-211007	Water	Yes	No	No	ICV %D exceedance
	10/07/2021	SM524M 6020A SW8270D	OS-3-W-211007	Water	Yes	No	No	ICV %D exceedance
	10/07/2021	SM524M 6020A SW8270D	OR-2-W-211007	Water	Yes	No	No	ICV %D exceedance
	10/07/2021	SM524M 6020A SW8270D	OR-3-W-211007	Water	Yes	No	Yes	ICV %D exceedance, MS/MSD RPD exceedance
	10/06/2021	SM524M 6020A SW8270D	DB-17-W-211006	Water	Yes	No	No	ICV %D exceedance
	10/06/2021	SM524M 6020A SW8270D	DB-8A-W-211006	Water	Yes	No	No	ICV %D exceedance
	10/06/2021	SM524M 6020A	DC-2-W-211006	Water	Yes	No	No	ICV %D exceedance

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]			Noncompliance
					VOC	SVOC	MET	
		SW8270D						
	10/06/2021	SM524M 6020A SW8270D	DC-1-W-211006	Water	Yes	No	No	ICV %D exceedance
	10/07/2021	SM524M 6020A SW8270D	BD-W-211007	Water	Yes	No	No	ICV %D exceedance
	10/06/2021	SM524M 6020A SW8270D	FB-W-211006	Water	Yes	No	No	ICV %D exceedance
	10/07/2021	SM524M 6020A SW8270D	FB-W-211007	Water	Yes	No	No	ICV %D exceedance
	10/07/2021	SM524M	TB-W-211007	Water	Yes	--	--	ICV %D exceedance
	10/07/2021	SM524M	TB-W-211007	Water	Yes	--	--	ICV %D exceedance

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

Abbreviations

-- = not applicable
% = percent
%D = percent difference
CCV = continuing calibration verification
ICV = initial calibration verification
IS = internal standard
LCS = laboratory control sample
LCSD = laboratory control sample duplicate
LLQC = lower limit of quantitation check
MS = matrix spike
MSD = matrix spike duplicate
RPD = relative percent difference

VALIDATION PERFORMED BY: Bhagyashree Fulzele

SIGNATURE: 

DATE: November 20, 2021

PEER REVIEW: Dennis Capria

DATE: November 22, 2021

Chain of Custody Corrected Sample Analysis Data Sheets

Company Name/Address:
Arcadis - Chevron - NY

50 Millstone Rd.
Bldg 200, Suite 220
East Windsor, NJ 08520

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Pres Chk

Report to:
Ryan Merrell

Email To:
ed.meyer@arcadis.com;christopher.laprus@arc

Project Description:
Pod 4 - Beacon PMG00037

City/State Collected:

Please Circle: PT MT CT ET

Phone: **609-860-0590**

Client Project #
30064362.19.45

Lab Project #
CHEVARCNY-BEACON

Collected by (print): Kirk Vargo
Shannon Tosh

Site/Facility ID #
PMG00037

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270DIOXANE 100ml Amb-NoPres	8270TCLD 100ml Amb NoPres	DBCP - V524LL 40mlAmb HCl	PAHSIMLVID 40mlAmb-NoPres-WT	PBDG - Lab filter 250mlHDPE-NoPres	V8260LLC 40mlAmb-HCl	V8260LLC-TripBlank 40mlAmb-HCl-Blk	Remarks	Sample # (lab only)
OS-2-W-211007	Grab	GW		10/7/21	1320	11		X	X	X	X	X			-01
OS-3-W-211007	Grab	GW		10/7/21	1324	11		X	X	X	X	X			-02
OR-2-W-211007	Grab	GW		10/7/21	1225	11		X	X	X	X	X			-03
OR-3-W-211007	Grab	GW		10/7/21	1215	11		X	X	X	X	X			-04
DB-17-W-211006	Grab	GW		10/6/21	1245	13	X	X	X	X	X	X			-05
DB-8A-W-211006	Grab	GW		10/6/21	1140	13	X	X	X	X	X	X			-06
DC-2-W-211006	Grab	GW		10/6/21	1120	11		X	X	X	X	X			-07
DC-1-W-211006	Grab	GW		10/6/21	1235	11		X	X	X	X	X			-08
TF-23-W-211___		GW				11		X	X	X	X	X			
TF-5-W-211___		GW				11		X	X	X	X	X			

Chain of Custody Page 1 of 3

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12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # I180

Table #

Acctnum: **CHEVARCNY**

Template: **T166593**

Prelogin: **P878273**

PM: **526 - Chris McCord**

PB: 10/4 21:000

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR	If preservation required by Login: Date/Time
	10/7/21	1710		2 3	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: A3 °C Bottles Received: 1.040=1.0 14	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/8/21 Time: 0900	Hold: Condition: NCF / OK

Company Name/Address:
Arcadis - Chevron - NY

50 Millstone Rd.
Bldg 200, Suite 220
East Windsor. NJ 08520

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Pres Chk

Report to: **Ryan Merrell**

Email To: ed.meyer@arcadis.com;christopher.laprus@arc

Project Description: **Pod 4 - Beacon PMG00037**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **609-860-0590**

Client Project # **30064362.19.45**

Lab Project # **CHEVARCNY-BEACON**

Collected by (print): Kit Chapman / Shannon Tuchan

Site/Facility ID # **PMG00037**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270DIOXANE 100ml Amb-NoPres	8270TCLD 100ml Amb NoPres	DBCP - V524LL 40mlAmb HCl	PAHSIMLVID 40mlAmb-NoPres-WT	PBDG - Lab filter 250mlHDPE-NoPres	V8260LLC 40mlAmb-HCl	V8260LLC-TripBlank 40mlAmb-HCl-Blk				Remarks	Sample # (lab only)
		GW				11		X	X	X	X	X						
BD-W-2110-07	Grab	GW		10/7/21	—	11		X	X	X	X	X						-09
FB-W-2110-06	Grab	GW		10/6/21	1400	11		X	X	X	X	X						-10
FB-W-2110-07	Grab	GW		10/7/21	1500	11		X	X	X	X	X						-11
FB-W-2110___		GW				11		X	X	X	X	X						
QA-MS-W-2110-7	Grab	GW		10/7/21	1215	11		X	X	X	X	X						-12
QA-MSD-W-2110-7	Grab	GW		10/7/21	1215	11		X	X	X	X	X						-13
EB-W-2110___		GW				11		X	X	X	X	X						
TB-W-2110-07	Grab	GW		10/7/21	—	1							X					-14
TB-W-2110___		GW				1							X					

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	10/7/21	1710		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.8R °C Bottles Received: 1.0 FD=1.0 147	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/8/21 Time: 0900	Hold: / Condition: NCF / OK

Chain of Custody Page 2 of 3

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SDG #

Table #

Acctnum: **CHEVARCNY**

Template: **T166593**

Prelogin: **P878273**

PM: **526 - Chris McCord**

PB: 10/4/21 tod

Shipped Via: **FedEX Ground**

Company Name/Address:
Arcadis - Chevron - NY

50 Millstone Rd.
Bldg 200, Suite 220
East Windsor. NJ 08520

Billing Information:
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Pres Chk

Report to:
Ryan Merrell

Email To:
ed.meyer@arcadis.com;christopher.laprus@arc

Project Description:
Pod 4 - Beacon PMG00037

City/State Collected:

Please Circle: PT MT CT ET

Phone: **609-860-0590**

Client Project #
30064362.19.45

Lab Project #
CHEVARCNY-BEACON

Collected by (print): Kirk Vargo
Shannon Forbes

Site/Facility ID #
PMG00037

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270DIOXANE 100ml Amb-NoPres	8270TCLD 100ml Amb NoPres	DBCP - V524LL 40mlAmb HCl	PAHSIMLVID 40mlAmb-NoPres-WT	PBDG - Lab filter 250mlHDPE-NoPres	V8260LLC 40mlAmb-HCl	V8260LLC-TripBlank 40mlAmb-HCl-Blk				Remarks	Sample # (lab only)
TB-W-2110 ~~01~~	Grab	GW		10/7/21	—	1							X					-15

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	10/7/21	1710	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCl / MeoH
TBR

Temp: A3 B0°C Bottles Received:
1.0+0=1.0 147

Date: 10/8/21 Time: 1700

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Chain of Custody Page 3 of 3

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SDG #

Table #

Acctnum: **CHEVARCNY**
Template: **T166593**
Prelogin: **P878273**
PM: **526 - Chris McCord**
PB 10/4/21 tdd

Shipped Via: **FedEX Ground**

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:26	WG1759994	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		11.3	25.0	1	10/15/2021 01:07	WG1757539	
Acrylonitrile	U		0.671	5.00	1	10/15/2021 01:07	WG1757539	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 14:29	WG1758798	
Benzene	U	J4	0.0941	0.500	1	10/15/2021 01:07	WG1757539	
Bromobenzene	U		0.118	0.500	1	10/15/2021 01:07	WG1757539	
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 01:07	WG1757539	
Bromochloromethane	U		0.128	0.500	1	10/15/2021 01:07	WG1757539	
Bromoform	U		0.129	0.500	1	10/15/2021 01:07	WG1757539	
Bromomethane	U	UJ	0.605	2.50	1	10/15/2021 01:07	WG1757539	
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 01:07	WG1757539	
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 01:07	WG1757539	
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 01:07	WG1757539	
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 01:07	WG1757539	
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 01:07	WG1757539	
Chlorobenzene	U		0.117	0.500	1	10/15/2021 01:07	WG1757539	
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 01:07	WG1757539	
Chloroethane	U		0.192	2.50	1	10/15/2021 01:07	WG1757539	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/15/2021 01:07~~	WG1757539	R
Chloroform	U	UJ J4	0.111	0.500	1	10/15/2021 01:07	WG1757539	
Chloromethane	U		0.960	1.25	1	10/15/2021 01:07	WG1757539	
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 01:07	WG1757539	
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 01:07	WG1757539	
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.276	2.50	1	10/15/2021 01:07	WG1757539	
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 01:07	WG1757539	
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 01:07	WG1757539	
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 01:07	WG1757539	
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 01:07	WG1757539	
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 01:07	WG1757539	
Dichlorodifluoromethane	U	UJ	0.374	2.50	1	10/15/2021 01:07	WG1757539	
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 01:07	WG1757539	
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 01:07	WG1757539	
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 01:07	WG1757539	
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 01:07	WG1757539	
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 01:07	WG1757539	
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 01:07	WG1757539	
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 01:07	WG1757539	
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 01:07	WG1757539	
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 01:07	WG1757539	
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 01:07	WG1757539	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 01:07	WG1757539	
2,2-Dichloropropane	U	UJ J4	0.161	0.500	1	10/15/2021 01:07	WG1757539	
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 01:07	WG1757539	
Ethylbenzene	U		0.137	0.500	1	10/15/2021 01:07	WG1757539	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 01:07	WG1757539	
2-Hexanone	U		0.787	5.00	1	10/15/2021 01:07	WG1757539	
n-Hexane	U		0.749	5.00	1	10/15/2021 01:07	WG1757539	
Iodomethane	U		0.554	5.00	1	10/15/2021 01:07	WG1757539	
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 01:07	WG1757539	
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 01:07	WG1757539	
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 01:07	WG1757539	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/15/2021 01:07	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 01:07	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 01:07	WG1757539
Naphthalene	U	UJ C3	0.174	2.50	1	10/15/2021 01:07	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 01:07	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 01:07	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 01:07	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 01:07	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 01:07	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 01:07	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 01:07	WG1757539
1,2,3-Trichlorobenzene	U	UJ C3	0.164	0.500	1	10/15/2021 01:07	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 01:07	WG1757539
1,1,1-Trichloroethane	U	UJ J4	0.149	0.500	1	10/15/2021 01:07	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 01:07	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 01:07	WG1757539
Trichlorofluoromethane	U	UJ	0.160	2.50	1	10/15/2021 01:07	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 01:07	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 01:07	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 01:07	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 01:07	WG1757539
Vinyl acetate	U	UJ	0.692	5.00	1	10/15/2021 01:07	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 01:07	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 01:07	WG1757539
(S) Toluene-d8	*95.0*			*80.0-120*		*10/15/2021 01:07*	WG1757539
(S) 4-Bromofluorobenzene	*96.0*			*77.0-126*		*10/15/2021 01:07*	WG1757539
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*10/15/2021 01:07*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/14/2021 22:19	WG1756476
Atrazine	U		0.255	10.0	1	10/14/2021 22:19	WG1756476
Benzaldehyde	U		1.69	10.0	1	10/14/2021 22:19	WG1756476
Biphenyl	U		0.790	10.0	1	10/14/2021 22:19	WG1756476
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/14/2021 22:19	WG1756476
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/14/2021 22:19	WG1756476
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/14/2021 22:19	WG1756476
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/14/2021 22:19	WG1756476
Caprolactam	U		0.309	10.0	1	10/14/2021 22:19	WG1756476
Carbazole	U		0.111	10.0	1	10/14/2021 22:19	WG1756476
4-Chloroaniline	U		0.234	5.00	1	10/14/2021 22:19	WG1756476
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/14/2021 22:19	WG1756476
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/14/2021 22:19	WG1756476
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/14/2021 22:19	WG1756476
2,6-Dinitrotoluene	U		0.250	5.00	1	10/14/2021 22:19	WG1756476
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/14/2021 22:19	WG1756476
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/14/2021 22:19	WG1756476
Hexachloroethane	U		0.127	5.00	1	10/14/2021 22:19	WG1756476
Isophorone	U		0.143	10.0	1	10/14/2021 22:19	WG1756476
2-Nitroaniline	U		0.102	10.0	1	10/14/2021 22:19	WG1756476
3-Nitroaniline	U		0.0869	5.00	1	10/14/2021 22:19	WG1756476
4-Nitroaniline	U		0.0910	5.00	1	10/14/2021 22:19	WG1756476
Nitrobenzene	U		0.297	10.0	1	10/14/2021 22:19	WG1756476
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/14/2021 22:19	WG1756476
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/14/2021 22:19	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/14/2021 22:19	WG1756476
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/14/2021 22:19	WG1756476
Di-n-butyl phthalate	U		0.453	3.00	1	10/14/2021 22:19	WG1756476
Diethyl phthalate	U		0.287	3.00	1	10/14/2021 22:19	WG1756476
Dimethyl phthalate	U		0.260	3.00	1	10/14/2021 22:19	WG1756476
Di-n-octyl phthalate	U		0.932	3.00	1	10/14/2021 22:19	WG1756476
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/14/2021 22:19	WG1756476
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/14/2021 22:19	WG1756476
2-Chlorophenol	U		0.133	1.00	1	10/14/2021 22:19	WG1756476
2-Methylphenol	U		0.0929	1.00	1	10/14/2021 22:19	WG1756476
3&4-Methyl Phenol	U		0.168	1.00	1	10/14/2021 22:19	WG1756476
2,4-Dichlorophenol	U		0.102	5.00	1	10/14/2021 22:19	WG1756476
2,4-Dimethylphenol	U		0.0636	10.0	1	10/14/2021 22:19	WG1756476
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/14/2021 22:19	WG1756476
2,4-Dinitrophenol	U		5.93	10.0	1	10/14/2021 22:19	WG1756476
2-Nitrophenol	U		0.117	10.0	1	10/14/2021 22:19	WG1756476
4-Nitrophenol	U	J4	0.143	10.0	1	10/14/2021 22:19	WG1756476
Pentachlorophenol	U		0.313	1.00	1	10/14/2021 22:19	WG1756476
Phenol	U		4.33	10.0	1	10/14/2021 22:19	WG1756476
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/14/2021 22:19	WG1756476
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/14/2021 22:19	WG1756476
(S) 2-Fluorophenol	*28.0*			*10.0-120*		*10/14/2021 22:19*	WG1756476
(S) Phenol-d5	*17.6*			*10.0-120*		*10/14/2021 22:19*	WG1756476
(S) Nitrobenzene-d5	*47.3*			*10.0-127*		*10/14/2021 22:19*	WG1756476
(S) 2-Fluorobiphenyl	*47.8*			*10.0-130*		*10/14/2021 22:19*	WG1756476
(S) 2,4,6-Tribromophenol	*42.4*			*10.0-155*		*10/14/2021 22:19*	WG1756476
(S) p-Terphenyl-d14	*52.6*			*10.0-128*		*10/14/2021 22:19*	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	10/13/2021 20:00	WG1755638
Acenaphthene	0.0243	J	0.0190	0.0500	1	10/13/2021 20:00	WG1755638
Acenaphthylene	U		0.0171	0.0500	1	10/13/2021 20:00	WG1755638
Benzo(a)anthracene	U		0.0203	0.0500	1	10/13/2021 20:00	WG1755638
Benzo(a)pyrene	U		0.0184	0.0500	1	10/13/2021 20:00	WG1755638
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/13/2021 20:00	WG1755638
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/13/2021 20:00	WG1755638
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/13/2021 20:00	WG1755638
Chrysene	U		0.0179	0.0500	1	10/13/2021 20:00	WG1755638
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/13/2021 20:00	WG1755638
Dibenzofuran	U		0.0191	0.0500	1	10/13/2021 20:00	WG1755638
Fluoranthene	U		0.0270	0.100	1	10/13/2021 20:00	WG1755638
Fluorene	0.0211	J	0.0169	0.0500	1	10/13/2021 20:00	WG1755638
Hexachlorobenzene	U		0.00670	0.0500	1	10/13/2021 20:00	WG1755638
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/13/2021 20:00	WG1755638
Naphthalene	U		0.0917	0.250	1	10/13/2021 20:00	WG1755638
Phenanthrene	0.0682		0.0180	0.0500	1	10/13/2021 20:00	WG1755638
Pyrene	0.0232	J	0.0169	0.0500	1	10/13/2021 20:00	WG1755638
1-Methylnaphthalene	U		0.0687	0.250	1	10/13/2021 20:00	WG1755638
2-Methylnaphthalene	U		0.0674	0.250	1	10/13/2021 20:00	WG1755638
2-Chloronaphthalene	U		0.0682	0.250	1	10/13/2021 20:00	WG1755638
(S) Nitrobenzene-d5	*100*			*31.0-160*		*10/13/2021 20:00*	WG1755638
(S) 2-Fluorobiphenyl	*127*			*48.0-148*		*10/13/2021 20:00*	WG1755638
(S) p-Terphenyl-d14	*154*	J1		*37.0-146*		*10/13/2021 20:00*	WG1755638

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:29	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		11.3	25.0	1	10/15/2021 01:27	WG1757539	
Acrylonitrile	U		0.671	5.00	1	10/15/2021 01:27	WG1757539	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 14:53	WG1758798	
Benzene	U	J4	0.0941	0.500	1	10/15/2021 01:27	WG1757539	
Bromobenzene	U		0.118	0.500	1	10/15/2021 01:27	WG1757539	
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 01:27	WG1757539	
Bromochloromethane	U		0.128	0.500	1	10/15/2021 01:27	WG1757539	
Bromoform	U		0.129	0.500	1	10/15/2021 01:27	WG1757539	
Bromomethane	U	UJ	0.605	2.50	1	10/15/2021 01:27	WG1757539	
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 01:27	WG1757539	
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 01:27	WG1757539	
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 01:27	WG1757539	
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 01:27	WG1757539	
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 01:27	WG1757539	
Chlorobenzene	U		0.117	0.500	1	10/15/2021 01:27	WG1757539	
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 01:27	WG1757539	
Chloroethane	U		0.192	2.50	1	10/15/2021 01:27	WG1757539	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/15/2021 01:27~~	WG1757539	R
Chloroform	U	UJ	J4	0.111	0.500	1	10/15/2021 01:27	WG1757539
Chloromethane	U		0.960	1.25	1	10/15/2021 01:27	WG1757539	
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 01:27	WG1757539	
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 01:27	WG1757539	
1,2-Dibromo-3-Chloropropane	U	UJ	C3	0.276	2.50	1	10/15/2021 01:27	WG1757539
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 01:27	WG1757539	
Dibromomethane	U		J4	0.122	0.500	1	10/15/2021 01:27	WG1757539
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 01:27	WG1757539	
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 01:27	WG1757539	
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 01:27	WG1757539	
Dichlorodifluoromethane	U	UJ	0.374	2.50	1	10/15/2021 01:27	WG1757539	
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 01:27	WG1757539	
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 01:27	WG1757539	
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 01:27	WG1757539	
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 01:27	WG1757539	
trans-1,2-Dichloroethene	U		J4	0.149	0.500	1	10/15/2021 01:27	WG1757539
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 01:27	WG1757539	
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 01:27	WG1757539	
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 01:27	WG1757539	
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 01:27	WG1757539	
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 01:27	WG1757539	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 01:27	WG1757539	
2,2-Dichloropropane	U	UJ	J4	0.161	0.500	1	10/15/2021 01:27	WG1757539
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 01:27	WG1757539	
Ethylbenzene	U		0.137	0.500	1	10/15/2021 01:27	WG1757539	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 01:27	WG1757539	
2-Hexanone	U		0.787	5.00	1	10/15/2021 01:27	WG1757539	
n-Hexane	U		0.749	5.00	1	10/15/2021 01:27	WG1757539	
Iodomethane	U		0.554	5.00	1	10/15/2021 01:27	WG1757539	
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 01:27	WG1757539	
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 01:27	WG1757539	
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 01:27	WG1757539	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/15/2021 01:27	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 01:27	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 01:27	WG1757539
Naphthalene	U	UJ C3	0.174	2.50	1	10/15/2021 01:27	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 01:27	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 01:27	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 01:27	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 01:27	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 01:27	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 01:27	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 01:27	WG1757539
1,2,3-Trichlorobenzene	U	UJ C3	0.164	0.500	1	10/15/2021 01:27	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 01:27	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 01:27	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 01:27	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 01:27	WG1757539
Trichlorofluoromethane	U	UJ	0.160	2.50	1	10/15/2021 01:27	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 01:27	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 01:27	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 01:27	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 01:27	WG1757539
Vinyl acetate	U	UJ	0.692	5.00	1	10/15/2021 01:27	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 01:27	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 01:27	WG1757539
(S) Toluene-d8	*96.5*			*80.0-120*		*10/15/2021 01:27*	WG1757539
(S) 4-Bromofluorobenzene	*96.0*			*77.0-126*		*10/15/2021 01:27*	WG1757539
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*10/15/2021 01:27*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/14/2021 22:41	WG1756476
Atrazine	U		0.255	10.0	1	10/14/2021 22:41	WG1756476
Benzaldehyde	U		1.69	10.0	1	10/14/2021 22:41	WG1756476
Biphenyl	U		0.790	10.0	1	10/14/2021 22:41	WG1756476
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/14/2021 22:41	WG1756476
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/14/2021 22:41	WG1756476
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/14/2021 22:41	WG1756476
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/14/2021 22:41	WG1756476
Caprolactam	U		0.309	10.0	1	10/14/2021 22:41	WG1756476
Carbazole	U		0.111	10.0	1	10/14/2021 22:41	WG1756476
4-Chloroaniline	U		0.234	5.00	1	10/14/2021 22:41	WG1756476
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/14/2021 22:41	WG1756476
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/14/2021 22:41	WG1756476
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/14/2021 22:41	WG1756476
2,6-Dinitrotoluene	U		0.250	5.00	1	10/14/2021 22:41	WG1756476
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/14/2021 22:41	WG1756476
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/14/2021 22:41	WG1756476
Hexachloroethane	U		0.127	5.00	1	10/14/2021 22:41	WG1756476
Isophorone	U		0.143	10.0	1	10/14/2021 22:41	WG1756476
2-Nitroaniline	U		0.102	10.0	1	10/14/2021 22:41	WG1756476
3-Nitroaniline	U		0.0869	5.00	1	10/14/2021 22:41	WG1756476
4-Nitroaniline	U		0.0910	5.00	1	10/14/2021 22:41	WG1756476
Nitrobenzene	U		0.297	10.0	1	10/14/2021 22:41	WG1756476
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/14/2021 22:41	WG1756476
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/14/2021 22:41	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/14/2021 22:41	WG1756476
Bis(2-ethylhexyl)phthalate	1.16	J	0.895	3.00	1	10/14/2021 22:41	WG1756476
Di-n-butyl phthalate	U		0.453	3.00	1	10/14/2021 22:41	WG1756476
Diethyl phthalate	U		0.287	3.00	1	10/14/2021 22:41	WG1756476
Dimethyl phthalate	U		0.260	3.00	1	10/14/2021 22:41	WG1756476
Di-n-octyl phthalate	U		0.932	3.00	1	10/14/2021 22:41	WG1756476
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/14/2021 22:41	WG1756476
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/14/2021 22:41	WG1756476
2-Chlorophenol	U		0.133	1.00	1	10/14/2021 22:41	WG1756476
2-Methylphenol	U		0.0929	1.00	1	10/14/2021 22:41	WG1756476
3&4-Methyl Phenol	U		0.168	1.00	1	10/14/2021 22:41	WG1756476
2,4-Dichlorophenol	U		0.102	5.00	1	10/14/2021 22:41	WG1756476
2,4-Dimethylphenol	U		0.0636	10.0	1	10/14/2021 22:41	WG1756476
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/14/2021 22:41	WG1756476
2,4-Dinitrophenol	U		5.93	10.0	1	10/14/2021 22:41	WG1756476
2-Nitrophenol	U		0.117	10.0	1	10/14/2021 22:41	WG1756476
4-Nitrophenol	U	J4	0.143	10.0	1	10/14/2021 22:41	WG1756476
Pentachlorophenol	U		0.313	1.00	1	10/14/2021 22:41	WG1756476
Phenol	U		4.33	10.0	1	10/14/2021 22:41	WG1756476
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/14/2021 22:41	WG1756476
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/14/2021 22:41	WG1756476
(S) 2-Fluorophenol	*35.4*			*10.0-120*		*10/14/2021 22:41*	WG1756476
(S) Phenol-d5	*20.5*			*10.0-120*		*10/14/2021 22:41*	WG1756476
(S) Nitrobenzene-d5	*64.7*			*10.0-127*		*10/14/2021 22:41*	WG1756476
(S) 2-Fluorobiphenyl	*63.6*			*10.0-130*		*10/14/2021 22:41*	WG1756476
(S) 2,4,6-Tribromophenol	*55.0*			*10.0-155*		*10/14/2021 22:41*	WG1756476
(S) p-Terphenyl-d14	*59.4*			*10.0-128*		*10/14/2021 22:41*	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/13/2021 20:20	WG1755638
Acenaphthene	U		0.0190	0.0500	1	10/13/2021 20:20	WG1755638
Acenaphthylene	U		0.0171	0.0500	1	10/13/2021 20:20	WG1755638
Benzo(a)anthracene	U		0.0203	0.0500	1	10/13/2021 20:20	WG1755638
Benzo(a)pyrene	U		0.0184	0.0500	1	10/13/2021 20:20	WG1755638
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/13/2021 20:20	WG1755638
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/13/2021 20:20	WG1755638
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/13/2021 20:20	WG1755638
Chrysene	U		0.0179	0.0500	1	10/13/2021 20:20	WG1755638
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/13/2021 20:20	WG1755638
Dibenzofuran	U		0.0191	0.0500	1	10/13/2021 20:20	WG1755638
Fluoranthene	U		0.0270	0.100	1	10/13/2021 20:20	WG1755638
Fluorene	U		0.0169	0.0500	1	10/13/2021 20:20	WG1755638
Hexachlorobenzene	U		0.00670	0.0500	1	10/13/2021 20:20	WG1755638
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/13/2021 20:20	WG1755638
Naphthalene	U		0.0917	0.250	1	10/13/2021 20:20	WG1755638
Phenanthrene	U		0.0180	0.0500	1	10/13/2021 20:20	WG1755638
Pyrene	U		0.0169	0.0500	1	10/13/2021 20:20	WG1755638
1-Methylnaphthalene	U		0.0687	0.250	1	10/13/2021 20:20	WG1755638
2-Methylnaphthalene	U		0.0674	0.250	1	10/13/2021 20:20	WG1755638
2-Chloronaphthalene	U		0.0682	0.250	1	10/13/2021 20:20	WG1755638
(S) Nitrobenzene-d5	*97.4*			*31.0-160*		*10/13/2021 20:20*	WG1755638
(S) 2-Fluorobiphenyl	*120*			*48.0-148*		*10/13/2021 20:20*	WG1755638
(S) p-Terphenyl-d14	*136*			*37.0-146*		*10/13/2021 20:20*	WG1755638

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:33	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		11.3	25.0	1	10/15/2021 01:46	WG1757539	
Acrylonitrile	U		0.671	5.00	1	10/15/2021 01:46	WG1757539	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 15:16	WG1758798	
Benzene	U	J4	0.0941	0.500	1	10/15/2021 01:46	WG1757539	
Bromobenzene	U		0.118	0.500	1	10/15/2021 01:46	WG1757539	
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 01:46	WG1757539	
Bromochloromethane	U		0.128	0.500	1	10/15/2021 01:46	WG1757539	
Bromoform	U		0.129	0.500	1	10/15/2021 01:46	WG1757539	
Bromomethane	U	UJ	0.605	2.50	1	10/15/2021 01:46	WG1757539	
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 01:46	WG1757539	
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 01:46	WG1757539	
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 01:46	WG1757539	
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 01:46	WG1757539	
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 01:46	WG1757539	
Chlorobenzene	U		0.117	0.500	1	10/15/2021 01:46	WG1757539	
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 01:46	WG1757539	
Chloroethane	U		0.192	2.50	1	10/15/2021 01:46	WG1757539	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/15/2021 01:46~~	WG1757539	R
Chloroform	U	UJ J4	0.111	0.500	1	10/15/2021 01:46	WG1757539	
Chloromethane	U		0.960	1.25	1	10/15/2021 01:46	WG1757539	
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 01:46	WG1757539	
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 01:46	WG1757539	
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.276	2.50	1	10/15/2021 01:46	WG1757539	
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 01:46	WG1757539	
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 01:46	WG1757539	
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 01:46	WG1757539	
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 01:46	WG1757539	
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 01:46	WG1757539	
Dichlorodifluoromethane	U	UJ	0.374	2.50	1	10/15/2021 01:46	WG1757539	
1,1-Dichloroethane	0.262	J	0.100	0.500	1	10/15/2021 01:46	WG1757539	
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 01:46	WG1757539	
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 01:46	WG1757539	
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 01:46	WG1757539	
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 01:46	WG1757539	
1,2-Dichloropropane	0.213	J	0.149	0.500	1	10/15/2021 01:46	WG1757539	
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 01:46	WG1757539	
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 01:46	WG1757539	
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 01:46	WG1757539	
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 01:46	WG1757539	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 01:46	WG1757539	
2,2-Dichloropropane	U	UJ J4	0.161	0.500	1	10/15/2021 01:46	WG1757539	
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 01:46	WG1757539	
Ethylbenzene	U		0.137	0.500	1	10/15/2021 01:46	WG1757539	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 01:46	WG1757539	
2-Hexanone	U		0.787	5.00	1	10/15/2021 01:46	WG1757539	
n-Hexane	U		0.749	5.00	1	10/15/2021 01:46	WG1757539	
Iodomethane	U		0.554	5.00	1	10/15/2021 01:46	WG1757539	
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 01:46	WG1757539	
p-Isopropyltoluene	0.330	J	0.120	0.500	1	10/15/2021 01:46	WG1757539	
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 01:46	WG1757539	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/15/2021 01:46	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 01:46	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 01:46	WG1757539
Naphthalene	0.304 J	~~C3 J~~	0.174	2.50	1	10/15/2021 01:46	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 01:46	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 01:46	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 01:46	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 01:46	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 01:46	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 01:46	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 01:46	WG1757539
1,2,3-Trichlorobenzene	U UJ	~~C3~~	0.164	0.500	1	10/15/2021 01:46	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 01:46	WG1757539
1,1,1-Trichloroethane	U	~~J4~~	0.149	0.500	1	10/15/2021 01:46	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 01:46	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 01:46	WG1757539
Trichlorofluoromethane	U UJ		0.160	2.50	1	10/15/2021 01:46	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 01:46	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 01:46	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 01:46	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 01:46	WG1757539
Vinyl acetate	U UJ		0.692	5.00	1	10/15/2021 01:46	WG1757539
Vinyl chloride	U	~~J4~~	0.234	0.500	1	10/15/2021 01:46	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 01:46	WG1757539
(S) Toluene-d8	*96.9*			*80.0-120*		*10/15/2021 01:46*	WG1757539
(S) 4-Bromofluorobenzene	*98.0*			*77.0-126*		*10/15/2021 01:46*	WG1757539
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*10/15/2021 01:46*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/16/2021 07:04	WG1756476
Atrazine	U		0.255	10.0	1	10/16/2021 07:04	WG1756476
Benzaldehyde	U		1.69	10.0	1	10/16/2021 07:04	WG1756476
Biphenyl	U		0.790	10.0	1	10/16/2021 07:04	WG1756476
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/16/2021 07:04	WG1756476
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/16/2021 07:04	WG1756476
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/16/2021 07:04	WG1756476
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/16/2021 07:04	WG1756476
Caprolactam	1.37	J	0.309	10.0	1	10/16/2021 07:04	WG1756476
Carbazole	U		0.111	10.0	1	10/16/2021 07:04	WG1756476
4-Chloroaniline	U		0.234	5.00	1	10/16/2021 07:04	WG1756476
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/16/2021 07:04	WG1756476
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/16/2021 07:04	WG1756476
2,4-Dinitrotoluene	U		0.0983	10.0	1	10/16/2021 07:04	WG1756476
2,6-Dinitrotoluene	U		0.250	5.00	1	10/16/2021 07:04	WG1756476
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/16/2021 07:04	WG1756476
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/16/2021 07:04	WG1756476
Hexachloroethane	U		0.127	5.00	1	10/16/2021 07:04	WG1756476
Isophorone	U		0.143	10.0	1	10/16/2021 07:04	WG1756476
2-Nitroaniline	U		0.102	10.0	1	10/16/2021 07:04	WG1756476
3-Nitroaniline	U		0.0869	5.00	1	10/16/2021 07:04	WG1756476
4-Nitroaniline	U		0.0910	10.0	1	10/16/2021 07:04	WG1756476
Nitrobenzene	U		0.297	10.0	1	10/16/2021 07:04	WG1756476
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/16/2021 07:04	WG1756476
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/16/2021 07:04	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/16/2021 07:04	WG1756476
Bis(2-ethylhexyl)phthalate	1.36	J	0.895	3.00	1	10/16/2021 07:04	WG1756476
Di-n-butyl phthalate	U		0.453	3.00	1	10/16/2021 07:04	WG1756476
Diethyl phthalate	U		0.287	3.00	1	10/16/2021 07:04	WG1756476
Dimethyl phthalate	U		0.260	3.00	1	10/16/2021 07:04	WG1756476
Di-n-octyl phthalate	U		0.932	3.00	1	10/16/2021 07:04	WG1756476
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/16/2021 07:04	WG1756476
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/16/2021 07:04	WG1756476
2-Chlorophenol	U		0.133	1.00	1	10/16/2021 07:04	WG1756476
2-Methylphenol	U		0.0929	1.00	1	10/16/2021 07:04	WG1756476
3&4-Methyl Phenol	U		0.168	1.00	1	10/16/2021 07:04	WG1756476
2,4-Dichlorophenol	U		0.102	5.00	1	10/16/2021 07:04	WG1756476
2,4-Dimethylphenol	U		0.0636	10.0	1	10/16/2021 07:04	WG1756476
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/16/2021 07:04	WG1756476
2,4-Dinitrophenol	U		5.93	10.0	1	10/16/2021 07:04	WG1756476
2-Nitrophenol	U		0.117	10.0	1	10/16/2021 07:04	WG1756476
4-Nitrophenol	U	J4	0.143	10.0	1	10/16/2021 07:04	WG1756476
Pentachlorophenol	U		0.313	1.00	1	10/16/2021 07:04	WG1756476
Phenol	U		4.33	10.0	1	10/16/2021 07:04	WG1756476
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/16/2021 07:04	WG1756476
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/16/2021 07:04	WG1756476
(S) 2-Fluorophenol	*24.0*			*10.0-120*		*10/16/2021 07:04*	WG1756476
(S) Phenol-d5	*14.9*			*10.0-120*		*10/16/2021 07:04*	WG1756476
(S) Nitrobenzene-d5	*36.9*			*10.0-127*		*10/16/2021 07:04*	WG1756476
(S) 2-Fluorobiphenyl	*44.6*			*10.0-130*		*10/16/2021 07:04*	WG1756476
(S) 2,4,6-Tribromophenol	*48.5*			*10.0-155*		*10/16/2021 07:04*	WG1756476
(S) p-Terphenyl-d14	*53.7*			*10.0-128*		*10/16/2021 07:04*	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	0.0703		0.0190	0.0500	1	10/13/2021 20:40	WG1755638
Acenaphthene	0.294		0.0190	0.0500	1	10/13/2021 20:40	WG1755638
Acenaphthylene	0.112		0.0171	0.0500	1	10/13/2021 20:40	WG1755638
Benzo(a)anthracene	0.0413	J	0.0203	0.0500	1	10/13/2021 20:40	WG1755638
Benzo(a)pyrene	0.0353	J	0.0184	0.0500	1	10/13/2021 20:40	WG1755638
Benzo(b)fluoranthene	0.0586		0.0168	0.0500	1	10/13/2021 20:40	WG1755638
Benzo(g,h,i)perylene	0.0477	J	0.0184	0.0500	1	10/13/2021 20:40	WG1755638
Benzo(k)fluoranthene	0.0202	J	0.0202	0.0500	1	10/13/2021 20:40	WG1755638
Chrysene	0.0511		0.0179	0.0500	1	10/13/2021 20:40	WG1755638
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/13/2021 20:40	WG1755638
Dibenzofuran	U		0.0191	0.0500	1	10/13/2021 20:40	WG1755638
Fluoranthene	0.109		0.0270	0.100	1	10/13/2021 20:40	WG1755638
Fluorene	0.171		0.0169	0.0500	1	10/13/2021 20:40	WG1755638
Hexachlorobenzene	U		0.00670	0.0500	1	10/13/2021 20:40	WG1755638
Indeno(1,2,3-cd)pyrene	0.0388	J	0.0158	0.0500	1	10/13/2021 20:40	WG1755638
Naphthalene	0.445		0.0917	0.250	1	10/13/2021 20:40	WG1755638
Phenanthrene	0.372		0.0180	0.0500	1	10/13/2021 20:40	WG1755638
Pyrene	0.150		0.0169	0.0500	1	10/13/2021 20:40	WG1755638
1-Methylnaphthalene	0.254		0.0687	0.250	1	10/13/2021 20:40	WG1755638
2-Methylnaphthalene	0.174	J	0.0674	0.250	1	10/13/2021 20:40	WG1755638
2-Chloronaphthalene	U		0.0682	0.250	1	10/13/2021 20:40	WG1755638
(S) Nitrobenzene-d5	*96.3*			*31.0-160*		*10/13/2021 20:40*	WG1755638
(S) 2-Fluorobiphenyl	*125*			*48.0-148*		*10/13/2021 20:40*	WG1755638
(S) p-Terphenyl-d14	*145*			*37.0-146*		*10/13/2021 20:40*	WG1755638

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 09:10	WG1759994	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U	UJ	11.3	25.0	1	10/21/2021 21:57	WG1761516	
Acrylonitrile	U		0.671	5.00	1	10/21/2021 21:57	WG1761516	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 15:40	WG1758798	
Benzene	U		0.0941	0.500	1	10/21/2021 21:57	WG1761516	
Bromobenzene	U		0.118	0.500	1	10/21/2021 21:57	WG1761516	
Bromodichloromethane	U		0.136	0.500	1	10/21/2021 21:57	WG1761516	
Bromochloromethane	U		0.128	0.500	1	10/21/2021 21:57	WG1761516	
Bromoform	U		0.129	0.500	1	10/21/2021 21:57	WG1761516	
Bromomethane	U		0.605	2.50	1	10/21/2021 21:57	WG1761516	
n-Butylbenzene	U		0.157	0.500	1	10/21/2021 21:57	WG1761516	
sec-Butylbenzene	U		0.125	0.500	1	10/21/2021 21:57	WG1761516	
tert-Butylbenzene	U		0.127	0.500	1	10/21/2021 21:57	WG1761516	
Carbon disulfide	0.110	J	0.0962	0.500	1	10/21/2021 21:57	WG1761516	
Carbon tetrachloride	U		0.128	0.500	1	10/21/2021 21:57	WG1761516	
Chlorobenzene	U		0.117	0.500	1	10/21/2021 21:57	WG1761516	
Chlorodibromomethane	U		0.140	0.500	1	10/21/2021 21:57	WG1761516	
Chloroethane	U		0.192	2.50	1	10/21/2021 21:57	WG1761516	
~~2-Chloroethyl vinyl ether~~	~~U~~	~~J6~~	~~0.575~~	~~50.0~~	~~1~~	~~10/21/2021 21:57~~	WG1761516	R
Chloroform	U		0.111	0.500	1	10/21/2021 21:57	WG1761516	
Chloromethane	U		0.960	1.25	1	10/21/2021 21:57	WG1761516	
2-Chlorotoluene	U		0.106	0.500	1	10/21/2021 21:57	WG1761516	
4-Chlorotoluene	U		0.114	0.500	1	10/21/2021 21:57	WG1761516	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2021 21:57	WG1761516	
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2021 21:57	WG1761516	
Dibromomethane	U		0.122	0.500	1	10/21/2021 21:57	WG1761516	
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2021 21:57	WG1761516	
1,3-Dichlorobenzene	U	UJ J3 J4	0.299	0.500	1	10/21/2021 21:57	WG1761516	
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2021 21:57	WG1761516	
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2021 21:57	WG1761516	
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2021 21:57	WG1761516	
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2021 21:57	WG1761516	
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2021 21:57	WG1761516	
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2021 21:57	WG1761516	
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2021 21:57	WG1761516	
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2021 21:57	WG1761516	
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2021 21:57	WG1761516	
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2021 21:57	WG1761516	
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2021 21:57	WG1761516	
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2021 21:57	WG1761516	
~~trans-1,4-Dichloro-2-butene~~	~~U~~	~~C3 J4~~	~~0.467~~	~~5.00~~	~~1~~	~~10/21/2021 21:57~~	WG1761516	R
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2021 21:57	WG1761516	
Di-isopropyl ether	U		0.105	0.500	1	10/21/2021 21:57	WG1761516	
Ethylbenzene	U		0.137	0.500	1	10/21/2021 21:57	WG1761516	
Hexachloro-1,3-butadiene	U	UJ	0.337	1.00	1	10/21/2021 21:57	WG1761516	
2-Hexanone	U		0.787	5.00	1	10/21/2021 21:57	WG1761516	
n-Hexane	U		0.749	5.00	1	10/21/2021 21:57	WG1761516	
Iodomethane	U		0.554	5.00	1	10/21/2021 21:57	WG1761516	
Isopropylbenzene	U		0.105	0.500	1	10/21/2021 21:57	WG1761516	
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2021 21:57	WG1761516	
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2021 21:57	WG1761516	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier		MDL	RDL	Dilution	Analysis	Batch
	ug/l			ug/l	ug/l		date / time	
Methylene Chloride	U			0.430	2.50	1	10/21/2021 21:57	WG1761516
4-Methyl-2-pentanone (MIBK)	U			0.478	5.00	1	10/21/2021 21:57	WG1761516
Methyl tert-butyl ether	U			0.101	0.500	1	10/21/2021 21:57	WG1761516
Naphthalene	U			0.174	2.50	1	10/21/2021 21:57	WG1761516
n-Propylbenzene	U			0.0993	0.500	1	10/21/2021 21:57	WG1761516
Styrene	U			0.118	0.500	1	10/21/2021 21:57	WG1761516
1,1,1,2-Tetrachloroethane	U			0.147	0.500	1	10/21/2021 21:57	WG1761516
1,1,2,2-Tetrachloroethane	U			0.133	0.500	1	10/21/2021 21:57	WG1761516
1,1,2-Trichlorotrifluoroethane	U			0.180	0.500	1	10/21/2021 21:57	WG1761516
Tetrachloroethene	U	UJ	~~J3~~	0.300	0.500	1	10/21/2021 21:57	WG1761516
Toluene	U			0.278	0.500	1	10/21/2021 21:57	WG1761516
1,2,3-Trichlorobenzene	U	UJ		0.164	0.500	1	10/21/2021 21:57	WG1761516
1,2,4-Trichlorobenzene	U			0.481	1.00	1	10/21/2021 21:57	WG1761516
1,1,1-Trichloroethane	U			0.149	0.500	1	10/21/2021 21:57	WG1761516
1,1,2-Trichloroethane	U			0.158	0.500	1	10/21/2021 21:57	WG1761516
Trichloroethene	U			0.190	0.500	1	10/21/2021 21:57	WG1761516
Trichlorofluoromethane	U			0.160	2.50	1	10/21/2021 21:57	WG1761516
1,2,3-Trichloropropane	U			0.237	2.50	1	10/21/2021 21:57	WG1761516
1,2,4-Trimethylbenzene	U			0.322	0.500	1	10/21/2021 21:57	WG1761516
1,2,3-Trimethylbenzene	U			0.104	0.500	1	10/21/2021 21:57	WG1761516
1,3,5-Trimethylbenzene	U	UJ	~~J3~~	0.104	0.500	1	10/21/2021 21:57	WG1761516
Vinyl acetate	U	UJ	~~C3~~	0.692	5.00	1	10/21/2021 21:57	WG1761516
Vinyl chloride	U	UJ		0.234	0.500	1	10/21/2021 21:57	WG1761516
Xylenes, Total	U			0.174	1.50	1	10/21/2021 21:57	WG1761516
(S) Toluene-d8	*104*				*80.0-120*		*10/21/2021 21:57*	WG1761516
(S) 4-Bromofluorobenzene	*102*				*77.0-126*		*10/21/2021 21:57*	WG1761516
(S) 1,2-Dichloroethane-d4	*107*				*70.0-130*		*10/21/2021 21:57*	WG1761516

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/15/2021 00:49	WG1756476
Atrazine	U		0.255	10.0	1	10/15/2021 00:49	WG1756476
Benzaldehyde	U		1.69	10.0	1	10/15/2021 00:49	WG1756476
Biphenyl	U		0.790	10.0	1	10/15/2021 00:49	WG1756476
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/15/2021 00:49	WG1756476
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/15/2021 00:49	WG1756476
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/15/2021 00:49	WG1756476
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/15/2021 00:49	WG1756476
Caprolactam	0.649	J	0.309	10.0	1	10/15/2021 00:49	WG1756476
Carbazole	U		0.111	10.0	1	10/15/2021 00:49	WG1756476
4-Chloroaniline	U		0.234	5.00	1	10/15/2021 00:49	WG1756476
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/15/2021 00:49	WG1756476
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/15/2021 00:49	WG1756476
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/15/2021 00:49	WG1756476
2,6-Dinitrotoluene	U		0.250	5.00	1	10/15/2021 00:49	WG1756476
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/15/2021 00:49	WG1756476
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/15/2021 00:49	WG1756476
Hexachloroethane	U		0.127	5.00	1	10/15/2021 00:49	WG1756476
Isophorone	U		0.143	10.0	1	10/15/2021 00:49	WG1756476
2-Nitroaniline	U		0.102	10.0	1	10/15/2021 00:49	WG1756476
3-Nitroaniline	U		0.0869	5.00	1	10/15/2021 00:49	WG1756476
4-Nitroaniline	U		0.0910	5.00	1	10/15/2021 00:49	WG1756476
Nitrobenzene	U		0.297	10.0	1	10/15/2021 00:49	WG1756476
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/15/2021 00:49	WG1756476
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/15/2021 00:49	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/15/2021 00:49	WG1756476
Bis(2-ethylhexyl)phthalate	1.02	J	0.895	3.00	1	10/15/2021 00:49	WG1756476
Di-n-butyl phthalate	U		0.453	3.00	1	10/15/2021 00:49	WG1756476
Diethyl phthalate	U		0.287	3.00	1	10/15/2021 00:49	WG1756476
Dimethyl phthalate	U		0.260	3.00	1	10/15/2021 00:49	WG1756476
Di-n-octyl phthalate	U		0.932	3.00	1	10/15/2021 00:49	WG1756476
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/15/2021 00:49	WG1756476
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/15/2021 00:49	WG1756476
2-Chlorophenol	U		0.133	1.00	1	10/15/2021 00:49	WG1756476
2-Methylphenol	U		0.0929	1.00	1	10/15/2021 00:49	WG1756476
3&4-Methyl Phenol	U		0.168	1.00	1	10/15/2021 00:49	WG1756476
2,4-Dichlorophenol	U		0.102	5.00	1	10/15/2021 00:49	WG1756476
2,4-Dimethylphenol	U		0.0636	10.0	1	10/15/2021 00:49	WG1756476
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/15/2021 00:49	WG1756476
2,4-Dinitrophenol	U		5.93	10.0	1	10/15/2021 00:49	WG1756476
2-Nitrophenol	U		0.117	10.0	1	10/15/2021 00:49	WG1756476
4-Nitrophenol	U	~~J4~~	0.143	10.0	1	10/15/2021 00:49	WG1756476
Pentachlorophenol	U		0.313	1.00	1	10/15/2021 00:49	WG1756476
Phenol	U		4.33	10.0	1	10/15/2021 00:49	WG1756476
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/15/2021 00:49	WG1756476
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/15/2021 00:49	WG1756476
(S) 2-Fluorophenol	*19.4*			*10.0-120*		*10/15/2021 00:49*	WG1756476
(S) Phenol-d5	*12.1*			*10.0-120*		*10/15/2021 00:49*	WG1756476
(S) Nitrobenzene-d5	*43.0*			*10.0-127*		*10/15/2021 00:49*	WG1756476
(S) 2-Fluorobiphenyl	*41.6*			*10.0-130*		*10/15/2021 00:49*	WG1756476
(S) 2,4,6-Tribromophenol	*48.5*			*10.0-155*		*10/15/2021 00:49*	WG1756476
(S) p-Terphenyl-d14	*51.8*			*10.0-128*		*10/15/2021 00:49*	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U	~~J3~~	0.0190	0.0500	1	10/14/2021 08:13	WG1756461
Acenaphthene	U	~~J3~~	0.0190	0.0500	1	10/14/2021 08:13	WG1756461
Acenaphthylene	U	~~J3~~	0.0171	0.0500	1	10/14/2021 08:13	WG1756461
Benzo(a)anthracene	U	~~J3~~	0.0203	0.0500	1	10/14/2021 08:13	WG1756461
Benzo(a)pyrene	U	~~J3~~	0.0184	0.0500	1	10/14/2021 08:13	WG1756461
Benzo(b)fluoranthene	0.0203 J	~~J J3~~	0.0168	0.0500	1	10/14/2021 08:13	WG1756461
Benzo(g,h,i)perylene	U	~~J3~~	0.0184	0.0500	1	10/14/2021 08:13	WG1756461
Benzo(k)fluoranthene	U	~~J3~~	0.0202	0.0500	1	10/14/2021 08:13	WG1756461
Chrysene	U	~~J3~~	0.0179	0.0500	1	10/14/2021 08:13	WG1756461
Dibenz(a,h)anthracene	U	~~J3~~	0.0160	0.0500	1	10/14/2021 08:13	WG1756461
Dibenzofuran	U	~~J3~~	0.0191	0.0500	1	10/14/2021 08:13	WG1756461
Fluoranthene	U	~~J3~~	0.0270	0.100	1	10/14/2021 08:13	WG1756461
Fluorene	U	~~J3~~	0.0169	0.0500	1	10/14/2021 08:13	WG1756461
Hexachlorobenzene	U	~~J3~~	0.00670	0.0500	1	10/14/2021 08:13	WG1756461
Indeno(1,2,3-cd)pyrene	U	~~J3~~	0.0158	0.0500	1	10/14/2021 08:13	WG1756461
Naphthalene	U	~~J3~~	0.0917	0.250	1	10/14/2021 08:13	WG1756461
Phenanthrene	U	~~J3~~	0.0180	0.0500	1	10/14/2021 08:13	WG1756461
Pyrene	0.0202 J	~~J J3~~	0.0169	0.0500	1	10/14/2021 08:13	WG1756461
1-Methylnaphthalene	U	~~J3~~	0.0687	0.250	1	10/14/2021 08:13	WG1756461
2-Methylnaphthalene	U	~~J3~~	0.0674	0.250	1	10/14/2021 08:13	WG1756461
2-Chloronaphthalene	U	~~J3~~	0.0682	0.250	1	10/14/2021 08:13	WG1756461
(S) Nitrobenzene-d5	*102*			*31.0-160*		*10/14/2021 08:13*	WG1756461
(S) 2-Fluorobiphenyl	*119*			*48.0-148*		*10/14/2021 08:13*	WG1756461
(S) p-Terphenyl-d14	*139*			*37.0-146*		*10/14/2021 08:13*	WG1756461

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:36	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		11.3	25.0	1	10/15/2021 02:25	WG1757539	
Acrylonitrile	U		0.671	5.00	1	10/15/2021 02:25	WG1757539	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 16:03	WG1758798	
Benzene	U	J4	0.0941	0.500	1	10/15/2021 02:25	WG1757539	
Bromobenzene	U		0.118	0.500	1	10/15/2021 02:25	WG1757539	
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 02:25	WG1757539	
Bromochloromethane	U		0.128	0.500	1	10/15/2021 02:25	WG1757539	
Bromoform	U		0.129	0.500	1	10/15/2021 02:25	WG1757539	
Bromomethane	U	UJ	0.605	2.50	1	10/15/2021 02:25	WG1757539	
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 02:25	WG1757539	
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 02:25	WG1757539	
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 02:25	WG1757539	
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 02:25	WG1757539	
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 02:25	WG1757539	
Chlorobenzene	U		0.117	0.500	1	10/15/2021 02:25	WG1757539	
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 02:25	WG1757539	
Chloroethane	U		0.192	2.50	1	10/15/2021 02:25	WG1757539	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/15/2021 02:25~~	WG1757539	R
Chloroform	U	UJ	J4	0.111	0.500	1	10/15/2021 02:25	WG1757539
Chloromethane	U		0.960	1.25	1	10/15/2021 02:25	WG1757539	
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 02:25	WG1757539	
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 02:25	WG1757539	
1,2-Dibromo-3-Chloropropane	U	UJ	C3	0.276	2.50	1	10/15/2021 02:25	WG1757539
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 02:25	WG1757539	
Dibromomethane	U		J4	0.122	0.500	1	10/15/2021 02:25	WG1757539
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 02:25	WG1757539	
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 02:25	WG1757539	
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 02:25	WG1757539	
Dichlorodifluoromethane	U	UJ	0.374	2.50	1	10/15/2021 02:25	WG1757539	
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 02:25	WG1757539	
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 02:25	WG1757539	
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 02:25	WG1757539	
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 02:25	WG1757539	
trans-1,2-Dichloroethene	U		J4	0.149	0.500	1	10/15/2021 02:25	WG1757539
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 02:25	WG1757539	
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 02:25	WG1757539	
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 02:25	WG1757539	
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 02:25	WG1757539	
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 02:25	WG1757539	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 02:25	WG1757539	
2,2-Dichloropropane	U	UJ	J4	0.161	0.500	1	10/15/2021 02:25	WG1757539
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 02:25	WG1757539	
Ethylbenzene	U		0.137	0.500	1	10/15/2021 02:25	WG1757539	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 02:25	WG1757539	
2-Hexanone	U		0.787	5.00	1	10/15/2021 02:25	WG1757539	
n-Hexane	U		0.749	5.00	1	10/15/2021 02:25	WG1757539	
Iodomethane	U		0.554	5.00	1	10/15/2021 02:25	WG1757539	
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 02:25	WG1757539	
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 02:25	WG1757539	
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 02:25	WG1757539	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/15/2021 02:25	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 02:25	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 02:25	WG1757539
Naphthalene	U	UJ C3	0.174	2.50	1	10/15/2021 02:25	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 02:25	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 02:25	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 02:25	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 02:25	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 02:25	WG1757539
Tetrachloroethene	0.508		0.300	0.500	1	10/15/2021 02:25	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 02:25	WG1757539
1,2,3-Trichlorobenzene	U	UJ C3	0.164	0.500	1	10/15/2021 02:25	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 02:25	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 02:25	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 02:25	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 02:25	WG1757539
Trichlorofluoromethane	U	UJ	0.160	2.50	1	10/15/2021 02:25	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 02:25	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 02:25	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 02:25	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 02:25	WG1757539
Vinyl acetate	U	UJ	0.692	5.00	1	10/15/2021 02:25	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 02:25	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 02:25	WG1757539
(S) Toluene-d8	*96.0*			*80.0-120*		*10/15/2021 02:25*	WG1757539
(S) 4-Bromofluorobenzene	*98.4*			*77.0-126*		*10/15/2021 02:25*	WG1757539
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*10/15/2021 02:25*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	U		0.0447	0.400	1	10/12/2021 21:18	WG1754916
(S) Nitrobenzene-d5	*56.5*			*10.0-120*		*10/12/2021 21:18*	WG1754916

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/13/2021 16:04	WG1755648
Atrazine	U		0.255	10.0	1	10/13/2021 16:04	WG1755648
Benzaldehyde	U		1.69	10.0	1	10/13/2021 16:04	WG1755648
Biphenyl	U		0.790	10.0	1	10/13/2021 16:04	WG1755648
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/13/2021 16:04	WG1755648
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/13/2021 16:04	WG1755648
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/13/2021 16:04	WG1755648
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/13/2021 16:04	WG1755648
Caprolactam	5.70	J	0.309	10.0	1	10/13/2021 16:04	WG1755648
Carbazole	U		0.111	10.0	1	10/13/2021 16:04	WG1755648
4-Chloroaniline	U		0.234	5.00	1	10/13/2021 16:04	WG1755648
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/13/2021 16:04	WG1755648
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/13/2021 16:04	WG1755648
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/13/2021 16:04	WG1755648
2,6-Dinitrotoluene	U		0.250	5.00	1	10/13/2021 16:04	WG1755648
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/13/2021 16:04	WG1755648
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/13/2021 16:04	WG1755648
Hexachloroethane	U		0.127	5.00	1	10/13/2021 16:04	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isophorone	U		0.143	10.0	1	10/13/2021 16:04	WG1755648
2-Nitroaniline	U		0.102	10.0	1	10/13/2021 16:04	WG1755648
3-Nitroaniline	U		0.0869	5.00	1	10/13/2021 16:04	WG1755648
4-Nitroaniline	U		0.0910	5.00	1	10/13/2021 16:04	WG1755648
Nitrobenzene	U		0.297	10.0	1	10/13/2021 16:04	WG1755648
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/13/2021 16:04	WG1755648
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/13/2021 16:04	WG1755648
Benzylbutyl phthalate	U		0.765	3.00	1	10/13/2021 16:04	WG1755648
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/13/2021 16:04	WG1755648
Di-n-butyl phthalate	U		0.453	3.00	1	10/13/2021 16:04	WG1755648
Diethyl phthalate	U		0.287	3.00	1	10/13/2021 16:04	WG1755648
Dimethyl phthalate	U		0.260	3.00	1	10/13/2021 16:04	WG1755648
Di-n-octyl phthalate	U		0.932	3.00	1	10/13/2021 16:04	WG1755648
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/13/2021 16:04	WG1755648
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/13/2021 16:04	WG1755648
2-Chlorophenol	U		0.133	1.00	1	10/13/2021 16:04	WG1755648
2-Methylphenol	U		0.0929	1.00	1	10/13/2021 16:04	WG1755648
3&4-Methyl Phenol	U		0.168	1.00	1	10/13/2021 16:04	WG1755648
2,4-Dichlorophenol	U		0.102	5.00	1	10/13/2021 16:04	WG1755648
2,4-Dimethylphenol	U		0.0636	10.0	1	10/13/2021 16:04	WG1755648
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/13/2021 16:04	WG1755648
2,4-Dinitrophenol	U		5.93	10.0	1	10/13/2021 16:04	WG1755648
2-Nitrophenol	U		0.117	10.0	1	10/13/2021 16:04	WG1755648
4-Nitrophenol	U		0.143	10.0	1	10/13/2021 16:04	WG1755648
Pentachlorophenol	U		0.313	1.00	1	10/13/2021 16:04	WG1755648
Phenol	U		4.33	10.0	1	10/13/2021 16:04	WG1755648
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/13/2021 16:04	WG1755648
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/13/2021 16:04	WG1755648
(S) 2-Fluorophenol	*20.1*			*10.0-120*		*10/13/2021 16:04*	WG1755648
(S) Phenol-d5	*13.9*			*10.0-120*		*10/13/2021 16:04*	WG1755648
(S) Nitrobenzene-d5	*33.8*			*10.0-127*		*10/13/2021 16:04*	WG1755648
(S) 2-Fluorobiphenyl	*43.8*			*10.0-130*		*10/13/2021 16:04*	WG1755648
(S) 2,4,6-Tribromophenol	*37.1*			*10.0-155*		*10/13/2021 16:04*	WG1755648
(S) p-Terphenyl-d14	*51.1*			*10.0-128*		*10/13/2021 16:04*	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/13/2021 19:53	WG1755637
Acenaphthene	U		0.0190	0.0500	1	10/13/2021 19:53	WG1755637
Acenaphthylene	U		0.0171	0.0500	1	10/13/2021 19:53	WG1755637
Benzo(a)anthracene	U		0.0203	0.0500	1	10/13/2021 19:53	WG1755637
Benzo(a)pyrene	U		0.0184	0.0500	1	10/13/2021 19:53	WG1755637
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/13/2021 19:53	WG1755637
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/13/2021 19:53	WG1755637
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/13/2021 19:53	WG1755637
Chrysene	U		0.0179	0.0500	1	10/13/2021 19:53	WG1755637
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/13/2021 19:53	WG1755637
Dibenzofuran	U		0.0191	0.0500	1	10/13/2021 19:53	WG1755637
Fluoranthene	U		0.0270	0.100	1	10/13/2021 19:53	WG1755637
Fluorene	U		0.0169	0.0500	1	10/13/2021 19:53	WG1755637
Hexachlorobenzene	U		0.00670	0.0500	1	10/13/2021 19:53	WG1755637
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/13/2021 19:53	WG1755637
Naphthalene	U		0.0917	0.250	1	10/13/2021 19:53	WG1755637
Phenanthrene	U		0.0180	0.0500	1	10/13/2021 19:53	WG1755637
Pyrene	U		0.0169	0.0500	1	10/13/2021 19:53	WG1755637

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1-Methylnaphthalene	U		0.0687	0.250	1	10/13/2021 19:53	WG1755637
2-Methylnaphthalene	U		0.0674	0.250	1	10/13/2021 19:53	WG1755637
2-Chloronaphthalene	U		0.0682	0.250	1	10/13/2021 19:53	WG1755637
(S) Nitrobenzene-d5	*130*			*31.0-160*		*10/13/2021 19:53*	WG1755637
(S) 2-Fluorobiphenyl	*124*			*48.0-148*		*10/13/2021 19:53*	WG1755637
(S) p-Terphenyl-d14	*154*	J1		*37.0-146*		*10/13/2021 19:53*	WG1755637

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:39	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		11.3	25.0	1	10/15/2021 02:44	WG1757539	
Acrylonitrile	U		0.671	5.00	1	10/15/2021 02:44	WG1757539	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 16:27	WG1758798	
Benzene	U	~~J4~~	0.0941	0.500	1	10/15/2021 02:44	WG1757539	
Bromobenzene	U		0.118	0.500	1	10/15/2021 02:44	WG1757539	
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 02:44	WG1757539	
Bromochloromethane	U		0.128	0.500	1	10/15/2021 02:44	WG1757539	
Bromoform	U		0.129	0.500	1	10/15/2021 02:44	WG1757539	
Bromomethane	U	UJ	0.605	2.50	1	10/15/2021 02:44	WG1757539	
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 02:44	WG1757539	
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 02:44	WG1757539	
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 02:44	WG1757539	
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 02:44	WG1757539	
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 02:44	WG1757539	
Chlorobenzene	U		0.117	0.500	1	10/15/2021 02:44	WG1757539	
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 02:44	WG1757539	
Chloroethane	U		0.192	2.50	1	10/15/2021 02:44	WG1757539	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/15/2021 02:44~~	~~WG1757539~~	R
Chloroform	0.352	J	~~J~~ J4	0.111	0.500	1	10/15/2021 02:44	WG1757539	
Chloromethane	U			0.960	1.25	1	10/15/2021 02:44	WG1757539	
2-Chlorotoluene	U			0.106	0.500	1	10/15/2021 02:44	WG1757539	
4-Chlorotoluene	U			0.114	0.500	1	10/15/2021 02:44	WG1757539	
1,2-Dibromo-3-Chloropropane	U	UJ	~~C3~~	0.276	2.50	1	10/15/2021 02:44	WG1757539	
1,2-Dibromoethane	U			0.126	0.500	1	10/15/2021 02:44	WG1757539	
Dibromomethane	U		~~J4~~	0.122	0.500	1	10/15/2021 02:44	WG1757539	
1,2-Dichlorobenzene	U			0.107	0.500	1	10/15/2021 02:44	WG1757539	
1,3-Dichlorobenzene	U			0.299	0.500	1	10/15/2021 02:44	WG1757539	
1,4-Dichlorobenzene	U			0.120	0.500	1	10/15/2021 02:44	WG1757539	
Dichlorodifluoromethane	U	UJ		0.374	2.50	1	10/15/2021 02:44	WG1757539	
1,1-Dichloroethane	U			0.100	0.500	1	10/15/2021 02:44	WG1757539	
1,2-Dichloroethane	U			0.0819	0.500	1	10/15/2021 02:44	WG1757539	
1,1-Dichloroethene	U			0.188	0.500	1	10/15/2021 02:44	WG1757539	
cis-1,2-Dichloroethene	U			0.126	0.500	1	10/15/2021 02:44	WG1757539	
trans-1,2-Dichloroethene	U		~~J4~~	0.149	0.500	1	10/15/2021 02:44	WG1757539	
1,2-Dichloropropane	0.243		J	0.149	0.500	1	10/15/2021 02:44	WG1757539	
1,1-Dichloropropene	U			0.142	0.500	1	10/15/2021 02:44	WG1757539	
1,3-Dichloropropane	U			0.109	1.00	1	10/15/2021 02:44	WG1757539	
cis-1,3-Dichloropropene	U			0.111	0.500	1	10/15/2021 02:44	WG1757539	
trans-1,3-Dichloropropene	U			0.118	0.500	1	10/15/2021 02:44	WG1757539	
trans-1,4-Dichloro-2-butene	U			0.467	5.00	1	10/15/2021 02:44	WG1757539	
2,2-Dichloropropane	U	UJ	~~J4~~	0.161	0.500	1	10/15/2021 02:44	WG1757539	
Di-isopropyl ether	U			0.105	0.500	1	10/15/2021 02:44	WG1757539	
Ethylbenzene	U			0.137	0.500	1	10/15/2021 02:44	WG1757539	
Hexachloro-1,3-butadiene	4.14			0.337	1.00	1	10/15/2021 02:44	WG1757539	
2-Hexanone	U			0.787	5.00	1	10/15/2021 02:44	WG1757539	
n-Hexane	U			0.749	5.00	1	10/15/2021 02:44	WG1757539	
Iodomethane	U			0.554	5.00	1	10/15/2021 02:44	WG1757539	
Isopropylbenzene	U			0.105	0.500	1	10/15/2021 02:44	WG1757539	
p-Isopropyltoluene	U			0.120	0.500	1	10/15/2021 02:44	WG1757539	
2-Butanone (MEK)	U			1.19	5.00	1	10/15/2021 02:44	WG1757539	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/15/2021 02:44	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 02:44	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 02:44	WG1757539
Naphthalene	U	UJ C3	0.174	2.50	1	10/15/2021 02:44	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 02:44	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 02:44	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 02:44	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 02:44	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 02:44	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 02:44	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 02:44	WG1757539
1,2,3-Trichlorobenzene	U	UJ C3	0.164	0.500	1	10/15/2021 02:44	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 02:44	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 02:44	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 02:44	WG1757539
Trichloroethene	2.71		0.190	0.500	1	10/15/2021 02:44	WG1757539
Trichlorofluoromethane	U	UJ	0.160	2.50	1	10/15/2021 02:44	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 02:44	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 02:44	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 02:44	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 02:44	WG1757539
Vinyl acetate	U	UJ	0.692	5.00	1	10/15/2021 02:44	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 02:44	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 02:44	WG1757539
(S) Toluene-d8	*98.2*			*80.0-120*		*10/15/2021 02:44*	WG1757539
(S) 4-Bromofluorobenzene	*92.6*			*77.0-126*		*10/15/2021 02:44*	WG1757539
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*10/15/2021 02:44*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	1.43		0.0447	0.400	1	10/12/2021 21:38	WG1754916
(S) Nitrobenzene-d5	*57.6*			*10.0-120*		*10/12/2021 21:38*	WG1754916

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/13/2021 16:25	WG1755648
Atrazine	U		0.255	10.0	1	10/13/2021 16:25	WG1755648
Benzaldehyde	U		1.69	10.0	1	10/13/2021 16:25	WG1755648
Biphenyl	U		0.790	10.0	1	10/13/2021 16:25	WG1755648
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/13/2021 16:25	WG1755648
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/13/2021 16:25	WG1755648
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/13/2021 16:25	WG1755648
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/13/2021 16:25	WG1755648
Caprolactam	0.833	J	0.309	10.0	1	10/13/2021 16:25	WG1755648
Carbazole	U		0.111	10.0	1	10/13/2021 16:25	WG1755648
4-Chloroaniline	U		0.234	5.00	1	10/13/2021 16:25	WG1755648
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/13/2021 16:25	WG1755648
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/13/2021 16:25	WG1755648
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/13/2021 16:25	WG1755648
2,6-Dinitrotoluene	U		0.250	5.00	1	10/13/2021 16:25	WG1755648
Hexachloro-1,3-butadiene	1.59	J	0.0968	10.0	1	10/13/2021 16:25	WG1755648
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/13/2021 16:25	WG1755648
Hexachloroethane	U		0.127	5.00	1	10/13/2021 16:25	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Isophorone	U		0.143	10.0	1	10/13/2021 16:25	WG1755648
2-Nitroaniline	U		0.102	10.0	1	10/13/2021 16:25	WG1755648
3-Nitroaniline	U		0.0869	5.00	1	10/13/2021 16:25	WG1755648
4-Nitroaniline	U		0.0910	5.00	1	10/13/2021 16:25	WG1755648
Nitrobenzene	U		0.297	10.0	1	10/13/2021 16:25	WG1755648
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/13/2021 16:25	WG1755648
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/13/2021 16:25	WG1755648
Benzylbutyl phthalate	U		0.765	3.00	1	10/13/2021 16:25	WG1755648
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/13/2021 16:25	WG1755648
Di-n-butyl phthalate	U		0.453	3.00	1	10/13/2021 16:25	WG1755648
Diethyl phthalate	U		0.287	3.00	1	10/13/2021 16:25	WG1755648
Dimethyl phthalate	U		0.260	3.00	1	10/13/2021 16:25	WG1755648
Di-n-octyl phthalate	U		0.932	3.00	1	10/13/2021 16:25	WG1755648
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/13/2021 16:25	WG1755648
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/13/2021 16:25	WG1755648
2-Chlorophenol	U		0.133	1.00	1	10/13/2021 16:25	WG1755648
2-Methylphenol	U		0.0929	1.00	1	10/13/2021 16:25	WG1755648
3&4-Methyl Phenol	U		0.168	1.00	1	10/13/2021 16:25	WG1755648
2,4-Dichlorophenol	U		0.102	5.00	1	10/13/2021 16:25	WG1755648
2,4-Dimethylphenol	U		0.0636	10.0	1	10/13/2021 16:25	WG1755648
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/13/2021 16:25	WG1755648
2,4-Dinitrophenol	U		5.93	10.0	1	10/13/2021 16:25	WG1755648
2-Nitrophenol	U		0.117	10.0	1	10/13/2021 16:25	WG1755648
4-Nitrophenol	U		0.143	10.0	1	10/13/2021 16:25	WG1755648
Pentachlorophenol	U		0.313	1.00	1	10/13/2021 16:25	WG1755648
Phenol	U		4.33	10.0	1	10/13/2021 16:25	WG1755648
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/13/2021 16:25	WG1755648
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/13/2021 16:25	WG1755648
(S) 2-Fluorophenol	*21.8*			*10.0-120*		*10/13/2021 16:25*	WG1755648
(S) Phenol-d5	*16.1*			*10.0-120*		*10/13/2021 16:25*	WG1755648
(S) Nitrobenzene-d5	*37.3*			*10.0-127*		*10/13/2021 16:25*	WG1755648
(S) 2-Fluorobiphenyl	*46.4*			*10.0-130*		*10/13/2021 16:25*	WG1755648
(S) 2,4,6-Tribromophenol	*37.0*			*10.0-155*		*10/13/2021 16:25*	WG1755648
(S) p-Terphenyl-d14	*51.9*			*10.0-128*		*10/13/2021 16:25*	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	10/13/2021 20:11	WG1755637
Acenaphthene	U		0.0190	0.0500	1	10/13/2021 20:11	WG1755637
Acenaphthylene	U		0.0171	0.0500	1	10/13/2021 20:11	WG1755637
Benzo(a)anthracene	U		0.0203	0.0500	1	10/13/2021 20:11	WG1755637
Benzo(a)pyrene	U		0.0184	0.0500	1	10/13/2021 20:11	WG1755637
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/13/2021 20:11	WG1755637
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/13/2021 20:11	WG1755637
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/13/2021 20:11	WG1755637
Chrysene	U		0.0179	0.0500	1	10/13/2021 20:11	WG1755637
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/13/2021 20:11	WG1755637
Dibenzofuran	U		0.0191	0.0500	1	10/13/2021 20:11	WG1755637
Fluoranthene	U		0.0270	0.100	1	10/13/2021 20:11	WG1755637
Fluorene	U		0.0169	0.0500	1	10/13/2021 20:11	WG1755637
Hexachlorobenzene	U		0.00670	0.0500	1	10/13/2021 20:11	WG1755637
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/13/2021 20:11	WG1755637
Naphthalene	U		0.0917	0.250	1	10/13/2021 20:11	WG1755637
Phenanthrene	U		0.0180	0.0500	1	10/13/2021 20:11	WG1755637
Pyrene	U		0.0169	0.0500	1	10/13/2021 20:11	WG1755637

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1-Methylnaphthalene	U		0.0687	0.250	1	10/13/2021 20:11	WG1755637
2-Methylnaphthalene	U		0.0674	0.250	1	10/13/2021 20:11	WG1755637
2-Chloronaphthalene	U		0.0682	0.250	1	10/13/2021 20:11	WG1755637
(S) Nitrobenzene-d5	*135*			*31.0-160*		*10/13/2021 20:11*	WG1755637
(S) 2-Fluorobiphenyl	*131*			*48.0-148*		*10/13/2021 20:11*	WG1755637
(S) p-Terphenyl-d14	*161*	J1		*37.0-146*		*10/13/2021 20:11*	WG1755637

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:42	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		11.3	25.0	1	10/15/2021 03:04	WG1757539	
Acrylonitrile	U		0.671	5.00	1	10/15/2021 03:04	WG1757539	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 16:50	WG1758798	
Benzene	U	J4	0.0941	0.500	1	10/15/2021 03:04	WG1757539	
Bromobenzene	U		0.118	0.500	1	10/15/2021 03:04	WG1757539	
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 03:04	WG1757539	
Bromochloromethane	U		0.128	0.500	1	10/15/2021 03:04	WG1757539	
Bromoform	U		0.129	0.500	1	10/15/2021 03:04	WG1757539	
Bromomethane	U	UJ	0.605	2.50	1	10/15/2021 03:04	WG1757539	
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 03:04	WG1757539	
sec-Butylbenzene	0.128	J	0.125	0.500	1	10/15/2021 03:04	WG1757539	
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 03:04	WG1757539	
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 03:04	WG1757539	
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 03:04	WG1757539	
Chlorobenzene	U		0.117	0.500	1	10/15/2021 03:04	WG1757539	
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 03:04	WG1757539	
Chloroethane	U		0.192	2.50	1	10/15/2021 03:04	WG1757539	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/15/2021 03:04~~	WG1757539	R
Chloroform	U	UJ J4	0.111	0.500	1	10/15/2021 03:04	WG1757539	
Chloromethane	U		0.960	1.25	1	10/15/2021 03:04	WG1757539	
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 03:04	WG1757539	
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 03:04	WG1757539	
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.276	2.50	1	10/15/2021 03:04	WG1757539	
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 03:04	WG1757539	
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 03:04	WG1757539	
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 03:04	WG1757539	
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 03:04	WG1757539	
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 03:04	WG1757539	
Dichlorodifluoromethane	U	UJ	0.374	2.50	1	10/15/2021 03:04	WG1757539	
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 03:04	WG1757539	
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 03:04	WG1757539	
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 03:04	WG1757539	
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 03:04	WG1757539	
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 03:04	WG1757539	
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 03:04	WG1757539	
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 03:04	WG1757539	
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 03:04	WG1757539	
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 03:04	WG1757539	
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 03:04	WG1757539	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 03:04	WG1757539	
2,2-Dichloropropane	U	UJ J4	0.161	0.500	1	10/15/2021 03:04	WG1757539	
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 03:04	WG1757539	
Ethylbenzene	U		0.137	0.500	1	10/15/2021 03:04	WG1757539	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 03:04	WG1757539	
2-Hexanone	U		0.787	5.00	1	10/15/2021 03:04	WG1757539	
n-Hexane	U		0.749	5.00	1	10/15/2021 03:04	WG1757539	
Iodomethane	U		0.554	5.00	1	10/15/2021 03:04	WG1757539	
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 03:04	WG1757539	
p-Isopropyltoluene	0.824		0.120	0.500	1	10/15/2021 03:04	WG1757539	
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 03:04	WG1757539	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/15/2021 03:04	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 03:04	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 03:04	WG1757539
Naphthalene	0.216 J	~~C3 J~~	0.174	2.50	1	10/15/2021 03:04	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 03:04	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 03:04	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 03:04	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 03:04	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 03:04	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 03:04	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 03:04	WG1757539
1,2,3-Trichlorobenzene	U UJ	~~C3~~	0.164	0.500	1	10/15/2021 03:04	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 03:04	WG1757539
1,1,1-Trichloroethane	U UJ	~~J4~~	0.149	0.500	1	10/15/2021 03:04	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 03:04	WG1757539
Trichloroethene	0.234	J	0.190	0.500	1	10/15/2021 03:04	WG1757539
Trichlorofluoromethane	U		0.160	2.50	1	10/15/2021 03:04	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 03:04	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 03:04	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 03:04	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 03:04	WG1757539
Vinyl acetate	U UJ		0.692	5.00	1	10/15/2021 03:04	WG1757539
Vinyl chloride	U	~~J4~~	0.234	0.500	1	10/15/2021 03:04	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 03:04	WG1757539
(S) Toluene-d8	*101*			*80.0-120*		*10/15/2021 03:04*	WG1757539
(S) 4-Bromofluorobenzene	*98.7*			*77.0-126*		*10/15/2021 03:04*	WG1757539
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*10/15/2021 03:04*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/13/2021 22:48	WG1755648
Atrazine	U		0.255	10.0	1	10/13/2021 22:48	WG1755648
Benzaldehyde	U		1.69	10.0	1	10/13/2021 22:48	WG1755648
Biphenyl	U		0.790	10.0	1	10/13/2021 22:48	WG1755648
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/13/2021 22:48	WG1755648
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/13/2021 22:48	WG1755648
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/13/2021 22:48	WG1755648
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/13/2021 22:48	WG1755648
Caprolactam	2.30	J	0.309	10.0	1	10/13/2021 22:48	WG1755648
Carbazole	U		0.111	10.0	1	10/13/2021 22:48	WG1755648
4-Chloroaniline	U		0.234	5.00	1	10/13/2021 22:48	WG1755648
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/13/2021 22:48	WG1755648
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/13/2021 22:48	WG1755648
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/13/2021 22:48	WG1755648
2,6-Dinitrotoluene	U		0.250	5.00	1	10/13/2021 22:48	WG1755648
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/13/2021 22:48	WG1755648
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/13/2021 22:48	WG1755648
Hexachloroethane	U		0.127	5.00	1	10/13/2021 22:48	WG1755648
Isophorone	U		0.143	10.0	1	10/13/2021 22:48	WG1755648
2-Nitroaniline	U		0.102	10.0	1	10/13/2021 22:48	WG1755648
3-Nitroaniline	U		0.0869	5.00	1	10/13/2021 22:48	WG1755648
4-Nitroaniline	U		0.0910	5.00	1	10/13/2021 22:48	WG1755648
Nitrobenzene	U		0.297	10.0	1	10/13/2021 22:48	WG1755648
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/13/2021 22:48	WG1755648
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/13/2021 22:48	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/13/2021 22:48	WG1755648
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/13/2021 22:48	WG1755648
Di-n-butyl phthalate	U		0.453	3.00	1	10/13/2021 22:48	WG1755648
Diethyl phthalate	U		0.287	3.00	1	10/13/2021 22:48	WG1755648
Dimethyl phthalate	U		0.260	3.00	1	10/13/2021 22:48	WG1755648
Di-n-octyl phthalate	U		0.932	3.00	1	10/13/2021 22:48	WG1755648
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/13/2021 22:48	WG1755648
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/13/2021 22:48	WG1755648
2-Chlorophenol	U		0.133	1.00	1	10/13/2021 22:48	WG1755648
2-Methylphenol	U		0.0929	1.00	1	10/13/2021 22:48	WG1755648
3&4-Methyl Phenol	U		0.168	1.00	1	10/13/2021 22:48	WG1755648
2,4-Dichlorophenol	U		0.102	5.00	1	10/13/2021 22:48	WG1755648
2,4-Dimethylphenol	U		0.0636	10.0	1	10/13/2021 22:48	WG1755648
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/13/2021 22:48	WG1755648
2,4-Dinitrophenol	U		5.93	10.0	1	10/13/2021 22:48	WG1755648
2-Nitrophenol	U		0.117	10.0	1	10/13/2021 22:48	WG1755648
4-Nitrophenol	U		0.143	10.0	1	10/13/2021 22:48	WG1755648
Pentachlorophenol	U		0.313	1.00	1	10/13/2021 22:48	WG1755648
Phenol	U		4.33	10.0	1	10/13/2021 22:48	WG1755648
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/13/2021 22:48	WG1755648
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/13/2021 22:48	WG1755648
(S) 2-Fluorophenol	*18.7*			*10.0-120*		*10/13/2021 22:48*	WG1755648
(S) Phenol-d5	*13.6*			*10.0-120*		*10/13/2021 22:48*	WG1755648
(S) Nitrobenzene-d5	*33.3*			*10.0-127*		*10/13/2021 22:48*	WG1755648
(S) 2-Fluorobiphenyl	*43.1*			*10.0-130*		*10/13/2021 22:48*	WG1755648
(S) 2,4,6-Tribromophenol	*45.9*			*10.0-155*		*10/13/2021 22:48*	WG1755648
(S) p-Terphenyl-d14	*49.9*			*10.0-128*		*10/13/2021 22:48*	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	0.379		0.0190	0.0500	1	10/13/2021 20:28	WG1755637
Acenaphthene	0.583		0.0190	0.0500	1	10/13/2021 20:28	WG1755637
Acenaphthylene	0.381		0.0171	0.0500	1	10/13/2021 20:28	WG1755637
Benzo(a)anthracene	0.211		0.0203	0.0500	1	10/13/2021 20:28	WG1755637
Benzo(a)pyrene	0.105		0.0184	0.0500	1	10/13/2021 20:28	WG1755637
Benzo(b)fluoranthene	0.0792		0.0168	0.0500	1	10/13/2021 20:28	WG1755637
Benzo(g,h,i)perylene	0.0684		0.0184	0.0500	1	10/13/2021 20:28	WG1755637
Benzo(k)fluoranthene	0.0333	J	0.0202	0.0500	1	10/13/2021 20:28	WG1755637
Chrysene	0.156		0.0179	0.0500	1	10/13/2021 20:28	WG1755637
Dibenz(a,h)anthracene	0.0176	J	0.0160	0.0500	1	10/13/2021 20:28	WG1755637
Dibenzofuran	0.0366	J	0.0191	0.0500	1	10/13/2021 20:28	WG1755637
Fluoranthene	0.343		0.0270	0.100	1	10/13/2021 20:28	WG1755637
Fluorene	0.413		0.0169	0.0500	1	10/13/2021 20:28	WG1755637
Hexachlorobenzene	U		0.00670	0.0500	1	10/13/2021 20:28	WG1755637
Indeno(1,2,3-cd)pyrene	0.0484	J	0.0158	0.0500	1	10/13/2021 20:28	WG1755637
Naphthalene	0.206	J	0.0917	0.250	1	10/13/2021 20:28	WG1755637
Phenanthrene	1.15		0.0180	0.0500	1	10/13/2021 20:28	WG1755637
Pyrene	0.629		0.0169	0.0500	1	10/13/2021 20:28	WG1755637
1-Methylnaphthalene	0.175	J	0.0687	0.250	1	10/13/2021 20:28	WG1755637
2-Methylnaphthalene	0.127	J	0.0674	0.250	1	10/13/2021 20:28	WG1755637
2-Chloronaphthalene	U		0.0682	0.250	1	10/13/2021 20:28	WG1755637
(S) Nitrobenzene-d5	*137*			*31.0-160*		*10/13/2021 20:28*	WG1755637
(S) 2-Fluorobiphenyl	*131*			*48.0-148*		*10/13/2021 20:28*	WG1755637
(S) p-Terphenyl-d14	*162*	J1		*37.0-146*		*10/13/2021 20:28*	WG1755637

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:46	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		11.3	25.0	1	10/15/2021 03:23	WG1757539	
Acrylonitrile	U		0.671	5.00	1	10/15/2021 03:23	WG1757539	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 17:14	WG1758798	
Benzene	U	J4	0.0941	0.500	1	10/15/2021 03:23	WG1757539	
Bromobenzene	U		0.118	0.500	1	10/15/2021 03:23	WG1757539	
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 03:23	WG1757539	
Bromochloromethane	U		0.128	0.500	1	10/15/2021 03:23	WG1757539	
Bromoform	U	UJ	0.129	0.500	1	10/15/2021 03:23	WG1757539	
Bromomethane	U	UJ	0.605	2.50	1	10/15/2021 03:23	WG1757539	
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 03:23	WG1757539	
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 03:23	WG1757539	
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 03:23	WG1757539	
Carbon disulfide	U	UJ	0.0962	0.500	1	10/15/2021 03:23	WG1757539	
Carbon tetrachloride	U	UJ	0.128	0.500	1	10/15/2021 03:23	WG1757539	
Chlorobenzene	U		0.117	0.500	1	10/15/2021 03:23	WG1757539	
Chlorodibromomethane	U	UJ	0.140	0.500	1	10/15/2021 03:23	WG1757539	
Chloroethane	U		0.192	2.50	1	10/15/2021 03:23	WG1757539	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/15/2021 03:23~~	WG1757539	R
Chloroform	0.154	J	J	0.111	0.500	1	10/18/2021 16:33	WG1758998
Chloromethane	U		0.960	1.25	1	10/15/2021 03:23	WG1757539	
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 03:23	WG1757539	
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 03:23	WG1757539	
1,2-Dibromo-3-Chloropropane	U	UJ	C3	0.276	2.50	1	10/15/2021 03:23	WG1757539
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 03:23	WG1757539	
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 03:23	WG1757539	
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 03:23	WG1757539	
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 03:23	WG1757539	
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 03:23	WG1757539	
Dichlorodifluoromethane	U	UJ	0.374	2.50	1	10/15/2021 03:23	WG1757539	
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 03:23	WG1757539	
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 03:23	WG1757539	
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 03:23	WG1757539	
cis-1,2-Dichloroethene	3.02		0.126	0.500	1	10/15/2021 03:23	WG1757539	
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 03:23	WG1757539	
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 03:23	WG1757539	
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 03:23	WG1757539	
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 03:23	WG1757539	
cis-1,3-Dichloropropene	U	UJ	0.111	0.500	1	10/15/2021 03:23	WG1757539	
trans-1,3-Dichloropropene	U	UJ	0.118	0.500	1	10/15/2021 03:23	WG1757539	
trans-1,4-Dichloro-2-butene	U	UJ	0.467	5.00	1	10/15/2021 03:23	WG1757539	
2,2-Dichloropropane	U	UJ	J4	0.161	0.500	1	10/15/2021 03:23	WG1757539
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 03:23	WG1757539	
Ethylbenzene	U		0.137	0.500	1	10/15/2021 03:23	WG1757539	
Hexachloro-1,3-butadiene	0.775	J	0.337	1.00	1	10/15/2021 03:23	WG1757539	
2-Hexanone	U		0.787	5.00	1	10/15/2021 03:23	WG1757539	
n-Hexane	U		0.749	5.00	1	10/15/2021 03:23	WG1757539	
Iodomethane	U	UJ	0.554	5.00	1	10/15/2021 03:23	WG1757539	
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 03:23	WG1757539	
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 03:23	WG1757539	
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 03:23	WG1757539	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/15/2021 03:23	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 03:23	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 03:23	WG1757539
Naphthalene	U	UJ C3	0.174	2.50	1	10/15/2021 03:23	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 03:23	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 03:23	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 03:23	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 03:23	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 03:23	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 03:23	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 03:23	WG1757539
1,2,3-Trichlorobenzene	U	UJ C3	0.164	0.500	1	10/15/2021 03:23	WG1757539
1,2,4-Trichlorobenzene	U	UJ	0.481	1.00	1	10/15/2021 03:23	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 03:23	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 03:23	WG1757539
Trichloroethene	7.17	J	0.190	0.500	1	10/15/2021 03:23	WG1757539
Trichlorofluoromethane	U	UJ	0.160	2.50	1	10/15/2021 03:23	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 03:23	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 03:23	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 03:23	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 03:23	WG1757539
Vinyl acetate	U	UJ	0.692	5.00	1	10/15/2021 03:23	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 03:23	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 03:23	WG1757539
(S) Toluene-d8	*96.5*			*80.0-120*		*10/15/2021 03:23*	WG1757539
(S) Toluene-d8	*117*			*80.0-120*		*10/18/2021 16:33*	WG1758998
(S) 4-Bromofluorobenzene	*95.6*			*77.0-126*		*10/15/2021 03:23*	WG1757539
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*10/18/2021 16:33*	WG1758998
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/15/2021 03:23*	WG1757539
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*10/18/2021 16:33*	WG1758998

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/13/2021 16:46	WG1755648
Atrazine	U		0.255	10.0	1	10/13/2021 16:46	WG1755648
Benzaldehyde	U		1.69	10.0	1	10/13/2021 16:46	WG1755648
Biphenyl	U		0.790	10.0	1	10/13/2021 16:46	WG1755648
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/13/2021 16:46	WG1755648
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/13/2021 16:46	WG1755648
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/13/2021 16:46	WG1755648
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/13/2021 16:46	WG1755648
Caprolactam	1.06	J	0.309	10.0	1	10/13/2021 16:46	WG1755648
Carbazole	U		0.111	10.0	1	10/13/2021 16:46	WG1755648
4-Chloroaniline	U		0.234	5.00	1	10/13/2021 16:46	WG1755648
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/13/2021 16:46	WG1755648
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/13/2021 16:46	WG1755648
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/13/2021 16:46	WG1755648
2,6-Dinitrotoluene	U		0.250	5.00	1	10/13/2021 16:46	WG1755648
Hexachloro-1,3-butadiene	0.316	J	0.0968	10.0	1	10/13/2021 16:46	WG1755648
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/13/2021 16:46	WG1755648
Hexachloroethane	U		0.127	5.00	1	10/13/2021 16:46	WG1755648
Isophorone	U		0.143	10.0	1	10/13/2021 16:46	WG1755648
2-Nitroaniline	U		0.102	10.0	1	10/13/2021 16:46	WG1755648
3-Nitroaniline	U		0.0869	5.00	1	10/13/2021 16:46	WG1755648
4-Nitroaniline	U		0.0910	5.00	1	10/13/2021 16:46	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Nitrobenzene	U		0.297	10.0	1	10/13/2021 16:46	WG1755648
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/13/2021 16:46	WG1755648
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/13/2021 16:46	WG1755648
Benzylbutyl phthalate	U		0.765	3.00	1	10/13/2021 16:46	WG1755648
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/13/2021 16:46	WG1755648
Di-n-butyl phthalate	U		0.453	3.00	1	10/13/2021 16:46	WG1755648
Diethyl phthalate	U		0.287	3.00	1	10/13/2021 16:46	WG1755648
Dimethyl phthalate	U		0.260	3.00	1	10/13/2021 16:46	WG1755648
Di-n-octyl phthalate	U		0.932	3.00	1	10/13/2021 16:46	WG1755648
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/13/2021 16:46	WG1755648
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/13/2021 16:46	WG1755648
2-Chlorophenol	U		0.133	1.00	1	10/13/2021 16:46	WG1755648
2-Methylphenol	U		0.0929	1.00	1	10/13/2021 16:46	WG1755648
3&4-Methyl Phenol	U		0.168	1.00	1	10/13/2021 16:46	WG1755648
2,4-Dichlorophenol	U		0.102	5.00	1	10/13/2021 16:46	WG1755648
2,4-Dimethylphenol	U		0.0636	10.0	1	10/13/2021 16:46	WG1755648
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/13/2021 16:46	WG1755648
2,4-Dinitrophenol	U		5.93	10.0	1	10/13/2021 16:46	WG1755648
2-Nitrophenol	U		0.117	10.0	1	10/13/2021 16:46	WG1755648
4-Nitrophenol	U		0.143	10.0	1	10/13/2021 16:46	WG1755648
Pentachlorophenol	U		0.313	1.00	1	10/13/2021 16:46	WG1755648
Phenol	U		4.33	10.0	1	10/13/2021 16:46	WG1755648
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/13/2021 16:46	WG1755648
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/13/2021 16:46	WG1755648
(S) 2-Fluorophenol	*22.1*			*10.0-120*		*10/13/2021 16:46*	WG1755648
(S) Phenol-d5	*16.0*			*10.0-120*		*10/13/2021 16:46*	WG1755648
(S) Nitrobenzene-d5	*45.8*			*10.0-127*		*10/13/2021 16:46*	WG1755648
(S) 2-Fluorobiphenyl	*53.8*			*10.0-130*		*10/13/2021 16:46*	WG1755648
(S) 2,4,6-Tribromophenol	*44.1*			*10.0-155*		*10/13/2021 16:46*	WG1755648
(S) p-Terphenyl-d14	*50.4*			*10.0-128*		*10/13/2021 16:46*	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	0.0788		0.0190	0.0500	1	10/13/2021 20:45	WG1755637
Acenaphthene	0.144		0.0190	0.0500	1	10/13/2021 20:45	WG1755637
Acenaphthylene	0.0634		0.0171	0.0500	1	10/13/2021 20:45	WG1755637
Benzo(a)anthracene	0.0378	J	0.0203	0.0500	1	10/13/2021 20:45	WG1755637
Benzo(a)pyrene	U		0.0184	0.0500	1	10/13/2021 20:45	WG1755637
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/13/2021 20:45	WG1755637
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/13/2021 20:45	WG1755637
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/13/2021 20:45	WG1755637
Chrysene	0.0246	J	0.0179	0.0500	1	10/13/2021 20:45	WG1755637
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/13/2021 20:45	WG1755637
Dibenzofuran	U		0.0191	0.0500	1	10/13/2021 20:45	WG1755637
Fluoranthene	0.0687	J	0.0270	0.100	1	10/13/2021 20:45	WG1755637
Fluorene	0.101		0.0169	0.0500	1	10/13/2021 20:45	WG1755637
Hexachlorobenzene	U		0.00670	0.0500	1	10/13/2021 20:45	WG1755637
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/13/2021 20:45	WG1755637
Naphthalene	U		0.0917	0.250	1	10/13/2021 20:45	WG1755637
Phenanthrene	0.317		0.0180	0.0500	1	10/13/2021 20:45	WG1755637
Pyrene	0.114		0.0169	0.0500	1	10/13/2021 20:45	WG1755637
1-Methylnaphthalene	U		0.0687	0.250	1	10/13/2021 20:45	WG1755637
2-Methylnaphthalene	U		0.0674	0.250	1	10/13/2021 20:45	WG1755637
2-Chloronaphthalene	U		0.0682	0.250	1	10/13/2021 20:45	WG1755637
(S) Nitrobenzene-d5	*132*			*31.0-160*		*10/13/2021 20:45*	WG1755637

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 2-Fluorobiphenyl	*122*			*48.0-148*		*10/13/2021 20:45*	WG1755637
(S) p-Terphenyl-d14	*151*	J1		*37.0-146*		*10/13/2021 20:45*	WG1755637

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:49	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		11.3	25.0	1	10/15/2021 03:42	WG1757539	
Acrylonitrile	U		0.671	5.00	1	10/15/2021 03:42	WG1757539	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 17:38	WG1758798	
Benzene	U	J4	0.0941	0.500	1	10/15/2021 03:42	WG1757539	
Bromobenzene	U		0.118	0.500	1	10/15/2021 03:42	WG1757539	
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 03:42	WG1757539	
Bromochloromethane	U		0.128	0.500	1	10/15/2021 03:42	WG1757539	
Bromoform	U		0.129	0.500	1	10/15/2021 03:42	WG1757539	
Bromomethane	U UJ		0.605	2.50	1	10/15/2021 03:42	WG1757539	
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 03:42	WG1757539	
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 03:42	WG1757539	
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 03:42	WG1757539	
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 03:42	WG1757539	
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 03:42	WG1757539	
Chlorobenzene	U		0.117	0.500	1	10/15/2021 03:42	WG1757539	
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 03:42	WG1757539	
Chloroethane	U		0.192	2.50	1	10/15/2021 03:42	WG1757539	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/15/2021 03:42~~	WG1757539	R
Chloroform	U UJ	J4	0.111	0.500	1	10/15/2021 03:42	WG1757539	
Chloromethane	U		0.960	1.25	1	10/15/2021 03:42	WG1757539	
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 03:42	WG1757539	
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 03:42	WG1757539	
1,2-Dibromo-3-Chloropropane	U UJ	C3	0.276	2.50	1	10/15/2021 03:42	WG1757539	
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 03:42	WG1757539	
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 03:42	WG1757539	
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 03:42	WG1757539	
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 03:42	WG1757539	
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 03:42	WG1757539	
Dichlorodifluoromethane	U UJ		0.374	2.50	1	10/15/2021 03:42	WG1757539	
1,1-Dichloroethane	0.238	J	0.100	0.500	1	10/15/2021 03:42	WG1757539	
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 03:42	WG1757539	
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 03:42	WG1757539	
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 03:42	WG1757539	
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 03:42	WG1757539	
1,2-Dichloropropane	0.195	J	0.149	0.500	1	10/15/2021 03:42	WG1757539	
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 03:42	WG1757539	
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 03:42	WG1757539	
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 03:42	WG1757539	
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 03:42	WG1757539	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 03:42	WG1757539	
2,2-Dichloropropane	U UJ	J4	0.161	0.500	1	10/15/2021 03:42	WG1757539	
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 03:42	WG1757539	
Ethylbenzene	U		0.137	0.500	1	10/15/2021 03:42	WG1757539	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 03:42	WG1757539	
2-Hexanone	U		0.787	5.00	1	10/15/2021 03:42	WG1757539	
n-Hexane	U		0.749	5.00	1	10/15/2021 03:42	WG1757539	
Iodomethane	U		0.554	5.00	1	10/15/2021 03:42	WG1757539	
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 03:42	WG1757539	
p-Isopropyltoluene	0.310	J	0.120	0.500	1	10/15/2021 03:42	WG1757539	
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 03:42	WG1757539	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Methylene Chloride	U		0.430	2.50	1	10/15/2021 03:42	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 03:42	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 03:42	WG1757539
Naphthalene	0.276	J C3 J	0.174	2.50	1	10/15/2021 03:42	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 03:42	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 03:42	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 03:42	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 03:42	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 03:42	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 03:42	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 03:42	WG1757539
1,2,3-Trichlorobenzene	U	UJ C3	0.164	0.500	1	10/15/2021 03:42	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 03:42	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 03:42	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 03:42	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 03:42	WG1757539
Trichlorofluoromethane	U	UJ	0.160	2.50	1	10/15/2021 03:42	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 03:42	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 03:42	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 03:42	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 03:42	WG1757539
Vinyl acetate	U	UJ	0.692	5.00	1	10/15/2021 03:42	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 03:42	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 03:42	WG1757539
(S) Toluene-d8	*98.6*			*80.0-120*		*10/15/2021 03:42*	WG1757539
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*10/15/2021 03:42*	WG1757539
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*10/15/2021 03:42*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	10/15/2021 02:57	WG1756476
Atrazine	U		0.255	10.0	1	10/15/2021 02:57	WG1756476
Benzaldehyde	U		1.69	10.0	1	10/15/2021 02:57	WG1756476
Biphenyl	U		0.790	10.0	1	10/15/2021 02:57	WG1756476
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/15/2021 02:57	WG1756476
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/15/2021 02:57	WG1756476
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/15/2021 02:57	WG1756476
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/15/2021 02:57	WG1756476
Caprolactam	U		0.309	10.0	1	10/15/2021 02:57	WG1756476
Carbazole	U		0.111	10.0	1	10/15/2021 02:57	WG1756476
4-Chloroaniline	U		0.234	5.00	1	10/15/2021 02:57	WG1756476
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/15/2021 02:57	WG1756476
3,3-Dichlorobenzidine	0.394	J	0.212	10.0	1	10/15/2021 02:57	WG1756476
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/15/2021 02:57	WG1756476
2,6-Dinitrotoluene	U		0.250	5.00	1	10/15/2021 02:57	WG1756476
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/15/2021 02:57	WG1756476
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/15/2021 02:57	WG1756476
Hexachloroethane	U		0.127	5.00	1	10/15/2021 02:57	WG1756476
Isophorone	U		0.143	10.0	1	10/15/2021 02:57	WG1756476
2-Nitroaniline	U		0.102	10.0	1	10/15/2021 02:57	WG1756476
3-Nitroaniline	U		0.0869	5.00	1	10/15/2021 02:57	WG1756476
4-Nitroaniline	U		0.0910	5.00	1	10/15/2021 02:57	WG1756476
Nitrobenzene	U		0.297	10.0	1	10/15/2021 02:57	WG1756476
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/15/2021 02:57	WG1756476
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/15/2021 02:57	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/15/2021 02:57	WG1756476
Bis(2-ethylhexyl)phthalate	0.951	J	0.895	3.00	1	10/15/2021 02:57	WG1756476
Di-n-butyl phthalate	U		0.453	3.00	1	10/15/2021 02:57	WG1756476
Diethyl phthalate	U		0.287	3.00	1	10/15/2021 02:57	WG1756476
Dimethyl phthalate	U		0.260	3.00	1	10/15/2021 02:57	WG1756476
Di-n-octyl phthalate	U		0.932	3.00	1	10/15/2021 02:57	WG1756476
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/15/2021 02:57	WG1756476
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/15/2021 02:57	WG1756476
2-Chlorophenol	U		0.133	1.00	1	10/15/2021 02:57	WG1756476
2-Methylphenol	U		0.0929	1.00	1	10/15/2021 02:57	WG1756476
3&4-Methyl Phenol	U		0.168	1.00	1	10/15/2021 02:57	WG1756476
2,4-Dichlorophenol	U		0.102	5.00	1	10/15/2021 02:57	WG1756476
2,4-Dimethylphenol	U		0.0636	10.0	1	10/15/2021 02:57	WG1756476
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/15/2021 02:57	WG1756476
2,4-Dinitrophenol	U		5.93	10.0	1	10/15/2021 02:57	WG1756476
2-Nitrophenol	U		0.117	10.0	1	10/15/2021 02:57	WG1756476
4-Nitrophenol	U	J4	0.143	10.0	1	10/15/2021 02:57	WG1756476
Pentachlorophenol	U		0.313	1.00	1	10/15/2021 02:57	WG1756476
Phenol	U		4.33	10.0	1	10/15/2021 02:57	WG1756476
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/15/2021 02:57	WG1756476
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/15/2021 02:57	WG1756476
(S) 2-Fluorophenol	*31.8*			*10.0-120*		*10/15/2021 02:57*	WG1756476
(S) Phenol-d5	*19.7*			*10.0-120*		*10/15/2021 02:57*	WG1756476
(S) Nitrobenzene-d5	*60.9*			*10.0-127*		*10/15/2021 02:57*	WG1756476
(S) 2-Fluorobiphenyl	*59.3*			*10.0-130*		*10/15/2021 02:57*	WG1756476
(S) 2,4,6-Tribromophenol	*60.5*			*10.0-155*		*10/15/2021 02:57*	WG1756476
(S) p-Terphenyl-d14	*65.4*			*10.0-128*		*10/15/2021 02:57*	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	0.0918		0.0190	0.0500	1	10/14/2021 09:05	WG1756461
Acenaphthene	0.341		0.0190	0.0500	1	10/14/2021 09:05	WG1756461
Acenaphthylene	0.144		0.0171	0.0500	1	10/14/2021 09:05	WG1756461
Benzo(a)anthracene	0.0537		0.0203	0.0500	1	10/14/2021 09:05	WG1756461
Benzo(a)pyrene	0.0509		0.0184	0.0500	1	10/14/2021 09:05	WG1756461
Benzo(b)fluoranthene	0.0672		0.0168	0.0500	1	10/14/2021 09:05	WG1756461
Benzo(g,h,i)perylene	0.0508		0.0184	0.0500	1	10/14/2021 09:05	WG1756461
Benzo(k)fluoranthene	0.0257	J	0.0202	0.0500	1	10/14/2021 09:05	WG1756461
Chrysene	0.0630		0.0179	0.0500	1	10/14/2021 09:05	WG1756461
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/14/2021 09:05	WG1756461
Dibenzofuran	0.0196	J	0.0191	0.0500	1	10/14/2021 09:05	WG1756461
Fluoranthene	0.122		0.0270	0.100	1	10/14/2021 09:05	WG1756461
Fluorene	0.191		0.0169	0.0500	1	10/14/2021 09:05	WG1756461
Hexachlorobenzene	U		0.00670	0.0500	1	10/14/2021 09:05	WG1756461
Indeno(1,2,3-cd)pyrene	0.0436	J	0.0158	0.0500	1	10/14/2021 09:05	WG1756461
Naphthalene	0.525		0.0917	0.250	1	10/14/2021 09:05	WG1756461
Phenanthrene	0.445		0.0180	0.0500	1	10/14/2021 09:05	WG1756461
Pyrene	0.173		0.0169	0.0500	1	10/14/2021 09:05	WG1756461
1-Methylnaphthalene	0.273		0.0687	0.250	1	10/14/2021 09:05	WG1756461
2-Methylnaphthalene	0.179	J	0.0674	0.250	1	10/14/2021 09:05	WG1756461
2-Chloronaphthalene	U		0.0682	0.250	1	10/14/2021 09:05	WG1756461
(S) Nitrobenzene-d5	*102*			*31.0-160*		*10/14/2021 09:05*	WG1756461
(S) 2-Fluorobiphenyl	*137*			*48.0-148*		*10/14/2021 09:05*	WG1756461
(S) p-Terphenyl-d14	*165*	J1		*37.0-146*		*10/14/2021 09:05*	WG1756461

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:52	WG1759994	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		11.3	25.0	1	10/15/2021 04:02	WG1757539	
Acrylonitrile	U		0.671	5.00	1	10/15/2021 04:02	WG1757539	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 18:01	WG1758798	
Benzene	U	J4	0.0941	0.500	1	10/15/2021 04:02	WG1757539	
Bromobenzene	U		0.118	0.500	1	10/15/2021 04:02	WG1757539	
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 04:02	WG1757539	
Bromochloromethane	U		0.128	0.500	1	10/15/2021 04:02	WG1757539	
Bromoform	U		0.129	0.500	1	10/15/2021 04:02	WG1757539	
Bromomethane	U	UJ	0.605	2.50	1	10/15/2021 04:02	WG1757539	
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 04:02	WG1757539	
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 04:02	WG1757539	
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 04:02	WG1757539	
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 04:02	WG1757539	
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 04:02	WG1757539	
Chlorobenzene	U		0.117	0.500	1	10/15/2021 04:02	WG1757539	
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 04:02	WG1757539	
Chloroethane	U		0.192	2.50	1	10/15/2021 04:02	WG1757539	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/15/2021 04:02~~	WG1757539	R
Chloroform	U	UJ J4	0.111	0.500	1	10/15/2021 04:02	WG1757539	
Chloromethane	U		0.960	1.25	1	10/15/2021 04:02	WG1757539	
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 04:02	WG1757539	
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 04:02	WG1757539	
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.276	2.50	1	10/15/2021 04:02	WG1757539	
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 04:02	WG1757539	
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 04:02	WG1757539	
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 04:02	WG1757539	
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 04:02	WG1757539	
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 04:02	WG1757539	
Dichlorodifluoromethane	U	UJ	0.374	2.50	1	10/15/2021 04:02	WG1757539	
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 04:02	WG1757539	
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 04:02	WG1757539	
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 04:02	WG1757539	
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 04:02	WG1757539	
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 04:02	WG1757539	
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 04:02	WG1757539	
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 04:02	WG1757539	
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 04:02	WG1757539	
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 04:02	WG1757539	
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 04:02	WG1757539	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 04:02	WG1757539	
2,2-Dichloropropane	U	UJ J4	0.161	0.500	1	10/15/2021 04:02	WG1757539	
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 04:02	WG1757539	
Ethylbenzene	U		0.137	0.500	1	10/15/2021 04:02	WG1757539	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 04:02	WG1757539	
2-Hexanone	U		0.787	5.00	1	10/15/2021 04:02	WG1757539	
n-Hexane	U		0.749	5.00	1	10/15/2021 04:02	WG1757539	
Iodomethane	U		0.554	5.00	1	10/15/2021 04:02	WG1757539	
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 04:02	WG1757539	
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 04:02	WG1757539	
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 04:02	WG1757539	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/15/2021 04:02	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 04:02	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 04:02	WG1757539
Naphthalene	U	UJ C3	0.174	2.50	1	10/15/2021 04:02	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 04:02	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 04:02	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 04:02	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 04:02	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 04:02	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 04:02	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 04:02	WG1757539
1,2,3-Trichlorobenzene	U	UJ C3	0.164	0.500	1	10/15/2021 04:02	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 04:02	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 04:02	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 04:02	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 04:02	WG1757539
Trichlorofluoromethane	U	UJ	0.160	2.50	1	10/15/2021 04:02	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 04:02	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 04:02	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 04:02	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 04:02	WG1757539
Vinyl acetate	U	UJ	0.692	5.00	1	10/15/2021 04:02	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 04:02	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 04:02	WG1757539
(S) Toluene-d8	*97.6*			*80.0-120*		*10/15/2021 04:02*	WG1757539
(S) 4-Bromofluorobenzene	*96.7*			*77.0-126*		*10/15/2021 04:02*	WG1757539
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*10/15/2021 04:02*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/13/2021 17:08	WG1755648
Atrazine	U		0.255	10.0	1	10/13/2021 17:08	WG1755648
Benzaldehyde	U		1.69	10.0	1	10/13/2021 17:08	WG1755648
Biphenyl	U		0.790	10.0	1	10/13/2021 17:08	WG1755648
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/13/2021 17:08	WG1755648
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/13/2021 17:08	WG1755648
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/13/2021 17:08	WG1755648
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/13/2021 17:08	WG1755648
Caprolactam	U		0.309	10.0	1	10/13/2021 17:08	WG1755648
Carbazole	U		0.111	10.0	1	10/13/2021 17:08	WG1755648
4-Chloroaniline	U		0.234	5.00	1	10/13/2021 17:08	WG1755648
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/13/2021 17:08	WG1755648
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/13/2021 17:08	WG1755648
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/13/2021 17:08	WG1755648
2,6-Dinitrotoluene	U		0.250	5.00	1	10/13/2021 17:08	WG1755648
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/13/2021 17:08	WG1755648
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/13/2021 17:08	WG1755648
Hexachloroethane	U		0.127	5.00	1	10/13/2021 17:08	WG1755648
Isophorone	U		0.143	10.0	1	10/13/2021 17:08	WG1755648
2-Nitroaniline	U		0.102	10.0	1	10/13/2021 17:08	WG1755648
3-Nitroaniline	U		0.0869	5.00	1	10/13/2021 17:08	WG1755648
4-Nitroaniline	U		0.0910	5.00	1	10/13/2021 17:08	WG1755648
Nitrobenzene	U		0.297	10.0	1	10/13/2021 17:08	WG1755648
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/13/2021 17:08	WG1755648
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/13/2021 17:08	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/13/2021 17:08	WG1755648
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/13/2021 17:08	WG1755648
Di-n-butyl phthalate	U		0.453	3.00	1	10/13/2021 17:08	WG1755648
Diethyl phthalate	U		0.287	3.00	1	10/13/2021 17:08	WG1755648
Dimethyl phthalate	U		0.260	3.00	1	10/13/2021 17:08	WG1755648
Di-n-octyl phthalate	U		0.932	3.00	1	10/13/2021 17:08	WG1755648
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/13/2021 17:08	WG1755648
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/13/2021 17:08	WG1755648
2-Chlorophenol	U		0.133	1.00	1	10/13/2021 17:08	WG1755648
2-Methylphenol	U		0.0929	1.00	1	10/13/2021 17:08	WG1755648
3&4-Methyl Phenol	U		0.168	1.00	1	10/13/2021 17:08	WG1755648
2,4-Dichlorophenol	U		0.102	5.00	1	10/13/2021 17:08	WG1755648
2,4-Dimethylphenol	U		0.0636	10.0	1	10/13/2021 17:08	WG1755648
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/13/2021 17:08	WG1755648
2,4-Dinitrophenol	U		5.93	10.0	1	10/13/2021 17:08	WG1755648
2-Nitrophenol	U		0.117	10.0	1	10/13/2021 17:08	WG1755648
4-Nitrophenol	U		0.143	10.0	1	10/13/2021 17:08	WG1755648
Pentachlorophenol	U		0.313	1.00	1	10/13/2021 17:08	WG1755648
Phenol	U		4.33	10.0	1	10/13/2021 17:08	WG1755648
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/13/2021 17:08	WG1755648
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/13/2021 17:08	WG1755648
(S) 2-Fluorophenol	*20.5*			*10.0-120*		*10/13/2021 17:08*	WG1755648
(S) Phenol-d5	*14.3*			*10.0-120*		*10/13/2021 17:08*	WG1755648
(S) Nitrobenzene-d5	*40.7*			*10.0-127*		*10/13/2021 17:08*	WG1755648
(S) 2-Fluorobiphenyl	*55.8*			*10.0-130*		*10/13/2021 17:08*	WG1755648
(S) 2,4,6-Tribromophenol	*44.5*			*10.0-155*		*10/13/2021 17:08*	WG1755648
(S) p-Terphenyl-d14	*55.2*			*10.0-128*		*10/13/2021 17:08*	WG1755648

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	10/13/2021 21:03	WG1755637
Acenaphthene	U		0.0190	0.0500	1	10/13/2021 21:03	WG1755637
Acenaphthylene	U		0.0171	0.0500	1	10/13/2021 21:03	WG1755637
Benzo(a)anthracene	U		0.0203	0.0500	1	10/13/2021 21:03	WG1755637
Benzo(a)pyrene	U		0.0184	0.0500	1	10/13/2021 21:03	WG1755637
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/13/2021 21:03	WG1755637
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/13/2021 21:03	WG1755637
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/13/2021 21:03	WG1755637
Chrysene	U		0.0179	0.0500	1	10/13/2021 21:03	WG1755637
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/13/2021 21:03	WG1755637
Dibenzofuran	U		0.0191	0.0500	1	10/13/2021 21:03	WG1755637
Fluoranthene	U		0.0270	0.100	1	10/13/2021 21:03	WG1755637
Fluorene	U		0.0169	0.0500	1	10/13/2021 21:03	WG1755637
Hexachlorobenzene	U		0.00670	0.0500	1	10/13/2021 21:03	WG1755637
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/13/2021 21:03	WG1755637
Naphthalene	U		0.0917	0.250	1	10/13/2021 21:03	WG1755637
Phenanthrene	U		0.0180	0.0500	1	10/13/2021 21:03	WG1755637
Pyrene	U		0.0169	0.0500	1	10/13/2021 21:03	WG1755637
1-Methylnaphthalene	U		0.0687	0.250	1	10/13/2021 21:03	WG1755637
2-Methylnaphthalene	U		0.0674	0.250	1	10/13/2021 21:03	WG1755637
2-Chloronaphthalene	U		0.0682	0.250	1	10/13/2021 21:03	WG1755637
(S) Nitrobenzene-d5	*134*			*31.0-160*		*10/13/2021 21:03*	WG1755637
(S) 2-Fluorobiphenyl	*128*			*48.0-148*		*10/13/2021 21:03*	WG1755637
(S) p-Terphenyl-d14	*164*	J1		*37.0-146*		*10/13/2021 21:03*	WG1755637

Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		0.849	2.00	1	10/21/2021 12:56	WG1759994

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
	ug/l		ug/l	ug/l		date / time		
Acetone	U		11.3	25.0	1	10/15/2021 04:21	WG1757539	
Acrylonitrile	U		0.671	5.00	1	10/15/2021 04:21	WG1757539	
1,2-Dibromo-3-chloropropane	U		0.000520	0.00500	1	10/19/2021 18:25	WG1758798	
Benzene	U	J4	0.0941	0.500	1	10/15/2021 04:21	WG1757539	
Bromobenzene	U		0.118	0.500	1	10/15/2021 04:21	WG1757539	
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 04:21	WG1757539	
Bromochloromethane	U		0.128	0.500	1	10/15/2021 04:21	WG1757539	
Bromoform	U		0.129	0.500	1	10/15/2021 04:21	WG1757539	
Bromomethane	U	UJ	0.605	2.50	1	10/15/2021 04:21	WG1757539	
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 04:21	WG1757539	
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 04:21	WG1757539	
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 04:21	WG1757539	
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 04:21	WG1757539	
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 04:21	WG1757539	
Chlorobenzene	U		0.117	0.500	1	10/15/2021 04:21	WG1757539	
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 04:21	WG1757539	
Chloroethane	U		0.192	2.50	1	10/15/2021 04:21	WG1757539	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/15/2021 04:21~~	WG1757539	R
Chloroform	U	UJ J4	0.111	0.500	1	10/15/2021 04:21	WG1757539	
Chloromethane	U		0.960	1.25	1	10/15/2021 04:21	WG1757539	
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 04:21	WG1757539	
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 04:21	WG1757539	
1,2-Dibromo-3-Chloropropane	U	UJ C3	0.276	2.50	1	10/15/2021 04:21	WG1757539	
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 04:21	WG1757539	
Dibromomethane	U	J4	0.122	0.500	1	10/15/2021 04:21	WG1757539	
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 04:21	WG1757539	
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 04:21	WG1757539	
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 04:21	WG1757539	
Dichlorodifluoromethane	U	UJ	0.374	2.50	1	10/15/2021 04:21	WG1757539	
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 04:21	WG1757539	
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 04:21	WG1757539	
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 04:21	WG1757539	
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 04:21	WG1757539	
trans-1,2-Dichloroethene	U	J4	0.149	0.500	1	10/15/2021 04:21	WG1757539	
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 04:21	WG1757539	
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 04:21	WG1757539	
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 04:21	WG1757539	
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 04:21	WG1757539	
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 04:21	WG1757539	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 04:21	WG1757539	
2,2-Dichloropropane	U	UJ J4	0.161	0.500	1	10/15/2021 04:21	WG1757539	
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 04:21	WG1757539	
Ethylbenzene	U		0.137	0.500	1	10/15/2021 04:21	WG1757539	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 04:21	WG1757539	
2-Hexanone	U		0.787	5.00	1	10/15/2021 04:21	WG1757539	
n-Hexane	U		0.749	5.00	1	10/15/2021 04:21	WG1757539	
Iodomethane	U		0.554	5.00	1	10/15/2021 04:21	WG1757539	
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 04:21	WG1757539	
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 04:21	WG1757539	
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 04:21	WG1757539	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/15/2021 04:21	WG1757539
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 04:21	WG1757539
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 04:21	WG1757539
Naphthalene	U	UJ C3	0.174	2.50	1	10/15/2021 04:21	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 04:21	WG1757539
Styrene	U		0.118	0.500	1	10/15/2021 04:21	WG1757539
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 04:21	WG1757539
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 04:21	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 04:21	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 04:21	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 04:21	WG1757539
1,2,3-Trichlorobenzene	U	UJ C3	0.164	0.500	1	10/15/2021 04:21	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 04:21	WG1757539
1,1,1-Trichloroethane	U	J4	0.149	0.500	1	10/15/2021 04:21	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 04:21	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 04:21	WG1757539
Trichlorofluoromethane	U	UJ	0.160	2.50	1	10/15/2021 04:21	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 04:21	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 04:21	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 04:21	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 04:21	WG1757539
Vinyl acetate	U	UJ	0.692	5.00	1	10/15/2021 04:21	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 04:21	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 04:21	WG1757539
(S) Toluene-d8	*99.5*			*80.0-120*		*10/15/2021 04:21*	WG1757539
(S) 4-Bromofluorobenzene	*97.1*			*77.0-126*		*10/15/2021 04:21*	WG1757539
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*10/15/2021 04:21*	WG1757539

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/14/2021 23:02	WG1756476
Atrazine	U		0.255	10.0	1	10/14/2021 23:02	WG1756476
Benzaldehyde	U		1.69	10.0	1	10/14/2021 23:02	WG1756476
Biphenyl	U		0.790	10.0	1	10/14/2021 23:02	WG1756476
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/14/2021 23:02	WG1756476
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/14/2021 23:02	WG1756476
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/14/2021 23:02	WG1756476
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/14/2021 23:02	WG1756476
Caprolactam	U		0.309	10.0	1	10/14/2021 23:02	WG1756476
Carbazole	U		0.111	10.0	1	10/14/2021 23:02	WG1756476
4-Chloroaniline	U		0.234	5.00	1	10/14/2021 23:02	WG1756476
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/14/2021 23:02	WG1756476
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/14/2021 23:02	WG1756476
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/14/2021 23:02	WG1756476
2,6-Dinitrotoluene	U		0.250	5.00	1	10/14/2021 23:02	WG1756476
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/14/2021 23:02	WG1756476
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/14/2021 23:02	WG1756476
Hexachloroethane	U		0.127	5.00	1	10/14/2021 23:02	WG1756476
Isophorone	U		0.143	10.0	1	10/14/2021 23:02	WG1756476
2-Nitroaniline	U		0.102	10.0	1	10/14/2021 23:02	WG1756476
3-Nitroaniline	U		0.0869	5.00	1	10/14/2021 23:02	WG1756476
4-Nitroaniline	U		0.0910	5.00	1	10/14/2021 23:02	WG1756476
Nitrobenzene	U		0.297	10.0	1	10/14/2021 23:02	WG1756476
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/14/2021 23:02	WG1756476
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/14/2021 23:02	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Benzylbutyl phthalate	U		0.765	3.00	1	10/14/2021 23:02	WG1756476
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/14/2021 23:02	WG1756476
Di-n-butyl phthalate	U		0.453	3.00	1	10/14/2021 23:02	WG1756476
Diethyl phthalate	U		0.287	3.00	1	10/14/2021 23:02	WG1756476
Dimethyl phthalate	U		0.260	3.00	1	10/14/2021 23:02	WG1756476
Di-n-octyl phthalate	U		0.932	3.00	1	10/14/2021 23:02	WG1756476
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/14/2021 23:02	WG1756476
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/14/2021 23:02	WG1756476
2-Chlorophenol	U		0.133	1.00	1	10/14/2021 23:02	WG1756476
2-Methylphenol	U		0.0929	1.00	1	10/14/2021 23:02	WG1756476
3&4-Methyl Phenol	U		0.168	1.00	1	10/14/2021 23:02	WG1756476
2,4-Dichlorophenol	U		0.102	5.00	1	10/14/2021 23:02	WG1756476
2,4-Dimethylphenol	U		0.0636	10.0	1	10/14/2021 23:02	WG1756476
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/14/2021 23:02	WG1756476
2,4-Dinitrophenol	U		5.93	10.0	1	10/14/2021 23:02	WG1756476
2-Nitrophenol	U		0.117	10.0	1	10/14/2021 23:02	WG1756476
4-Nitrophenol	U	J4	0.143	10.0	1	10/14/2021 23:02	WG1756476
Pentachlorophenol	U		0.313	1.00	1	10/14/2021 23:02	WG1756476
Phenol	U		4.33	10.0	1	10/14/2021 23:02	WG1756476
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/14/2021 23:02	WG1756476
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/14/2021 23:02	WG1756476
(S) 2-Fluorophenol	*34.2*			*10.0-120*		*10/14/2021 23:02*	WG1756476
(S) Phenol-d5	*21.1*			*10.0-120*		*10/14/2021 23:02*	WG1756476
(S) Nitrobenzene-d5	*61.7*			*10.0-127*		*10/14/2021 23:02*	WG1756476
(S) 2-Fluorobiphenyl	*61.4*			*10.0-130*		*10/14/2021 23:02*	WG1756476
(S) 2,4,6-Tribromophenol	*56.0*			*10.0-155*		*10/14/2021 23:02*	WG1756476
(S) p-Terphenyl-d14	*60.1*			*10.0-128*		*10/14/2021 23:02*	WG1756476

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	10/14/2021 09:22	WG1756461
Acenaphthene	U		0.0190	0.0500	1	10/14/2021 09:22	WG1756461
Acenaphthylene	U		0.0171	0.0500	1	10/14/2021 09:22	WG1756461
Benzo(a)anthracene	U		0.0203	0.0500	1	10/14/2021 09:22	WG1756461
Benzo(a)pyrene	U		0.0184	0.0500	1	10/14/2021 09:22	WG1756461
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/14/2021 09:22	WG1756461
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/14/2021 09:22	WG1756461
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/14/2021 09:22	WG1756461
Chrysene	U		0.0179	0.0500	1	10/14/2021 09:22	WG1756461
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/14/2021 09:22	WG1756461
Dibenzofuran	U		0.0191	0.0500	1	10/14/2021 09:22	WG1756461
Fluoranthene	U		0.0270	0.100	1	10/14/2021 09:22	WG1756461
Fluorene	U		0.0169	0.0500	1	10/14/2021 09:22	WG1756461
Hexachlorobenzene	U		0.00670	0.0500	1	10/14/2021 09:22	WG1756461
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/14/2021 09:22	WG1756461
Naphthalene	U		0.0917	0.250	1	10/14/2021 09:22	WG1756461
Phenanthrene	U		0.0180	0.0500	1	10/14/2021 09:22	WG1756461
Pyrene	U		0.0169	0.0500	1	10/14/2021 09:22	WG1756461
1-Methylnaphthalene	U		0.0687	0.250	1	10/14/2021 09:22	WG1756461
2-Methylnaphthalene	U		0.0674	0.250	1	10/14/2021 09:22	WG1756461
2-Chloronaphthalene	U		0.0682	0.250	1	10/14/2021 09:22	WG1756461
(S) Nitrobenzene-d5	*111*			*31.0-160*		*10/14/2021 09:22*	WG1756461
(S) 2-Fluorobiphenyl	*135*			*48.0-148*		*10/14/2021 09:22*	WG1756461
(S) p-Terphenyl-d14	*181*	J1		*37.0-146*		*10/14/2021 09:22*	WG1756461

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
Acetone	U		11.3	25.0	1	10/15/2021 00:28	WG1757539	
Acrylonitrile	U		0.671	5.00	1	10/15/2021 00:28	WG1757539	
Benzene	U	~~J4~~	0.0941	0.500	1	10/15/2021 00:28	WG1757539	
Bromobenzene	U		0.118	0.500	1	10/15/2021 00:28	WG1757539	
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 00:28	WG1757539	
Bromochloromethane	U		0.128	0.500	1	10/15/2021 00:28	WG1757539	
Bromoform	U		0.129	0.500	1	10/15/2021 00:28	WG1757539	
Bromomethane	U	UJ	0.605	2.50	1	10/15/2021 00:28	WG1757539	
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 00:28	WG1757539	
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 00:28	WG1757539	
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 00:28	WG1757539	
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 00:28	WG1757539	
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 00:28	WG1757539	
Chlorobenzene	U		0.117	0.500	1	10/15/2021 00:28	WG1757539	
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 00:28	WG1757539	
Chloroethane	U		0.192	2.50	1	10/15/2021 00:28	WG1757539	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/15/2021 00:28~~	~~WG1757539~~	R
Chloroform	U	UJ	~~J4~~ 0.111	0.500	1	10/15/2021 00:28	WG1757539	
Chloromethane	U		0.960	1.25	1	10/15/2021 00:28	WG1757539	
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 00:28	WG1757539	
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 00:28	WG1757539	
1,2-Dibromo-3-Chloropropane	U	UJ	~~C3~~ 0.276	2.50	1	10/15/2021 00:28	WG1757539	
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 00:28	WG1757539	
Dibromomethane	U		~~J4~~ 0.122	0.500	1	10/15/2021 00:28	WG1757539	
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 00:28	WG1757539	
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 00:28	WG1757539	
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 00:28	WG1757539	
Dichlorodifluoromethane	U	UJ	0.374	2.50	1	10/15/2021 00:28	WG1757539	
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 00:28	WG1757539	
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 00:28	WG1757539	
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 00:28	WG1757539	
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 00:28	WG1757539	
trans-1,2-Dichloroethene	U		~~J4~~ 0.149	0.500	1	10/15/2021 00:28	WG1757539	
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 00:28	WG1757539	
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 00:28	WG1757539	
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 00:28	WG1757539	
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 00:28	WG1757539	
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 00:28	WG1757539	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 00:28	WG1757539	
2,2-Dichloropropane	U	UJ	~~J4~~ 0.161	0.500	1	10/15/2021 00:28	WG1757539	
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 00:28	WG1757539	
Ethylbenzene	U		0.137	0.500	1	10/15/2021 00:28	WG1757539	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 00:28	WG1757539	
2-Hexanone	U		0.787	5.00	1	10/15/2021 00:28	WG1757539	
n-Hexane	U		0.749	5.00	1	10/15/2021 00:28	WG1757539	
Iodomethane	U		0.554	5.00	1	10/15/2021 00:28	WG1757539	
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 00:28	WG1757539	
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 00:28	WG1757539	
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 00:28	WG1757539	
Methylene Chloride	U		0.430	2.50	1	10/15/2021 00:28	WG1757539	
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 00:28	WG1757539	
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 00:28	WG1757539	
Naphthalene	U	UJ	~~C3~~ 0.174	2.50	1	10/15/2021 00:28	WG1757539	
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 00:28	WG1757539	
Styrene	U		0.118	0.500	1	10/15/2021 00:28	WG1757539	
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 00:28	WG1757539	

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 00:28	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 00:28	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 00:28	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 00:28	WG1757539
1,2,3-Trichlorobenzene	U UJ	~~C3~~	0.164	0.500	1	10/15/2021 00:28	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 00:28	WG1757539
1,1,1-Trichloroethane	U UJ	~~J4~~	0.149	0.500	1	10/15/2021 00:28	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 00:28	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 00:28	WG1757539
Trichlorofluoromethane	U UJ		0.160	2.50	1	10/15/2021 00:28	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 00:28	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 00:28	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 00:28	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 00:28	WG1757539
Vinyl acetate	U UJ		0.692	5.00	1	10/15/2021 00:28	WG1757539
Vinyl chloride	U	~~J4~~	0.234	0.500	1	10/15/2021 00:28	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 00:28	WG1757539
(S) Toluene-d8	*97.8*			*80.0-120*		*10/15/2021 00:28*	WG1757539
(S) 4-Bromofluorobenzene	*96.4*			*77.0-126*		*10/15/2021 00:28*	WG1757539
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*10/15/2021 00:28*	WG1757539

Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	
Acetone	U		11.3	25.0	1	10/15/2021 00:48	WG1757539	
Acrylonitrile	U		0.671	5.00	1	10/15/2021 00:48	WG1757539	
Benzene	U	J4	0.0941	0.500	1	10/15/2021 00:48	WG1757539	
Bromobenzene	U		0.118	0.500	1	10/15/2021 00:48	WG1757539	
Bromodichloromethane	U		0.136	0.500	1	10/15/2021 00:48	WG1757539	
Bromochloromethane	U		0.128	0.500	1	10/15/2021 00:48	WG1757539	
Bromoform	U		0.129	0.500	1	10/15/2021 00:48	WG1757539	
Bromomethane	U	UJ	0.605	2.50	1	10/15/2021 00:48	WG1757539	
n-Butylbenzene	U		0.157	0.500	1	10/15/2021 00:48	WG1757539	
sec-Butylbenzene	U		0.125	0.500	1	10/15/2021 00:48	WG1757539	
tert-Butylbenzene	U		0.127	0.500	1	10/15/2021 00:48	WG1757539	
Carbon disulfide	U		0.0962	0.500	1	10/15/2021 00:48	WG1757539	
Carbon tetrachloride	U		0.128	0.500	1	10/15/2021 00:48	WG1757539	
Chlorobenzene	U		0.117	0.500	1	10/15/2021 00:48	WG1757539	
Chlorodibromomethane	U		0.140	0.500	1	10/15/2021 00:48	WG1757539	
Chloroethane	U		0.192	2.50	1	10/15/2021 00:48	WG1757539	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/15/2021 00:48~~	~~WG1757539~~	R
Chloroform	U	UJ	J4	0.111	0.500	1	10/15/2021 00:48	WG1757539
Chloromethane	U		0.960	1.25	1	10/15/2021 00:48	WG1757539	
2-Chlorotoluene	U		0.106	0.500	1	10/15/2021 00:48	WG1757539	
4-Chlorotoluene	U		0.114	0.500	1	10/15/2021 00:48	WG1757539	
1,2-Dibromo-3-Chloropropane	U	UJ	C3	0.276	2.50	1	10/15/2021 00:48	WG1757539
1,2-Dibromoethane	U		0.126	0.500	1	10/15/2021 00:48	WG1757539	
Dibromomethane	U		J4	0.122	0.500	1	10/15/2021 00:48	WG1757539
1,2-Dichlorobenzene	U		0.107	0.500	1	10/15/2021 00:48	WG1757539	
1,3-Dichlorobenzene	U		0.299	0.500	1	10/15/2021 00:48	WG1757539	
1,4-Dichlorobenzene	U		0.120	0.500	1	10/15/2021 00:48	WG1757539	
Dichlorodifluoromethane	U	UJ	0.374	2.50	1	10/15/2021 00:48	WG1757539	
1,1-Dichloroethane	U		0.100	0.500	1	10/15/2021 00:48	WG1757539	
1,2-Dichloroethane	U		0.0819	0.500	1	10/15/2021 00:48	WG1757539	
1,1-Dichloroethene	U		0.188	0.500	1	10/15/2021 00:48	WG1757539	
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/15/2021 00:48	WG1757539	
trans-1,2-Dichloroethene	U		J4	0.149	0.500	1	10/15/2021 00:48	WG1757539
1,2-Dichloropropane	U		0.149	0.500	1	10/15/2021 00:48	WG1757539	
1,1-Dichloropropene	U		0.142	0.500	1	10/15/2021 00:48	WG1757539	
1,3-Dichloropropane	U		0.109	1.00	1	10/15/2021 00:48	WG1757539	
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/15/2021 00:48	WG1757539	
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/15/2021 00:48	WG1757539	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/15/2021 00:48	WG1757539	
2,2-Dichloropropane	U		J4	0.161	0.500	1	10/15/2021 00:48	WG1757539
Di-isopropyl ether	U		0.105	0.500	1	10/15/2021 00:48	WG1757539	
Ethylbenzene	U		0.137	0.500	1	10/15/2021 00:48	WG1757539	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/15/2021 00:48	WG1757539	
2-Hexanone	U		0.787	5.00	1	10/15/2021 00:48	WG1757539	
n-Hexane	U		0.749	5.00	1	10/15/2021 00:48	WG1757539	
Iodomethane	U		0.554	5.00	1	10/15/2021 00:48	WG1757539	
Isopropylbenzene	U		0.105	0.500	1	10/15/2021 00:48	WG1757539	
p-Isopropyltoluene	U		0.120	0.500	1	10/15/2021 00:48	WG1757539	
2-Butanone (MEK)	U		1.19	5.00	1	10/15/2021 00:48	WG1757539	
Methylene Chloride	U		0.430	2.50	1	10/15/2021 00:48	WG1757539	
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/15/2021 00:48	WG1757539	
Methyl tert-butyl ether	U		0.101	0.500	1	10/15/2021 00:48	WG1757539	
Naphthalene	U	UJ	C3	0.174	2.50	1	10/15/2021 00:48	WG1757539
n-Propylbenzene	U		0.0993	0.500	1	10/15/2021 00:48	WG1757539	
Styrene	U		0.118	0.500	1	10/15/2021 00:48	WG1757539	
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/15/2021 00:48	WG1757539	

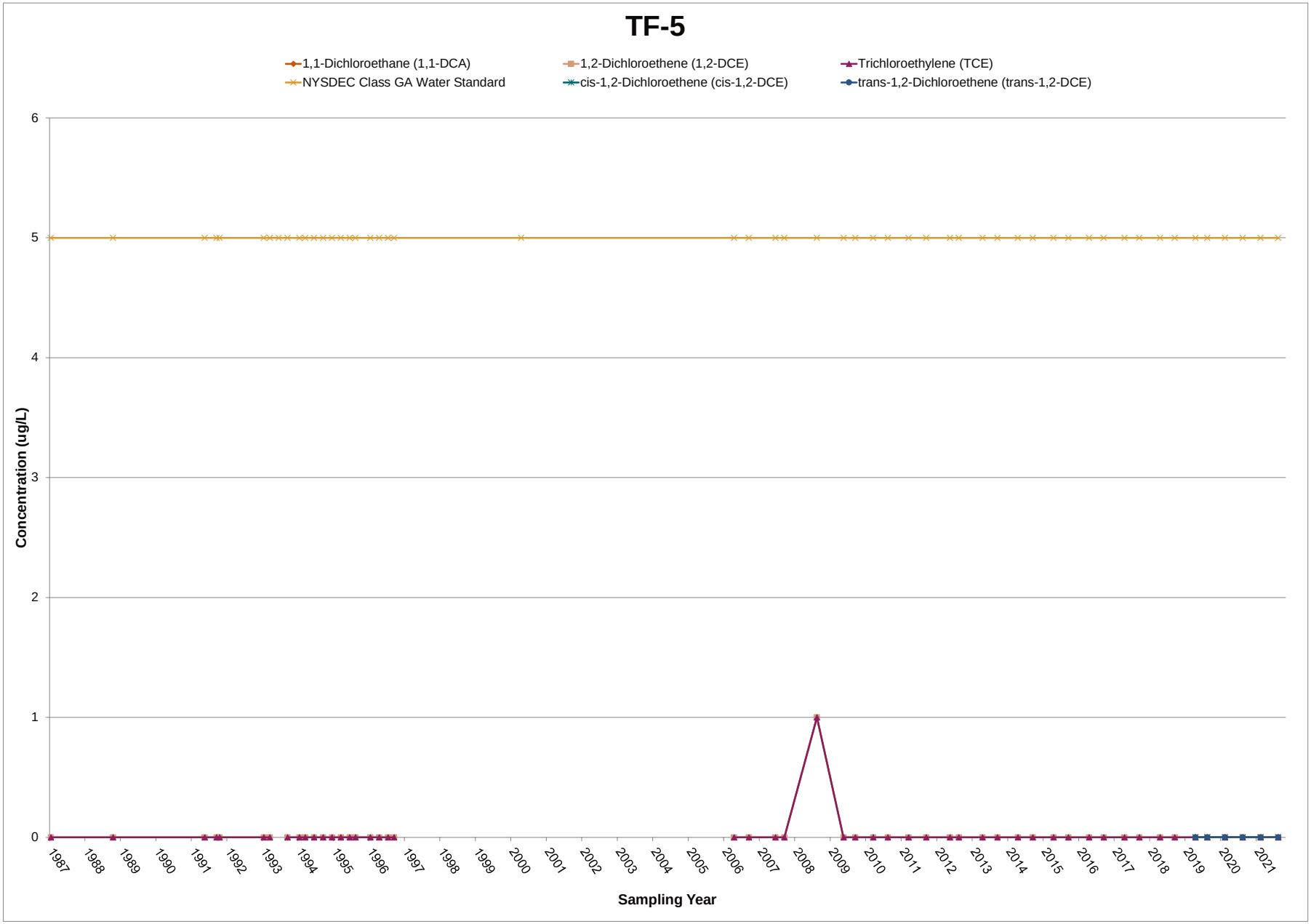
Volatile Organic Compounds (GC/MS) by Method 524M/8260C

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/15/2021 00:48	WG1757539
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/15/2021 00:48	WG1757539
Tetrachloroethene	U		0.300	0.500	1	10/15/2021 00:48	WG1757539
Toluene	U		0.278	0.500	1	10/15/2021 00:48	WG1757539
1,2,3-Trichlorobenzene	U	UJ C3	0.164	0.500	1	10/15/2021 00:48	WG1757539
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/15/2021 00:48	WG1757539
1,1,1-Trichloroethane	U	UJ J4	0.149	0.500	1	10/15/2021 00:48	WG1757539
1,1,2-Trichloroethane	U		0.158	0.500	1	10/15/2021 00:48	WG1757539
Trichloroethene	U		0.190	0.500	1	10/15/2021 00:48	WG1757539
Trichlorofluoromethane	U	UJ	0.160	2.50	1	10/15/2021 00:48	WG1757539
1,2,3-Trichloropropane	U		0.237	2.50	1	10/15/2021 00:48	WG1757539
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/15/2021 00:48	WG1757539
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 00:48	WG1757539
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/15/2021 00:48	WG1757539
Vinyl acetate	U	UJ	0.692	5.00	1	10/15/2021 00:48	WG1757539
Vinyl chloride	U	J4	0.234	0.500	1	10/15/2021 00:48	WG1757539
Xylenes, Total	U		0.174	1.50	1	10/15/2021 00:48	WG1757539
(S) Toluene-d8	*99.4*			*80.0-120*		*10/15/2021 00:48*	WG1757539
(S) 4-Bromofluorobenzene	*99.5*			*77.0-126*		*10/15/2021 00:48*	WG1757539
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*10/15/2021 00:48*	WG1757539

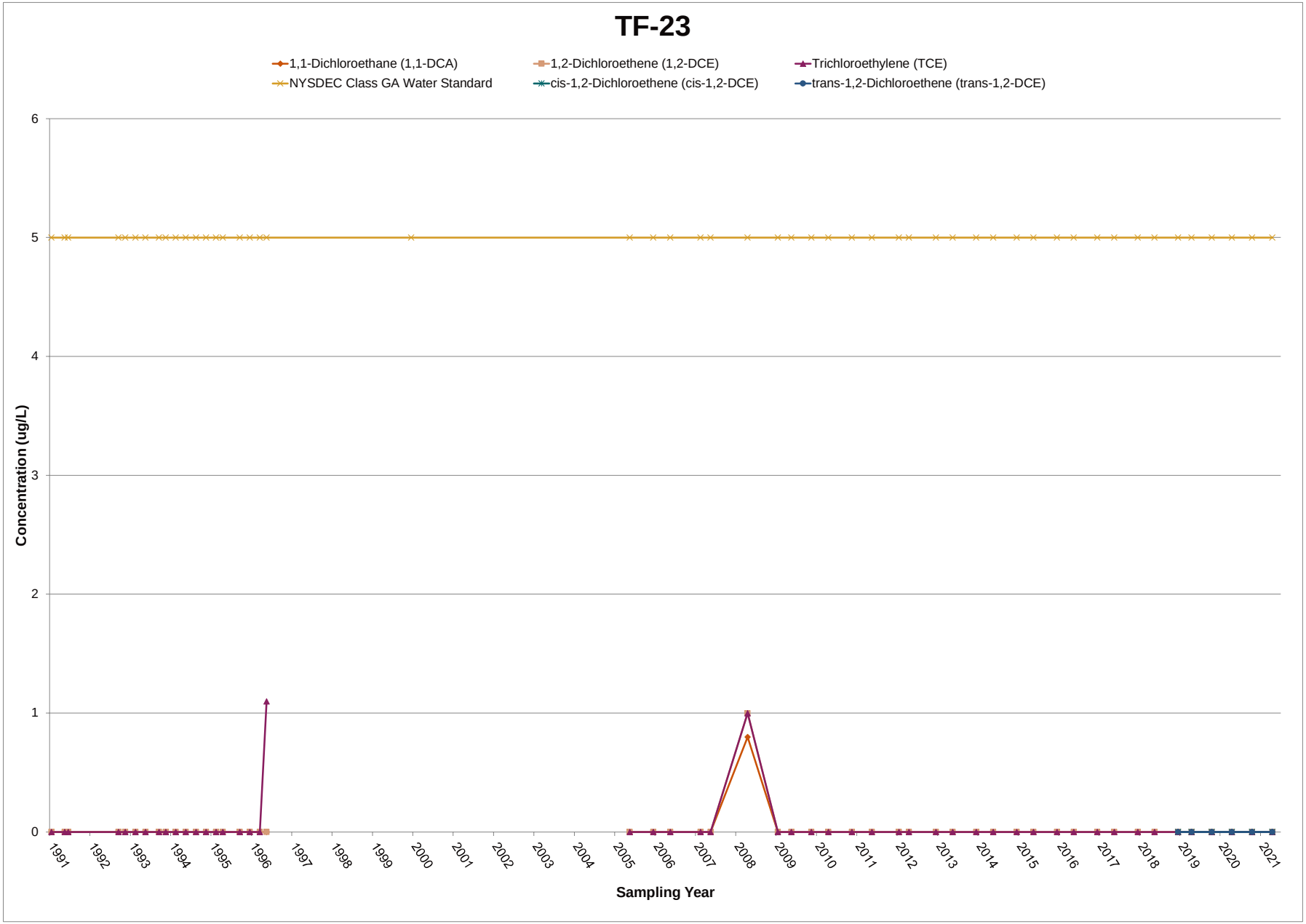
Appendix D

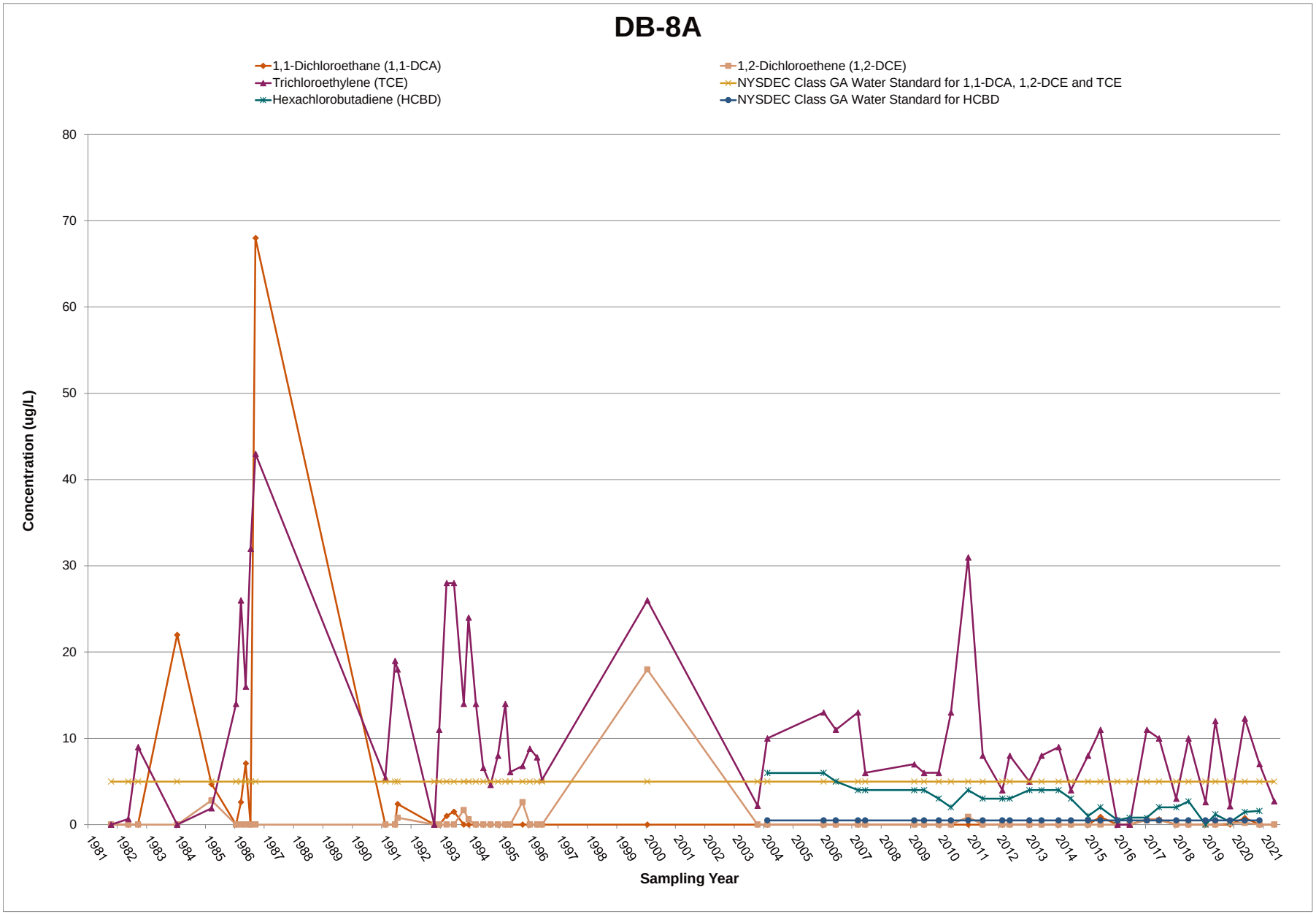
Analytical Charts

Appendix D - Analytical Charts
2021 Order on Consent Groundwater Monitoring Report
TF-5 Trend Analysis
Former Washington Avenue Tank Farm Parcel (OU-1C)
Former Texaco Research Center Beacon
Glenham, New York

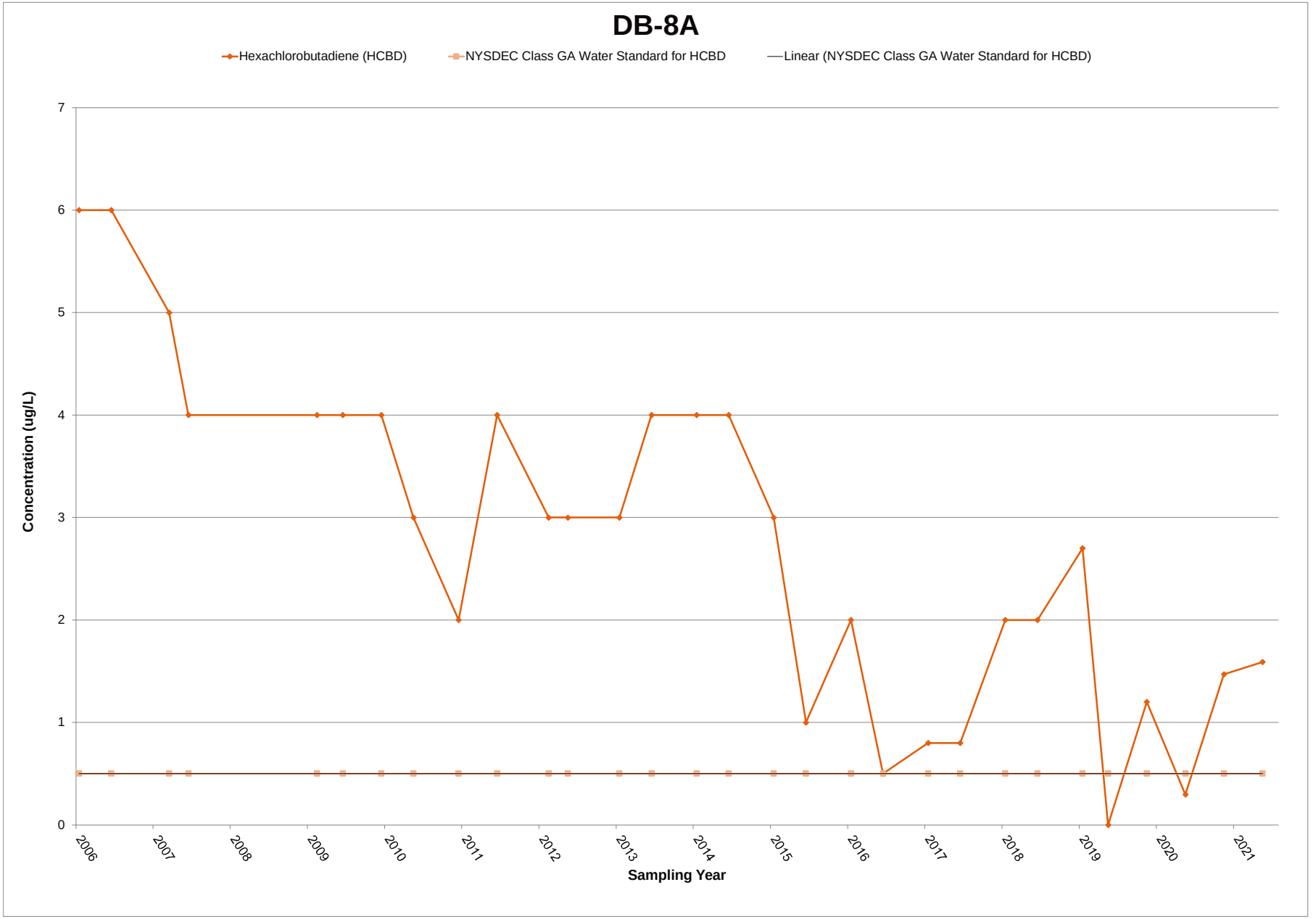


Appendix D - Analytical Charts
2021 Order on Consent Groundwater Monitoring Report
TF-23 Trend Analysis
Former Washington Avenue Tank Farm Parcel (OU-1C)
Former Texaco Research Center Beacon
Glenham, New York

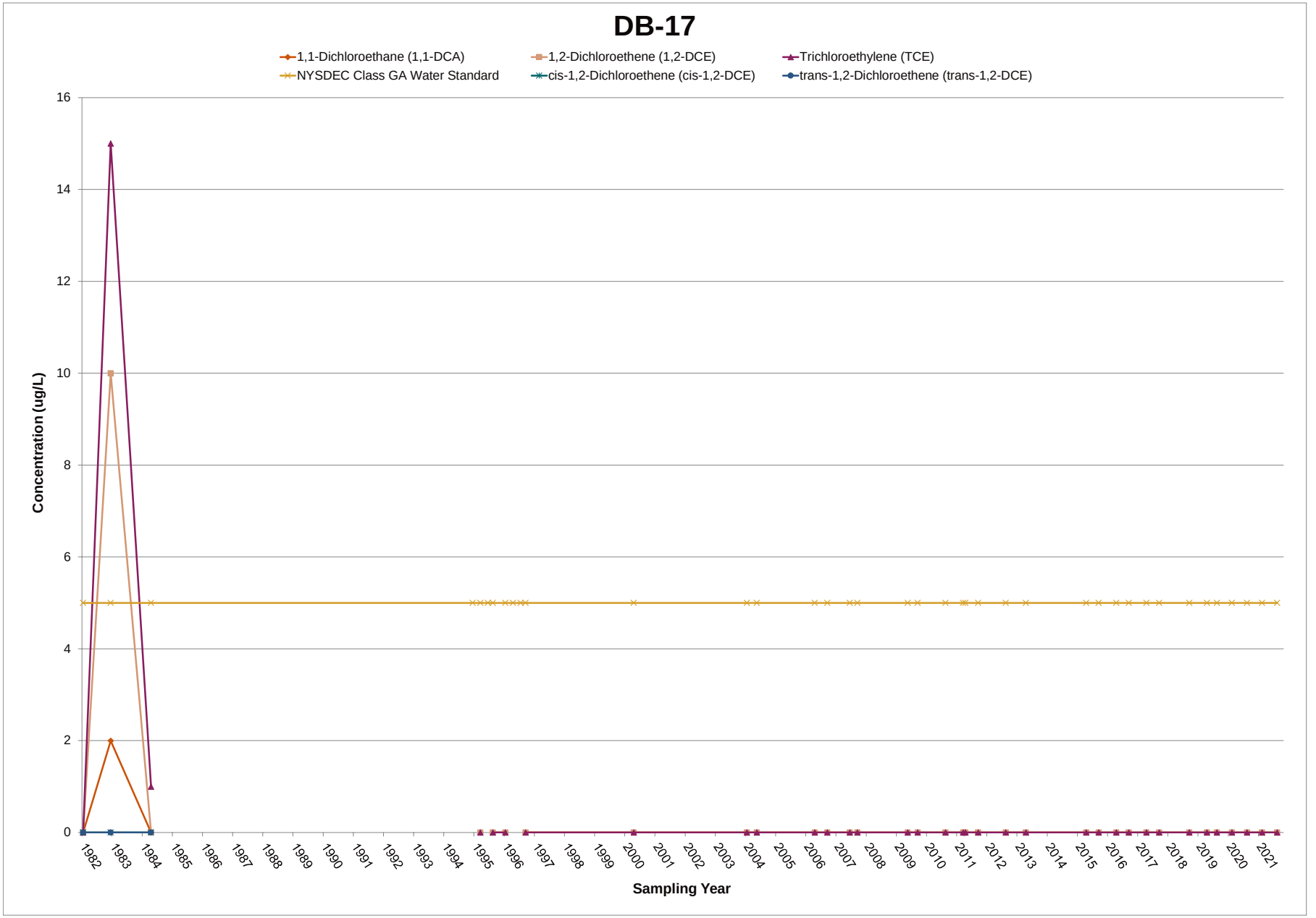



DB-8A
1,1-Dichloroethane (1,1-DCA)
Trichloroethylene (TCE)
Hexachlorobutadiene (HCBD)
1,2-Dichloroethene (1,2-DCE)
NYSDEC Class GA Water Standard for 1,1-DCA, 1,2-DCE and TCE
NYSDEC Class GA Water Standard for HCBD
Concentration (ug/L)
0
10
20
30
40
50
60
70
80
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
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2002
2003
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2009
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2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
Sampling Year

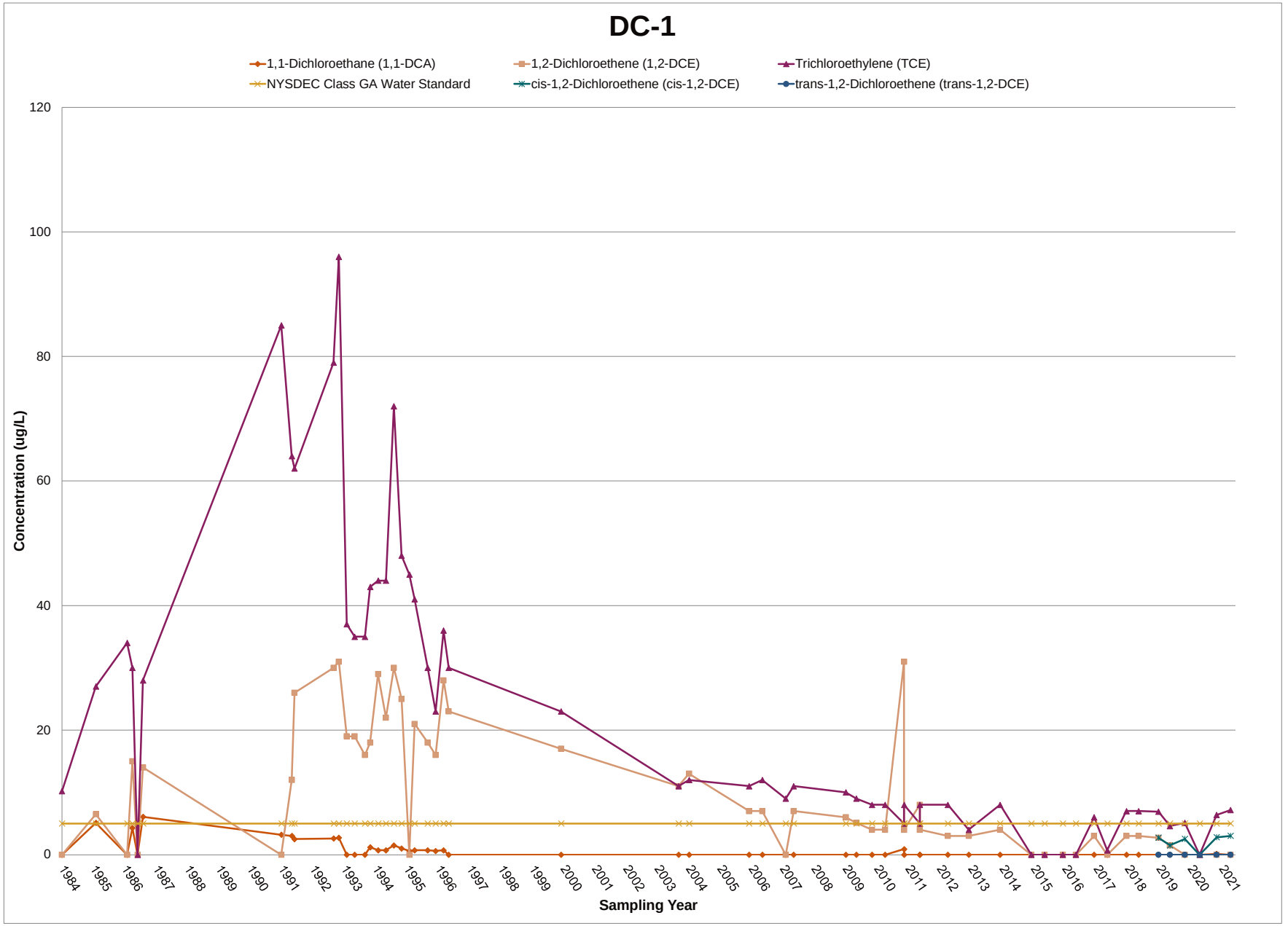
Appendix D - Analytical Charts
2021 Order on Consent Groundwater Monitoring Report
DB-8A Trend Analysis (HCBD)
Back 93-acre Parcel (OU-1E)
Former Texaco Research Center Beacon
Glenham, New York

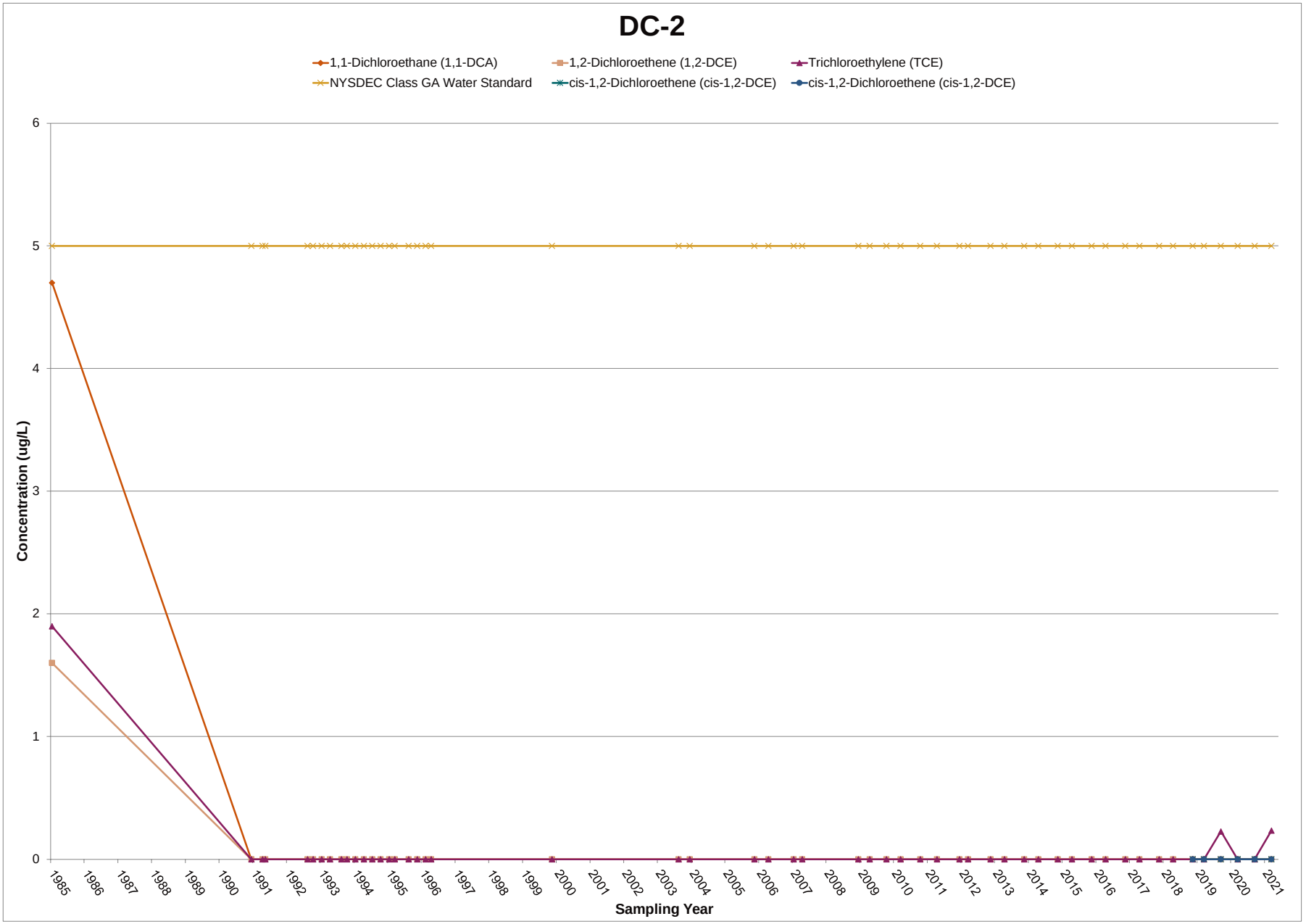


Appendix D - Analytical Charts
2021 Order on Consent Groundwater Monitoring Report
DB-17 Trend Analysis
Back 93-acre Parcel (OU-1E)
Former Texaco Research Center Beacon
Glenham, New York

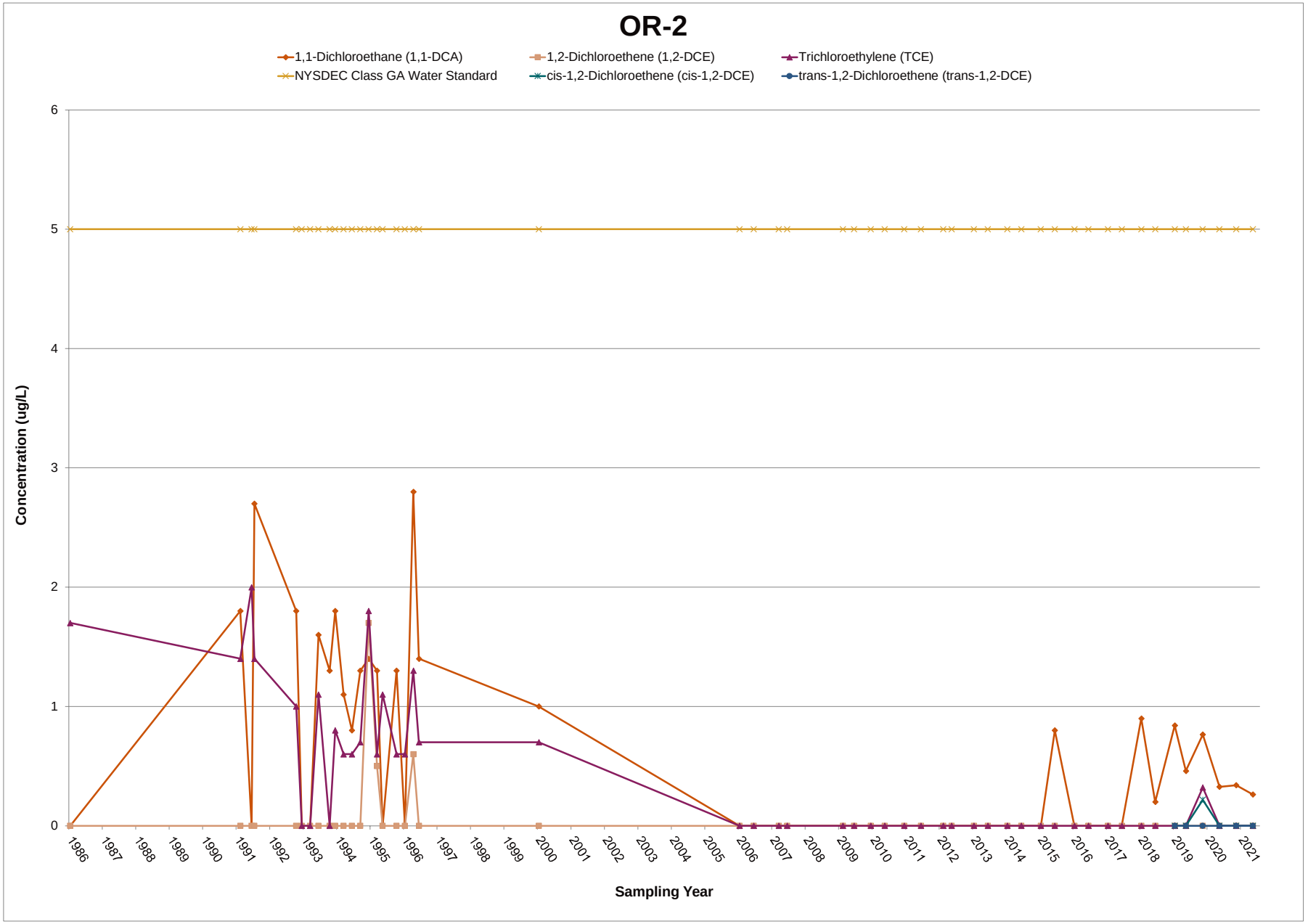


Appendix D - Analytical Charts
2021 Order on Consent Groundwater Monitoring Report
DC-1 Trend Analysis
Back 93-acre Parcel (OU-1E)
Former Texaco Research Center Beacon
Glenham, New York

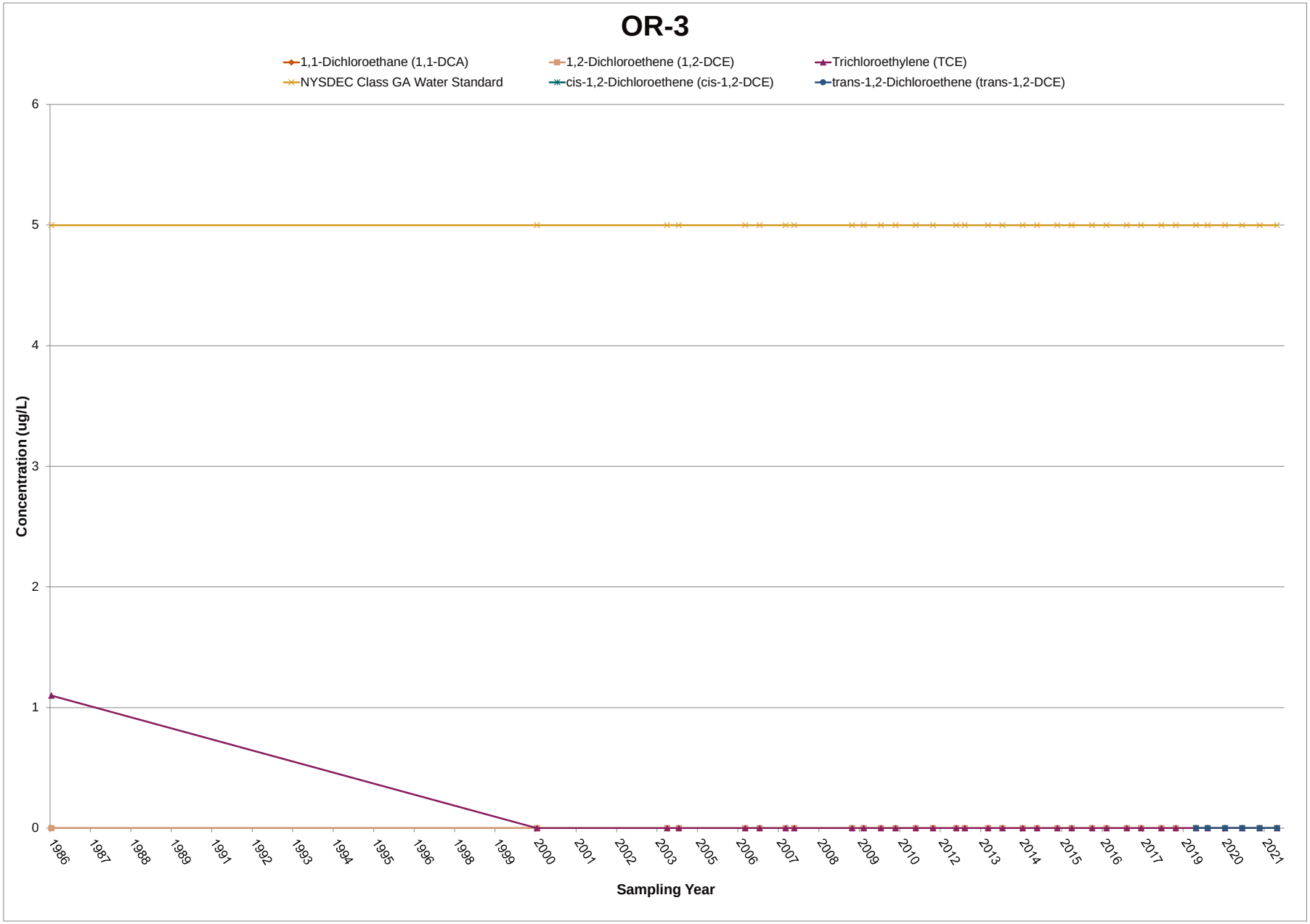


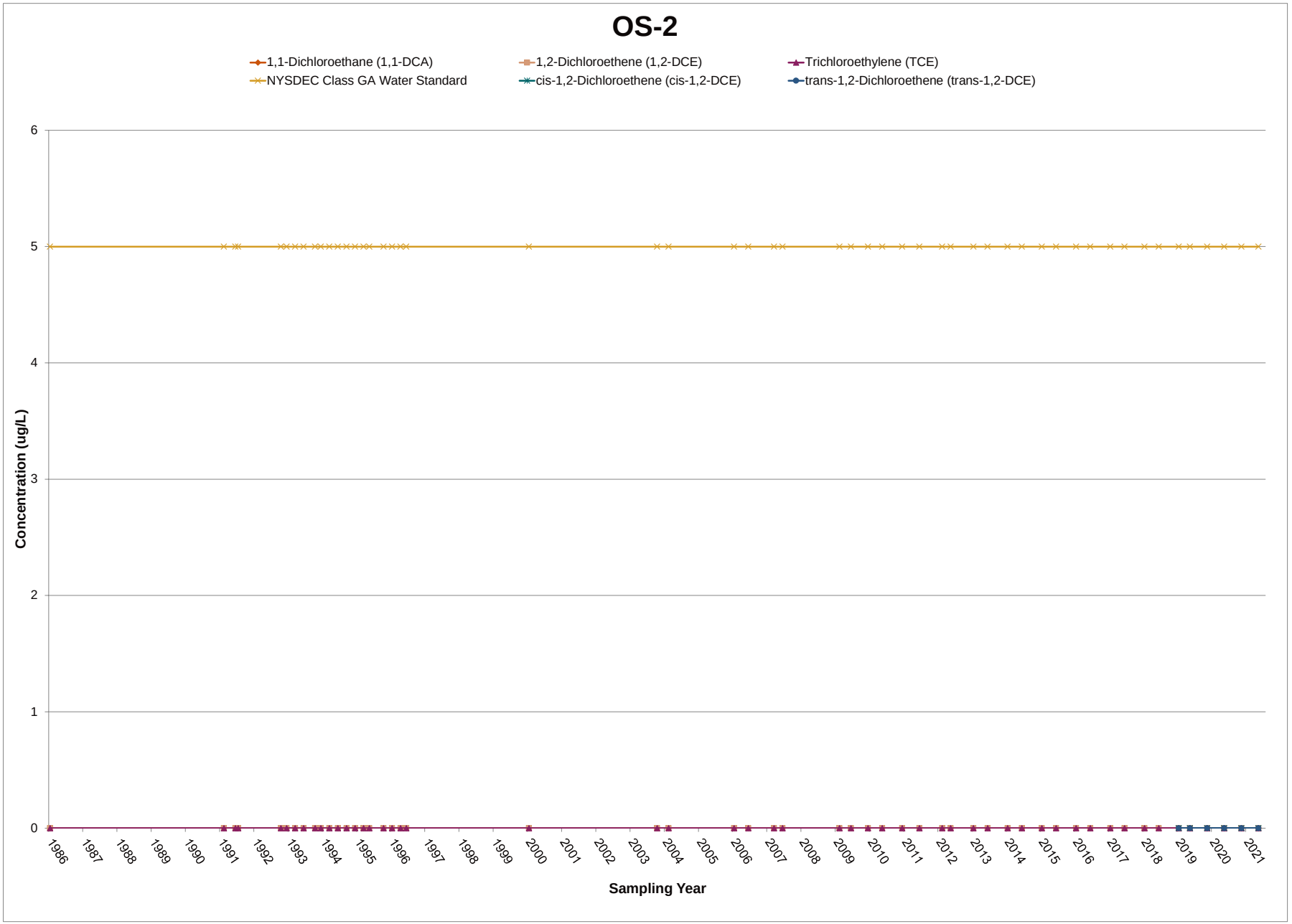

DC-2
1,1-Dichloroethane (1,1-DCA)
1,2-Dichloroethene (1,2-DCE)
Trichloroethylene (TCE)
NYSDEC Class GA Water Standard
cis-1,2-Dichloroethene (cis-1,2-DCE)
cis-1,2-Dichloroethene (cis-1,2-DCE)
Concentration (ug/L)
0
1
2
3
4
5
6
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
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2006
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2012
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2014
2015
2016
2017
2018
2019
2020
2021
Sampling Year

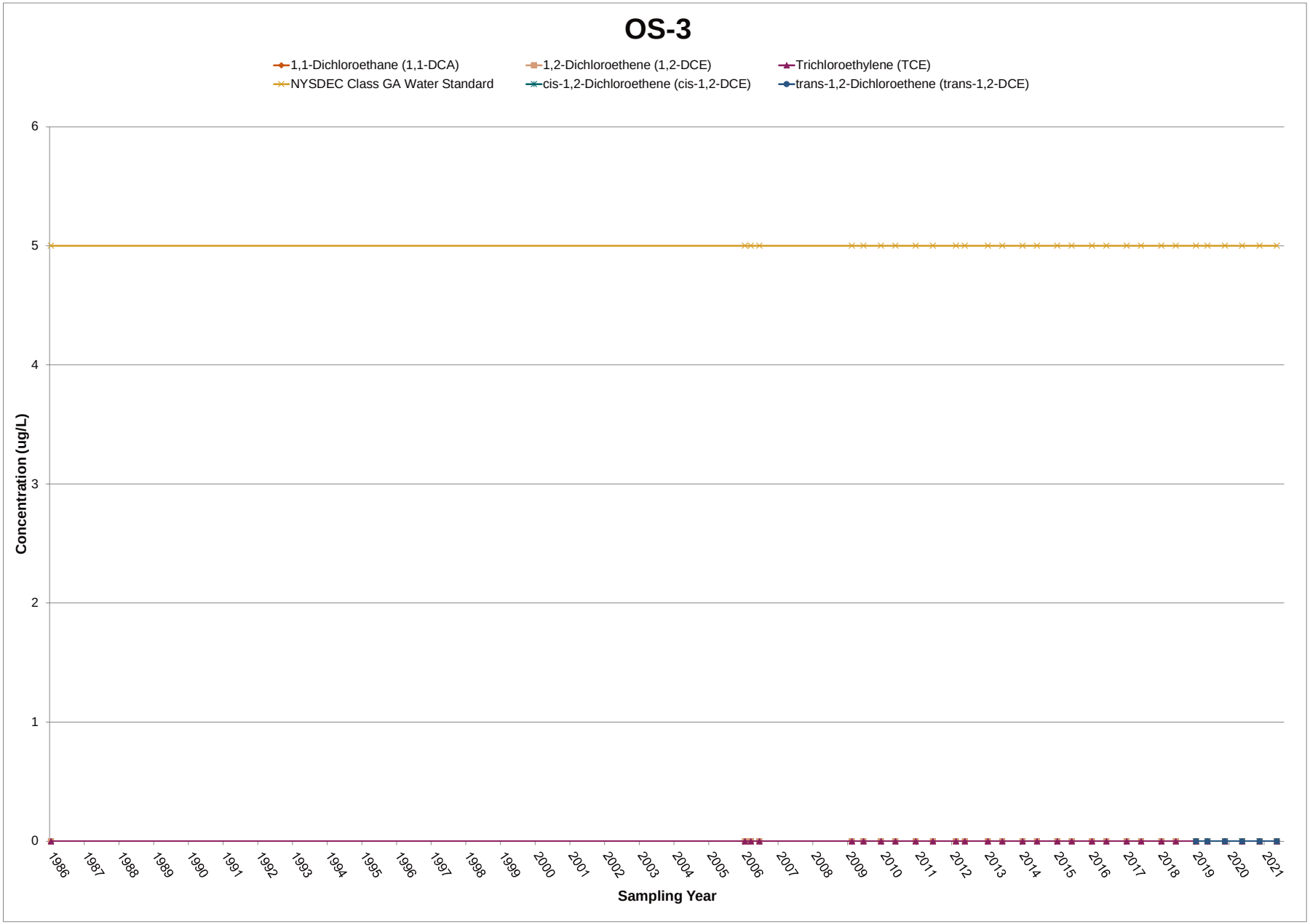
Appendix D - Analytical Charts
2021 Order on Consent Groundwater Monitoring Report
OR-2 Trend Analysis
Belvedere Road (Offsite)
Former Texaco Research Center Beacon
Glenham, New York



Appendix D - Analytical Charts
2021 Order on Consent Groundwater Monitoring Report
OR-3 Trend Analysis
Belvedere Road (Offsite)
Former Texaco Research Center Beacon
Glenham, New York




OS-2
1,1-Dichloroethane (1,1-DCA)
1,2-Dichloroethene (1,2-DCE)
Trichloroethylene (TCE)
NYSDEC Class GA Water Standard
cis-1,2-Dichloroethene (cis-1,2-DCE)
trans-1,2-Dichloroethene (trans-1,2-DCE)
Concentration (ug/L)
0
1
2
3
4
5
6
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
Sampling Year


OS-3
1,1-Dichloroethane (1,1-DCA)
1,2-Dichloroethene (1,2-DCE)
Trichloroethylene (TCE)
NYSDEC Class GA Water Standard
cis-1,2-Dichloroethene (cis-1,2-DCE)
trans-1,2-Dichloroethene (trans-1,2-DCE)
Concentration (ug/L)
0
1
2
3
4
5
6
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
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