Chevron Environmental Management Company

2023 Order on Consent Groundwater Monitoring Report

Former Texaco Research Center Beacon
Glenham, New York

October 2024

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Glenham, New York

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Acronyms and Abbreviations

ASP	Analytical Services Protocol
AST	Above ground storage tank
Arcadis	Arcadis of New York, Inc.
btic	below top of inner casing
CEMC	Chevron Environmental Management Company
DER	Division of Environmental Remediation
DTW	depth to water
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
OU	Operable Unit
PAH	Polycyclic aromatic hydrocarbon
Permit	Part 373 Hazardous Waste Management Permit No. 3-1330-00048/16-0
QA	Quality assurance
QC	Quality control
RCRA	Resource Conservation and Recovery Act
SCO	Soil cleanup objectives
SVOCs	Semi-Volatile Organic Compounds
TCE	Trichloroethene
Pace Analytical	Pace Analytical National Center for Testing & Innovation.
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

Qualified Environmental Professional Certification

I, Krista Hankins Mastrocola, certify that I am currently a New York State registered Professional Engineer as defined in 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 and that this 2023 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.

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1 Introduction

On behalf of Chevron Environmental Management Company (CEMC), Arcadis of New York, Inc. (Arcadis) has prepared this 2023 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 No. 03-1112-08-12, Site No. 314004). The order requires the semiannual collection of groundwater samples from two parcels onsite, specifically the former Recreation Area (also known as the Back 93 Acres or Operable Unit [OU] OU-1E and the Tank Farm (also known as the Washington Avenue Tank Farm [WATF] or OU-1C) Area at the Former TRCB facility, as well as down gradient of the recreation area offsite, along Belvedere Rd.

This annual report contains a description of the groundwater monitoring activities conducted in April and October 2023. 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 Part 373 Hazardous Waste Management Permit No. 3-1330-00048/16-0 (permit). 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. A dam previously used for generating hydroelectric power spans the creek within the boundaries of the Site. 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. OU-2 is primarily an active County road, located along Washington Avenue south of the Creek and adjacent to OU-1C, the WATF. Finally, the Back 93 Acre parcel (OU-1E) comprises the remaining site area south of the creek, WATF 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 (OU-1C) 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 94-acre undeveloped property located south of Fishkill Creek and Washington Avenue. The OU-1E area formerly included recreational structures (a washroom, storage shed, tennis court and picnic shelter). These structures were removed during the sitewide building demolition project between 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. 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 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 4,900 cubic yards or 10,600 tons of were excavated to address volatile organic compounds (VOC) and semi-volatile organic compound (SVOC) (polycyclic aromatic hydrocarbon [PAH]) exceedances to 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 2023 have been compared to the Class GA Groundwater Standards and Guidance Values published in Technical and Operational Guidance Series (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 those wells monitored and the sampling methods implemented during the field activities conducted in April and October 2023.

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 2023. **Figures 2** and **3** depict the location of the groundwater monitoring wells sampled.

Former Washington Avenue Tank Farm (OU-1C)

- TF-5
- TF-23

Back 93-Acre parcel (OU-1E):

- DC-1
- DC-2
- DB-8A
- DB-17

Belvedere Road (Offsite)

- OS-2
- OR-2
- OS-3
- OR-3

2.2 Field Methods

2.2.1 Monitoring Well Condition Inspection

An inspection of each monitoring well was performed before sampling activities were initiated 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. Results of the conditions survey are detailed in Section 4.

2.2.2 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 well casing was recorded in the field logbook. The probe was decontaminated 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 wells. The groundwater gauging data is provided for the April and October sampling events in **Table 1** and **Table 2** respectively and 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 NYSDECs Spill Guidance Manual Appendix N – Sample Collection Protocols. A peristaltic pump was used for purging groundwater while a dedicated Teflon bailer was used for 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. If drawdown was observed, the tubing was lowered, as needed, to accommodate the dropping water level. If the well was pumped to near dry at a rate less than 0.5 gallons per minute, the well was left to return to at least 80% of its pre-pumping groundwater level prior to collecting any samples.

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**.

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 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 VOCs during shipping and field handling procedures. The trip blank consisted of a VOC vial filled with analyte-free water supplied by the laboratory, taken to the sampling site, and transported back to the laboratory without having been exposed to sampling procedures while remaining with samples as collected. Trip blanks were only analyzed in association with samples collected for VOC analysis.

2.3.1.2 Equipment Rinse Blanks

Three equipment rinse blanks were collected per event to monitor the cleanliness of the sampling equipment and the effectiveness of the decontamination procedures. Rinse blanks were collected and submitted for analysis at a frequency of one per day when re-useable sample equipment cleaning occurred. The rinse blanks were 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.

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 procedures as the parent samples. Field duplicates were collected at monitoring well OR-2 during April 2023 and DB-17 during October 2023 sampling events. 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 methods for that specific sample. One MS/MSD sample set was collected per event. These samples were collected at monitoring well OR-3 during the April and October monitoring events. 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, National Center for Testing & Innovation. Pace Analytical provided a NYSDEC Analytical Service Protocol Category B data deliverable package to facilitate data validation. The laboratory analytical packages are provided in **Appendix B**.

2.3.3 Data Validation Report

All samples were collected by Arcadis and analyzed by Pace Analytical, National Center for Testing & Innovation. The results data package prepared by the laboratory was reviewed and validated, by third party Arcadis staff. The review was prepared and conducted as a Tier III evaluation and includes review of the data packages for completeness. The following deficiencies were identified:

- The analyte 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.
- The analyte 4-nitrophenol indicated a continuing calibration deviation from the control limit. Non-detect results were qualified as rejected.

All other analytical data collected from the groundwater investigation programs were found to be acceptable in terms of deliverable completeness, accuracy, precision, representativeness, and comparability. Minor

modifications to laboratory qualifiers not affecting the usability of the analytical results are identified in the data validation reports. Results of the data validation 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 2023. Trend plots detailing the groundwater analysis results from the 1980s through to 2023 are provided in **Appendix D**. These results indicate decreasing concentrations over the years at asymptotic levels or below groundwater criteria.

3.1 Monitoring Well Inspection and Gauging

3.1.1 April 2023 Inspection and Gauging

On April 12, 2023, nine monitoring wells including DC-1, DC-2, TF-23, DB-8A, DB-17, OS-2, OR-2, OS-3, and OR-3 located on the Recreation Area, Tank Farm and 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 with the exception with the exception of TF-5 which was inaccessible due to the presence of wasps. As a result, it was not gauged or sampled. Efforts were made to physically remove the wasps, however the pest remained present during the event. DTW ranged from 3.32 feet below the top of inner casing (btic) (DC-2) to 21.02 feet btic (OR-3). LNAPL was not detected in any of the monitoring wells gauged. **Table 1** summarizes groundwater elevations for all wells gauged in this sampling event.

Groundwater contours were prepared for the April 2023 event based on gauging data collected at the site and are depicted in a potentiometric map included in this report as **Figures 4** and **6**. Based on the observations recorded, it is inferred that overburden groundwater in monitoring wells TF-5, TF-23, and DC-2 is flowing to the north toward Fishkill Creek and groundwater in the area of overburden monitoring wells DB-8A, DB-17, OS-2, and OS-3 is flowing to the East toward the unnamed creek. This unnamed creek flows to the northeast, into Fishkill Creek. Groundwater within the bedrock formation monitoring wells, OR-2 and OR-3, indicated a groundwater flow may be flowing to the south away from the unnamed creek, however additional data points would be needed to present a stronger confirmation of this inference.

3.1.2 October 2023 Inspection and Gauging

On October 25, 2023, 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 Recreation Area, Tank Farm and 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 with the exception of an access issue at OS-3 (detailed in Section 4) that was remedied during the event. DTW ranged from 1.33 feet btic (OS-3) to 13.27 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 during this sampling event.

Groundwater contours were prepared for the October 2023 event based on gauging data collected at the site and are depicted in a potentiometric map included in this report as **Figures 5** and **6**. Based on the observations recorded, it is inferred that overburden groundwater in monitoring wells TF-5, TF-23 and DC-2 is flowing to the

north toward Fishkill Creek and groundwater in the area of overburden monitoring wells DB-8A, DB-17, OS-2, and OS-3 is flowing to the east toward the unnamed creek. This unnamed creek flows to the northeast, into Fishkill Creek. Groundwater within the bedrock formation monitoring wells, OR-2 and OR-3, indicated groundwater flow may be flowing to the south away from the unnamed creek, however additional data points would be needed to present a stronger confirmation of this inference.

3.2 Groundwater Monitoring Results

3.2.1 April 2023 Groundwater Monitoring

Between April 12, 13 and 14, 2023, groundwater samples were collected from nine monitoring wells including DC-2, DC-1, TF-23, DB-8A, OS-2, OR-2, OS-3, DB-17, and OR-3 located on the Recreation Area, Tank Farm and offsite and submitted to Pace Analytical, for analysis. In order 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 VOCs via United States Environmental Protection Agency (USEPA) Method 8260C, 8260C-SIM, 8260-low level; SVOCs via USEPA Method 8270D, 8270D-SIM, 8270-low level- PAHs and dissolved lead via USEPA Method 6020.

Three constituents were detected above the New York (NY) TOGS Class GA Groundwater Standards as shown in **Table 3**:

- Trichloroethene (TCE) was detected in monitoring wells DB-8A (8.56 micrograms per liter [µg/L]) and DC-1 (5.55 µg/L) above the NY TOGS Class GA Groundwater Standard of 5 µg/L.
- Hexachlorobutadiene was detected in monitoring wells DB-8A (0.866 J µg/L) and DC-1 (0.562 J µg/L) above the NY TOGS Class GA Groundwater Standard of 0.5 µg/L.
- 1,4-Dioxane was detected in monitoring well DB-8A (6.35 µg/L) above the NY TOGS Class GA Groundwater Standard of 1.0 µg/L.

Note: J -The identification of the analyte is acceptable; the reported value is an estimate.

The analytical results for the April 2023 sampling event are summarized in **Table 3** and depicted in **Figures 7** and **8**.

Of note, the laboratory method of detection limits (reporting limit) for VOC and SVOC analytes were found to be higher than the NY TOGS standards for certain constituents; however, the number of non-detections exceeding standards decreased. The data results are reported as non-detect (ND) and the cells of the select VOCs and SVOCs having this issue are italicized in **Table 3**. Efforts have been 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.

Electronic Data Deliverables (EDDs) for the April 2023 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), and submitted on April 30, 2024, via email to NYENVDATA@dec.ny.gov. A copy of the EDD submittal and acknowledgement is presented in **Appendix B**.

3.2.2 October 2023 Groundwater Monitoring

Between October 25, 26 and 27, 2023, groundwater samples were collected from ten monitoring wells including DC-2, DC-1, DB-17, TF-5, TF-23, DB-8A, OS-2, OR-2, OS-3, and OR-3 located on the Recreation Area, Tank Farm and offsite and submitted to Pace Analytical, for analysis. In order 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 VOCs via USEPA Method 8260C, 8260C-SIM, 8260-low level; SVOCs via USEPA Method 8270D, 8270D-SIM, 8270-low level- PAHs and dissolved lead via USEPA Method 6020.

Six constituents were detected above the NY TOGS Class GA Groundwater Standards as shown in **Table 3**:

- TCE was detected in monitoring wells DB-8A (5.24 µg/L) and DC-1 (5.90 µg/L) above the NY TOGS Class GA Groundwater Standard of 5 µg/L.
- Benzo(b)fluoranthene was detected in monitoring well TF-5 (0.0324 J µg/L) above the NY TOGS Class GA Groundwater Standard of 0.002 µg/L.
- Chrysene was detected in monitoring well TF-5 (0.0215 J µg/L) above the NY TOGS Class GA Groundwater Standard of 0.002 µg/L.
- Indeno(1,2,3-cd)pyrene was detected in monitoring well TF-5 (0.0250 J µg/L) above the NY TOGS Class GA Groundwater Standard of 0.002 µg/L.
- 1,4-Dioxane was detected in monitoring well DB-8A (1.85 µg/L) above the NY TOGS Class GA Groundwater Standard of 1.0 µg/L.
- Hexachlorobutadiene was detected in monitoring wells DB-8A (1.47 J µg/L) above the NY TOGS Class GA Groundwater Standard of 0.5 µg/L.

Note: J -The identification of the analyte is acceptable; the reported value is an estimate.

The analytical results for the October 2023 sampling event are summarized in **Table 3** and depicted in **Figures 7** and **8**.

Of note, the laboratory method of detection limits (reporting limit) for VOC and SVOC analytes were found to be higher than the NY TOGS standards for certain constituents; however, the number of non-detections exceeding standards decreased. The data results are reported as non-detect (ND) and the cells of the select VOCs and SVOCs having this issue are italicized in **Table 3**. Efforts have been 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.

Electronic Data Deliverables (EDDs) for the October 2023 monitoring event were prepared and checked in accordance with the Electronic Data Deliverable (EDD) Format Information for Electronic Data Providers Guidelines (available at www.dec.ny.gov/chemical/62440.html), and submitted on April 30, 2024, via email to NYENVDATA@dec.ny.gov. A copy of the EDD submittal and acknowledgement is presented in **Appendix B**.

3.3 Results Summary

As described in Section 3.2, groundwater samples were collected and analyzed for VOCs, SVOCs and dissolved lead. The results of the 2023 monitoring program indicated a total of 6 analytes exceeding the applicable groundwater standards: benzo(b)fluoranthene, chrysene, Hexachlorobutadiene, indeno(1,2,3-cd)pyrene, trichloroethene, and 1,4-Dioxane. These exceedances were detected at three of the ten monitoring wells included

in the monitoring program: DC-1, TF-5, DB-8A (OU-1E). **Appendix D** includes charts presenting data trends and historical data for select analytes.

Monitoring well DB-8A exhibited TCE concentrations above the NYSDEC Class GA Groundwater Standard during both monitoring events. However, historical groundwater analytical data indicates TCE concentrations have decreased significantly since the start of the Order on Consent monitoring program. In addition, TCE concentrations have remained consistent with recent years data and are stable near the 5 µg/L standard or below.

Monitoring wells OS-2 and OS-3, screened in the overburden soil along Belvedere Road (off-site), have not exhibited any exceedances based on analytical data from the past five years. Monitoring well OR-3 screened in the bedrock did not exhibit any exceedances during the April and October 2023 event.

Three SVOCs were detected above groundwater standards in OU-1C monitoring well TF-5 in October 2023; however, this was expected due to the switch in the analytical methods (low-level and SIM analysis) used during the October 2023 event to reach lower reporting limits. A review of historical data indicated benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene have been previously detected at this location at concentrations above groundwater standards.

Analytical results at monitoring well DB-8A, located offsite near the OU-1E Back 93-Acre parcel, indicated Hexachlorobutadiene, TCE, and 1,4-dioxane were above the NYSDEC Class GA Groundwater Standards in April and October 2023.

Analytical results at monitoring well DC-1 indicated Hexachlorobutadiene and TCE were above the NYSDEC Class GA Groundwater Standards in April and October 2023.

In summary, analytical data collected during the 2023 monitoring events indicated monitoring wells located on the former WATF (OU-1C), specifically TF-23, on the Back 93-Acre parcel (OU-1E) specifically DC-2, and offsite including DB-17 and those along the Belvedere Road OS-2, OS-3, OR-2, OR-3 did not exhibit exceedances above NYSDEC Class GA Groundwater Standards and constituents of concern continue to degrade.

4 Monitoring Well Maintenance Activities

As discussed in Section 2, monitoring wells were inspected and gauged to record any necessary maintenance needs associated with the well construction, integrity, and security. During the October 2023 event, upon initial arrival, monitoring well OS-3 was not visible and assumed to have been buried. Metal detection and soil/asphalt removal was required to locate and access the monitoring well. Top soil and asphalt pavement was likely inadvertently placed during recently completed road improvement efforts that completely covered the monitoring well. It was unearthed and may require adjustment to the surface mounted lid elevation in the future.

In addition, differences between the gauged depth to bottom and total well depth recorded in construction logs were identified in one monitoring well DC-1. To address these discrepancies, Arcadis conducted well redevelopment for the RCRA Order on Consent Monitoring Program wells in December 2020. During redevelopment, monitoring well DC-1 was noted to have a potential construction issue involving a loss of integrity in the well screen. Potential repair to or replacement of DC-1 is being evaluated for future implementation.

5 Conclusion

Sampling results from the Order on Consent monitoring program required as part of the RCRA Permit post closure requirements have remained consistent with past analyses. Seven of the ten monitoring wells sampled in 2023 continue to indicate no exceedances. The observable impacts from TCE at monitoring well DB-8A fluctuate around the New York State Class GA Groundwater Standard threshold. The exceedance of 1,4-dioxane remains localized in monitoring well DB-8A. The groundwater standards in downgradient offsite monitoring wells had no exceedances.

6 References

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Tables

Table 2
2023 Order on Consent Groundwater Monitoring Report
Groundwater Elevations - April 2023
OU-1C and OU-1E Parcels
Former Texaco Research Center Beacon
Glenham, New York

Monitoring Well ID	Date	TOC Elevation (amsl)	Depth to LNAPL (ft btc)	Depth to Water (ft btc)	LNAPL Thickness (ft btc)	GW Elevation (ft amsl)	Piezometric Surface Elevation (ft amsl)	Observations
OU-1C Wells								
TF-5	04/12/2023	207.58	ND	NA	0.00	NA	NA	--
TF-23	04/12/2023	207.20	ND	6.94	0.00	200.26	200.26	--
Back 93 Wells								
DC-1	04/12/2023	229.30	ND	3.62	0.00	225.68	225.68	--
DC-2	04/12/2023	229.10	ND	3.32	0.00	225.78	225.78	--
DB-8A	04/12/2023	232.60	ND	6.76	0.00	225.84	225.84	--
DB-17	04/12/2023	222.87	ND	8.02	0.00	214.85	214.85	--
OR-2	04/12/2023	214.12	ND	6.90	0.00	207.22	207.22	--
OR-3	04/12/2023	208.88	ND	21.02	0.00	187.86	187.86	--
OS-2	04/12/2023	215.56	ND	5.89	0.00	209.67	209.67	--
OS-3	04/12/2023	228.12	ND	3.82	0.00	224.30	224.30	--

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

Table 2
2023 Order on Consent Groundwater Monitoring Report
Groundwater Elevations - October 2023
OU-1C and OU-1E Parcels
Former Texaco Research Center Beacon
Glenham, New York

Monitoring Well ID	Date	TOC Elevation (amsl)	Depth to LNAPL (ft btc)	Depth to Water (ft btc)	LNAPL Thickness (ft btc)	GW Elevation (ft amsl)	Piezometric Surface Elevation (ft amsl)	Observations
OU-1C Wells								
TF-5	10/25/2023	207.58	ND	5.96	0.00	201.62	201.62	--
TF-23	10/25/2023	207.20	ND	6.55	0.00	200.65	200.65	--
Back 93 Wells								
DC-1	10/25/2023	229.30	ND	2.05	0.00	227.25	227.25	--
DC-2	10/25/2023	229.10	ND	2.09	0.00	227.01	227.01	--
DB-8A	10/25/2023	232.60	ND	6.45	0.00	226.15	226.16	--
DB-17	10/25/2023	222.87	ND	7.90	0.00	214.97	214.97	--
OR-2	10/25/2023	214.12	ND	5.04	0.00	209.08	209.08	--
OR-3	10/25/2023	208.88	ND	13.27	0.00	195.61	195.61	--
OS-2	10/25/2023	215.56	ND	5.90	0.00	209.66	209.66	--
OS-3	10/25/2023	228.12	ND	1.33	0.00	226.79	226.79	--

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

Table 3
Groundwater Analytical Results - 2023
2023 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:			DC-1	DC-1	DC-2	DC-2	DB-8A	DB-8A	DB-17	DB-17	DB-17	OR-2
Field Sample ID:			DC-1-W-230414	DC-1-W-231026	DC-2-W-230413	DC-2-W-231026	DB-8A-W-230413	DB-8A-W-231026	DB-17-W-230413	DB-17-W-231026	BD-W-231026	BD-W-230412
Lab Sample ID:			L1605860-08	L1671446-06	L1605860-07	L1671446-05	L1605860-06	L1671446-04	L1605860-05	L1671446-03	L1671446-10	L1605860-11
Date Sampled:			04/14/2023	10/26/2023	04/13/2023	10/26/2023	04/13/2023	10/26/2023	04/13/2023	10/26/2023	10/26/2023	04/12/2023
Sample Matrix:	Units	NY TOGS Class GA Standard	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Volatile Organic Compounds												
1,1,1-Trichloroethane	µg/L	5	0.500 U	0.500 U	0.156 J	0.500 U	0.500 U	0.500 U	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	0.500 U
1,1,2-Trichloro-1,2,2-trifluoroethane	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	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	0.500 U
1,1-Dichloroethane	µg/L	5	0.500 U	0.500 U	0.500 U	0.500 U	0.138 J	0.500 U	0.500 U	0.500 U	0.500 U	0.197 J
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	0.500 U	0.500 U	0.500 U
1,2,3-Trichlorobenzene	µg/L	--	0.500 U	0.500 U J	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
1,2,4-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 J	1.00 U	1.00 U	1.00 U
1,2-Dibromo-3-Chloropropane	µg/L	--	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	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 UJ4	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	0.500 U
1,2-Dichloropropane	µg/L	1	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.175 J	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	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	0.500 U
1,4-Dioxane	µg/L	1	--	--	--	--	6.35	1.85	0..193 B J	0.0779 J	--	--
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	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	5.00 U
4-Methyl-2-pentanone (MIBK)	µg/L	--	5.00 U	5.00 U J	5.00 U	5.00 U J	5.00 U	5.00 U J	5.00 U	5.00 U J	5.00 U J	5.00 U
Acetone	µg/L	50	25.0 U	25.0 U J	25.0 U	25.0 U J	25.0 U	25.0 U J	25.0 U	25.0 U J	25.0 U J	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	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	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 J	2.50 U J
Carbon disulfide	µg/L	60	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	0.500 U J	0.500 U
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	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	0.500 U
Chlorobromomethane	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	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 J	0.500 U	0.500 U
Chloroethane	µg/L	5	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 UJ	2.50 U J	2.50 U J	2.50 U J	2.50 U J	2.50 U J
Chloroform	µg/L	7	0.500 U B	0.500 U B	0.500 U	0.500 U	0.301 J	0.500 U B	0.500 U	0.500 U	0.500 U	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	1.25 U	1.25 U	1.25 U
cis-1,2-Dichloroethene	µg/L	5	2.03	2.29	0.500 U	0.500 U	1.48	0.262 J	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*	*0.500 U*
Cyclohexane	µg/L	--	--	--	--	--	--	--	--	--	--	--
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	0.500 U
Dichlorodifluoromethane	µg/L	--	2.50 U	2.50 U J	2.50 U	2.50 U J	2.50 U	2.50 U J	2.50 U	2.50 U J	2.50 U J	2.50 U
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	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	0.500 U
Isopropylbenzene	µg/L	--	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	0.500 U J
Methyl acetate	µg/L	--	--	--	--	--	--	--	--	--	--	--
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	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	2.50 U
m-Xylene & p-Xylene	µg/L	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	µg/L	--	--	--	--	--	--	--	--	--	--	--
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	0.500 U

See Notes on Page 10.

Table 3
Groundwater Analytical Results - 2023
2023 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:			DC-1	DC-1	DC-2	DC-2	DB-8A	DB-8A	DB-17	DB-17	DB-17	OR-2
Field Sample ID:			DC-1-W-230414	DC-1-W-231026	DC-2-W-230413	DC-2-W-231026	DB-8A-W-230413	DB-8A-W-231026	DB-17-W-230413	DB-17-W-231026	BD-W-231026	BD-W-230412
Lab Sample ID:			L1605860-08	L1671446-06	L1605860-07	L1671446-05	L1605860-06	L1671446-04	L1605860-05	L1671446-03	L1671446-10	L1605860-11
Date Sampled:			04/14/2023	10/26/2023	04/13/2023	10/26/2023	04/13/2023	10/26/2023	04/13/2023	10/26/2023	10/26/2023	04/12/2023
Sample Matrix:	Units	NY TOGS Class GA Standard	Water	Water	Water	Water	Water	Water	Water	Water	Water	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	0.525	0.601	0.500 U
Toluene	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	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	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*	*0.500 U*
Trichloroethene	µg/L	5	5.55	5.90 J	0.500 U	0.238 J	8.56	5.24 J	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 U	2.50 U	2.50 U	2.50 U	2.50 U	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	0.500 U J
Total Conc	µg/L	--	--	--	--	--	--	--	--	--	--	--
Total Estimated Conc. (TICs)	µg/L	--	0.00	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	--	11.1 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U J	10.0 U	10.0 U	10.0 U	10.0 U J
1,2,4,5-Tetrachlorobenzene	µg/L	--	11.1 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	10.0 U J
2,2-oxybis[1-chloropropane]	µg/L	5	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	µg/L	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	µg/L	1	1.11 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U J	1.00 U	1.00 U	1.00 U	1.00 U
2,4,6-Trichlorophenol	µg/L	1	1.11 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U J	1.00 U	1.00 U	1.00 U	1.00 U J
2,4-Dichlorophenol	µg/L	5	5.55 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U J	5.00 U	5.00 U	5.00 U	5.00 U
2,4-Dimethylphenol	µg/L	50	11.1 U	10.0 U B J	10.0 U	10.0 U B J	10.0 U	10.0 U B J	10.0 U	10.0 B J	10.0 U J	10.0 U
2,4-Dinitrophenol	µg/L	10	11.1 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U J
2,4-Dinitrotoluene	µg/L	5	5.55 U	5.00 U	5.00 U	5.00 U	5.00 U J	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U J
2,6-Dinitrotoluene	µg/L	5	5.55 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	5.00 U J
2-Chloronaphthalene	µg/L	10	0.250 U	0.250 U	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
2-Chlorophenol	µg/L	1	1.11 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U J	1.00 U	1.00 U	1.00 U	1.00 U
2-Methylnaphthalene	µg/L	--	0.250 U	0.250 U	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
2-Methylphenol	µg/L	1	1.11 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U J	1.00 U	1.00 U	1.00 U	1.00 U
2-Nitroaniline	µg/L	5	11.1 U J	10.0 U	10.0 U J	10.0 U	10.0 U J	10.0 U	10.0 U J	10.0 U	10.0 U	10.0 U J
2-Nitrophenol	µg/L	1	11.1 U J	10.0 U	10.0 U J	10.0 U	10.0 U J	10.0 U J	10.0 U J	10.0 U	10.0 U	10.0 U J
3,3-Dichlorobenzidine	µg/L	5	11.1 U	10.0 U	10.0 U	10.0 U J	10.0 U	10.0 U J	10.0 U	10.0 U J	10.0 U	10.0 U
3-Nitroaniline	µg/L	5	5.55 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U J	5.00 U	5.00 U	5.00 U	5.00 U
4,6-Dinitro-2-methylphenol	µg/L	1	11.1 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U J
4-Bromophenyl phenyl ether	µg/L	--	11.1 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U J	10.0 U	10.0 U	10.0 U	10.0 U J
4-Chloro-3-methylphenol	µg/L	1	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	µg/L	5	5.55 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U J	5.00 U	5.00 U	5.00 U	5.00 U
4-Chlorophenyl phenyl ether	µg/L	--	11.1 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U J	10.0 U	10.0 U	10.0 U	10.0 U
4-Methylphenol	µg/L	1	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	µg/L	5	5.55 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U J	5.00 U	5.00 U	5.00 U	5.00 U
4-Nitrophenol	µg/L	1	11.1 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	0.0500 U	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
Acenaphthylene	µg/L	--	0.0500 U	0.0500 U	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
Acetophenone	µg/L	--	11.1 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	10.0 U
Anthracene	µg/L	50	0.0500 U	0.0500 U	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
Atrazine	µg/L	--	11.1 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U J	10.0 U	10.0 U	10.0 U	10.0 U J
Benzaldehyde	µg/L	--	11.1 U	10.0 U J	10.0 UJ4	10.0 U J	10.0 UJ4	10.0 U J	10.0 U	--	10.0 U J	10.0 U J
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 J*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Benzo[a]pyrene	µg/L	--	0.0500 U	0.0500 U	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

See Notes on Page 10.

Table 3
Groundwater Analytical Results - 2023
2023 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:			DC-1	DC-1	DC-2	DC-2	DB-8A	DB-8A	DB-17	DB-17	DB-17	OR-2
Field Sample ID:			DC-1-W-230414	DC-1-W-231026	DC-2-W-230413	DC-2-W-231026	DB-8A-W-230413	DB-8A-W-231026	DB-17-W-230413	DB-17-W-231026	BD-W-231026	BD-W-230412
Lab Sample ID:			L1605860-08	L1671446-06	L1605860-07	L1671446-05	L1605860-06	L1671446-04	L1605860-05	L1671446-03	L1671446-10	L1605860-11
Date Sampled:			04/14/2023	10/26/2023	04/13/2023	10/26/2023	04/13/2023	10/26/2023	04/13/2023	10/26/2023	10/26/2023	04/12/2023
Sample Matrix:	Units	NY TOGS Class GA Standard	Water	Water	Water	Water	Water	Water	Water	Water	Water	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 J*	*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	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 J*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Bis(2-chloroethoxy)methane	µg/L	5	5.55 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	5.00 U
Bis(2-chloroethyl)ether	µg/L	1	1.11 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	1.00 U
Bis(2-ethylhexyl) phthalate	µg/L	5	3.33 U	3.00 U	3.00 U	3.00 U	3.00 U J	3.00 U J	3.00 U	3.00 U	3.00 U	3.00 U
Butyl benzyl phthalate	µg/L	50	3.33 U J	3.00 U	3.00 U J	3.00 U	3.00 U J	3.00 U J	3.00 U J	3.00 U	3.00 U	3.00 U J
Caprolactam	µg/L	--	11.1 U	3.73 J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	5.58 J	29.5 J	10.0 U J
Carbazole	µg/L	--	11.1 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U J	10.0 U	10.0 U	10.0 U	10.0 U J
Chrysene	µg/L	0.002	*0.0500 U*	*0.0500 U*	*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*
Dibenz(a,h)anthracene	µg/L	--	0.0500 U	0.0500 U	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
Dibenzofuran	µg/L	--	0.0500 U	0.0500 U	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
Diethyl phthalate	µg/L	50	3.33 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U J	3.00 U	3.00 U	3.00 U	3.00 U
Dimethyl phthalate	µg/L	50	3.33 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U J	3.00 U	3.00 U	3.00 U	3.00 U
Di-n-butyl phthalate	µg/L	50	3.33 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U J	3.00 U	3.00 U	3.00 U	3.00 U
Di-n-octyl phthalate	µg/L	50	3.33 U J	3.00 U	3.00 U J	3.00 U	3.00 U J	3.00 U J	3.00 U J	3.00 U	3.00 U	3.00 U J
Fluoranthene	µg/L	50	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U J	0.100 U	0.100 U	0.100 U	0.100 U
Fluorene	µg/L	50	0.0500 U	0.0500 U	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
Hexachlorobenzene	µg/L	0.04	*0.0500 U*	*0.0500 U*	*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*
Hexachlorobutadiene	µg/L	0.5	0.562 J	0.323 J	*10.0 U*	*10.0 U*	0.866 J	1.47 J	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
Hexachlorocyclopentadiene	µg/L	5	5.55 U	5.00 U J	5.00 U	5.00 U J	5.00 U	5.00 U J	5.00 U	5.00 U J	5.00 U J	5.00 U
Hexachloroethane	µg/L	5	5.55 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	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 J*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Isophorone	µg/L	50	11.1 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	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 J	0.250 U	0.250 U	0.250 U	0.250 U
Nitrobenzene	µg/L	0.4	*11.1 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*	*10.0 U*
N-Nitrosodi-n-propylamine	µg/L	--	11.1 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	10.0 U
N-Nitrosodiphenylamine	µg/L	50	*11.1 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U J*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U J*
Pentachlorophenol	µg/L	1	1.11 U J	1.00 U J	1.00 U J	1.00 U J	1.00 U J	1.00 U J	1.00 U J	1.00 U J	1.00 U J	1.00 U J
Phenanthrene	µg/L	50	0.0500 U	0.0500 U	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
Phenol	µg/L	1	*11.1 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*	*10.0 U*
Pyrene	µg/L	50	0.0500 U	0.0500 U	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
Total Conc	µg/L	--	--	--	--	--	--	--	--	--	--	--
Total Estimated Conc. (TICs)	µg/L	--	0.00	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	2.0 U

See Notes on Page 10.

Table 3
Groundwater Analytical Results - 2023
2023 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:		NY TOGS Class GA Standard	OR-2	OR-2	OR-3	OR-3	OS-2	OS-2	OS-3	OS-3	TF-23	TF-23
Field Sample ID:			OR-2-W-230412	OR-2-W-231027	OR-3-W-230413	OR-3-W-231027	OS-2-W-230412	OS-2-W-231025	OS-3-W-230412	OS-3-W-231025	TF-23-W-230413	TF-23-W-231026
Lab Sample ID:			L1605860-03	L1671446-15	L1605860-04	L1671446-16	L1605860-01	L1671446-01	L1605860-02	L1671446-02	L1605860-09	L1671446-07
Date Sampled:			04/12/2023	10/27/2023	04/13/2023	10/27/2023	04/12/2023	10/25/2023	04/12/2023	10/25/2023	04/14/2023	10/26/2023
Sample Matrix:	Units		Water	Water	Water	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	0.500 U	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	0.500 U
1,1,2-Trichloro-1,2,2-trifluoroethane	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	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	0.500 U
1,1-Dichloroethane	µg/L	5	0.186 J	0.585	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	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
1,2,3-Trichlorobenzene	µg/L	--	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	0.500 U	0.500 U J
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	1.00 U	1.00 U	1.00 U
1,2-Dibromo-3-Chloropropane	µg/L	--	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	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	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	0.500 U
1,2-Dichloropropane	µg/L	1	0.500 U	0.730	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
1,3-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	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	0.500 U
1,4-Dioxane	µg/L	1	--	--	--	--	--	--	--	--	--	--
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 J	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 J	5.00 U	5.00 U
4-Methyl-2-pentanone (MIBK)	µg/L	--	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 J	5.00 U	5.00 U J
Acetone	µg/L	50	25.0 U	25.0 U J	25.0 U	25.0 U J	25.0 U	25.0 U J	25.0 U	25.0 U J	25.0 U	25.0 U J
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	0.500 U
Bromoform	µg/L	50	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	0.500 U	0.500 U
Bromomethane	µg/L	5	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	2.50 U J	2.50 U J
Carbon disulfide	µg/L	60	0.500 U	0.500 U J	1.11	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
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	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	0.500 U
Chlorobromomethane	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	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	0.500 U
Chloroethane	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 J	2.50 U J
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 U	0.500 U	0.500 U B
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	1.25 U J	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	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 J*	*0.500 U*	*0.500 U*
Cyclohexane	µg/L	--	--	--	--	--	--	--	--	--	--	--
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	0.500 U
Dichlorodifluoromethane	µg/L	--	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	2.50 U	2.50 U J
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	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	0.500 U
Isopropylbenzene	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 J	0.500 U
Methyl acetate	µg/L	--	--	--	--	--	--	--	--	--	--	--
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	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	2.50 U
m-Xylene & p-Xylene	µg/L	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	µg/L	--	--	--	--	--	--	--	--	--	--	--
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 J	0.500 U	0.500 U

See Notes on Page 10.

Table 3
Groundwater Analytical Results - 2023
2023 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-3	OS-3	TF-23	TF-23
Field Sample ID:			OR-2-W-230412	OR-2-W-231027	OR-3-W-230413	OR-3-W-231027	OS-2-W-230412	OS-2-W-231025	OS-3-W-230412	OS-3-W-231025	TF-23-W-230413	TF-23-W-231026
Lab Sample ID:			L1605860-03	L1671446-15	L1605860-04	L1671446-16	L1605860-01	L1671446-01	L1605860-02	L1671446-02	L1605860-09	L1671446-07
Date Sampled:			04/12/2023	10/27/2023	04/13/2023	10/27/2023	04/12/2023	10/25/2023	04/12/2023	10/25/2023	04/14/2023	10/26/2023
Sample Matrix:	Units	NY TOGS Class GA Standard	Water	Water	Water	Water	Water	Water	Water	Water	Water	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	0.500 U	0.500 U	0.500 U
Toluene	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	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	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*	*0.500 U*
Trichloroethene	µg/L	5	0.500 U	0.243 J	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
Trichlorofluoromethane	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	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 J	0.500 U
Total Conc	µg/L	--	--	--	--	--	--	--	--	--	--	--
Total Estimated Conc. (TICs)	µg/L	--	0.00	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	--	10.0 U J	10.0 U	10.0 U	10.0 U	10.0 U J	10.0 U	10.0 U J	10.0 U	10.0 U	10.0 U
1,2,4,5-Tetrachlorobenzene	µg/L	--	10.0 U J	10.0 U	10.0 U	10.0 U	10.0 U J	10.0 U	10.0 U J	10.0 U	10.0 U	10.0 U
2,2-oxybis[1-chloropropane]	µg/L	5	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	µg/L	--	--	--	--	--	--	--	--	--	--	--
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	1.00 U
2,4,6-Trichlorophenol	µg/L	1	1.00 U J	1.00 U	1.00 U	1.00 U	1.00 U J	1.00 U	1.00 U J	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	5.00 U
2,4-Dimethylphenol	µg/L	50	10.0 U	10.0 U J	10.0 U	10.0 U	10.0 U	10.0 U J	10.0 U	10.0 U J	10.0 U	10.0 U BJ
2,4-Dinitrophenol	µg/L	10	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U J
2,4-Dinitrotoluene	µg/L	5	5.00 U J	5.00 U	5.00 U	5.00 U J	5.00 U J	5.00 U	5.00 U J	10.0 U	5.00 U	5.00 U
2,6-Dinitrotoluene	µg/L	5	5.00 U J	5.00 U	5.00 U	5.00 U	5.00 U J	5.00 U	5.00 U J	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	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	1.00 U
2-Methylnaphthalene	µg/L	--	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.250 U	0.0946 J	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	1.00 U
2-Nitroaniline	µg/L	5	10.0 U	10.0 U J	10.0 U J	10.0 U	10.0 U	10.0 U J	10.0 U	10.0 U J	10.0 U J	10.0 U
2-Nitrophenol	µg/L	1	10.0 U	10.0 U	10.0 U	10.0 U J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U J	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	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	5.00 U
4,6-Dinitro-2-methylphenol	µg/L	1	10.0 U	10.0 U J	10.0 U J	10.0 U J	10.0 U	10.0 U J	10.0 U	10.0 U J	10.0 U J	10.0 U J
4-Bromophenyl phenyl ether	µg/L	--	10.0 U J	10.0 U	10.0 U	10.0 U	10.0 U J	10.0 U	10.0 U J	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	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	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	5.00 U
4-Nitrophenol	µg/L	1	--	10.0 U J	10.0 U	10.0 U J	--	10.0 U J	--	10.0 U J	10.0 U	10.0 U
Acenaphthene	µg/L	20	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	0.0500 U
Acenaphthylene	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	0.0500 U
Acetophenone	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	10.0 U
Anthracene	µg/L	50	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	0.0500 U
Atrazine	µg/L	--	10.0 U J	10.0 U	10.0 U	10.0 U J	10.0 U J	10.0 U	10.0 U J	10.0 U	10.0 U	10.0 U
Benzaldehyde	µg/L	--	10.0 U J	--	10.0 U	10.0 U J	10.0 U J	10.0 U	10.0 U J	--	10.0 UJ4	10.0 U J
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*	*0.0500 U*
Benzo[a]pyrene	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	0.0500 U

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Table 3
Groundwater Analytical Results - 2023
2023 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-3	OS-3	TF-23	TF-23
Field Sample ID:			OR-2-W-230412	OR-2-W-231027	OR-3-W-230413	OR-3-W-231027	OS-2-W-230412	OS-2-W-231025	OS-3-W-230412	OS-3-W-231025	TF-23-W-230413	TF-23-W-231026
Lab Sample ID:			L1605860-03	L1671446-15	L1605860-04	L1671446-16	L1605860-01	L1671446-01	L1605860-02	L1671446-02	L1605860-09	L1671446-07
Date Sampled:			04/12/2023	10/27/2023	04/13/2023	10/27/2023	04/12/2023	10/25/2023	04/12/2023	10/25/2023	04/14/2023	10/26/2023
Sample Matrix:	Units	NY TOGS Class GA Standard	Water	Water	Water	Water	Water	Water	Water	Water	Water	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*	*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	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*	*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	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	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	3.00 U
Butyl benzyl phthalate	µg/L	50	3.00 U	3.00 U J	3.00 U J	3.00 U	3.00 U	3.00 U J	3.00 U	3.00 U	3.00 U J	3.00 U
Caprolactam	µg/L	--	10.0 U J	10.0 U	10.0 U	10.0 U	10.0 U J	10.0 U	10.0 U J	10.0 U	10.0 U	13.8
Carbazole	µg/L	--	10.0 U J	10.0 U	10.0 U	10.0 U	10.0 U J	10.0 U	10.0 U J	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*	*0.0500 U*
Dibenz(a,h)anthracene	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	0.0500 U
Dibenzofuran	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	0.0500 U
Diethyl phthalate	µg/L	50	3.00 U	0.287 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
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	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	3.00 U
Di-n-octyl phthalate	µg/L	50	3.00 U J	3.00 U	3.00 U J	3.00 U	3.00 U	3.00 U	3.00 U J	3.00 U	3.00 U J	3.00 U
Fluoranthene	µg/L	50	0.100 U	0.100 U	0.100 U	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	0.0500 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
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*	*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*	*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	5.00 U J
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	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*	*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	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	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*	*10.0 U*
N-Nitrosodi-n-propylamine	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	10.0 U
N-Nitrosodiphenylamine	µg/L	50	*10.0 U J*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 UJ4*	*10.0 U*	*10.0 U J*	*10.0 U*	*10.0 U*	*10.0 U*
Pentachlorophenol	µg/L	1	1.00 U J	1.00 U J	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 J	1.00 U J
Phenanthrene	µg/L	50	0.0500 U	0.0500 U B	0.0500 U	0.0500 U	0.0213 J	0.0500 U B	0.0201 J	0.0500 U B	0.0500 U	0.0500 U
Phenol	µg/L	1	*10.0 U*	*10.0 U J*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U J*	*10.0 U*	*10.0 U J*	*10.0 U*	*10.0 U*
Pyrene	µg/L	50	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	0.0500 U
Total Conc	µg/L	--	--	--	--	--	--	--	--	--	--	--
Total Estimated Conc. (TICs)	µg/L	--	0.00	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	0.887	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

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Table 3
Groundwater Analytical Results - 2023
2023 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:		NY TOGS Class GA Standard	TF-5	TB	EB	EB	EB	EB	EB	EB
Field Sample ID:			TF-5-W-231026	TB-W-231027	EB-W-230412	EB-W-230413	EB-W-230414	EB-W-231025	EB-W-231026	EB-W-231027
Lab Sample ID:			L1671446-08	L1671446-13	L1605860-12	L1605860-13	L1605860-15	L1671446-18	L1671446-19	L1671446-17
Date Sampled:			10/26/2023	10/27/2023	04/12/2023	04/13/2023	04/13/2023	10/25/2023	10/26/2023	10/27/2023
Sample Matrix:	Units		Water	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	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
1,1,2-Trichloro-1,2,2-trifluoroethane	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
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
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
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	0.500 U
1,2,3-Trichlorobenzene	µg/L	--	0.500 U J	0.500 U J	0.500 U	0.500 U	0.500 U	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	1.00 U	1.00 U	1.00 U	1.00 U J	1.00 U
1,2-Dibromo-3-Chloropropane	µg/L	--	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
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
1,2-Dichloropropane	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
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
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
1,4-Dioxane	µg/L	1	--	--	--	--	--	--	--	--
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 J	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 J	5.00 U
4-Methyl-2-pentanone (MIBK)	µg/L	--	5.00 U J	5.00 U J	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U J	5.00 U J
Acetone	µg/L	50	25.0 U J	25.0 U J	25.0 U	25.0 U	25.0 U	25.0 U J	25.0 U J	25.0 U J
Benzene	µg/L	1	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.242 J	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
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
Carbon disulfide	µg/L	60	0.500 U J	0.500 U J	0.500 U	0.500 U	0.500 U	0.500 U J	2.37 J	0.500 U 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	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
Chlorobromomethane	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
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
Chloroethane	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	2.50 U J
Chloroform	µg/L	7	0.500 U B	0.500 U	1.64	1.47	1.69	1.04	1.31	1.24
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 J	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	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 J*	*0.500 U*
Cyclohexane	µg/L	--	--	--	--	--	--	--	--	--
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
Dichlorodifluoromethane	µg/L	--	2.50 U J	2.50 U J	2.50 U	2.50 U	2.50 U	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	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	0.500 U
Isopropylbenzene	µg/L	--	0.500 U	0.500 U	0.500 U J	0.500 U J	0.500 U J	0.500 U	0.500 U	0.500 U
Methyl acetate	µg/L	--	--	--	--	--	--	--	--	--
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
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
m-Xylene & p-Xylene	µg/L	--	--	--	--	--	--	--	--	--
o-Xylene	µg/L	--	--	--	--	--	--	--	--	--
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 J	0.500 U

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Back 93-Acre Parcel, OU-1C and Beldevere Road Monitoring Wells
Former Texaco Research Center Beacon
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Location ID:		NY TOGS Class GA Standard	TF-5	TB	EB	EB	EB	EB	EB	EB
Field Sample ID:			TF-5-W-231026	TB-W-231027	EB-W-230412	EB-W-230413	EB-W-230414	EB-W-231025	EB-W-231026	EB-W-231027
Lab Sample ID:			L1671446-08	L1671446-13	L1605860-12	L1605860-13	L1605860-15	L1671446-18	L1671446-19	L1671446-17
Date Sampled:			10/26/2023	10/27/2023	04/12/2023	04/13/2023	04/13/2023	10/25/2023	10/26/2023	10/27/2023
Sample Matrix:	Units		Water	Water	Water	Water	Water	Water	Water	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	0.500 U
Toluene	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
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	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*
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
Trichlorofluoromethane	µg/L	5	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U	2.50 U J	2.50 U
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	0.500 U	0.500 U
Total Conc	µg/L	--	--	--	--	--	--	--	--	--
Total Estimated Conc. (TICs)	µg/L	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Semivolatile Organic Compounds										
1,1-Biphenyl	µg/L	--	10.0 U	--	10.0 U J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2,4,5-Tetrachlorobenzene	µg/L	--	10.0 U	--	10.0 U J	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	--	--	--	--	--	--	--	--	--
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
2,4,6-Trichlorophenol	µg/L	1	1.00 U	--	1.00 U J	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
2,4-Dimethylphenol	µg/L	50	10.0 U J	--	10.0 U	10.0 U	10.0 U	10.0 U J	10.0 U	10.0 U
2,4-Dinitrophenol	µg/L	10	10.0 U J	--	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U	10.0 U J
2,4-Dinitrotoluene	µg/L	5	5.00 U	--	5.00 U J	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U J
2,6-Dinitrotoluene	µg/L	5	5.00 U	--	5.00 U J	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
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
2-Methylnaphthalene	µg/L	--	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 J	1.00 U
2-Nitroaniline	µg/L	5	10.0 U	--	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U
2-Nitrophenol	µg/L	1	10.0 U	--	10.0 U J	10.0 U J	10.0 U J	10.0 U	10.0 U J	10.0 U J
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
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
4,6-Dinitro-2-methylphenol	µg/L	1	10.0 U J	--	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U J	10.0 U J
4-Bromophenyl phenyl ether	µg/L	--	10.0 U	--	10.0 U J	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
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
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
4-Nitrophenol	µg/L	1	10.0 U	--	10.0 UJ4	10.0 U	10.0 U	10.0 U J	10.0 U J	10.0 U J
Acenaphthene	µg/L	20	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	--	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Acetophenone	µg/L	--	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	--	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Atrazine	µg/L	--	10.0 U	--	10.0 U J	10.0 U J	10.0 U J	10.0 U	10.0 U	10.0 U J
Benzaldehyde	µg/L	--	10.0 U J	--	10.0 U J	10.0 U	10.0 U	--	--	10.0 U J
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*
Benzo[a]pyrene	µg/L	--	0.0212 J	--	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U

See Notes on Page 10.

Table 3
Groundwater Analytical Results - 2023
2023 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

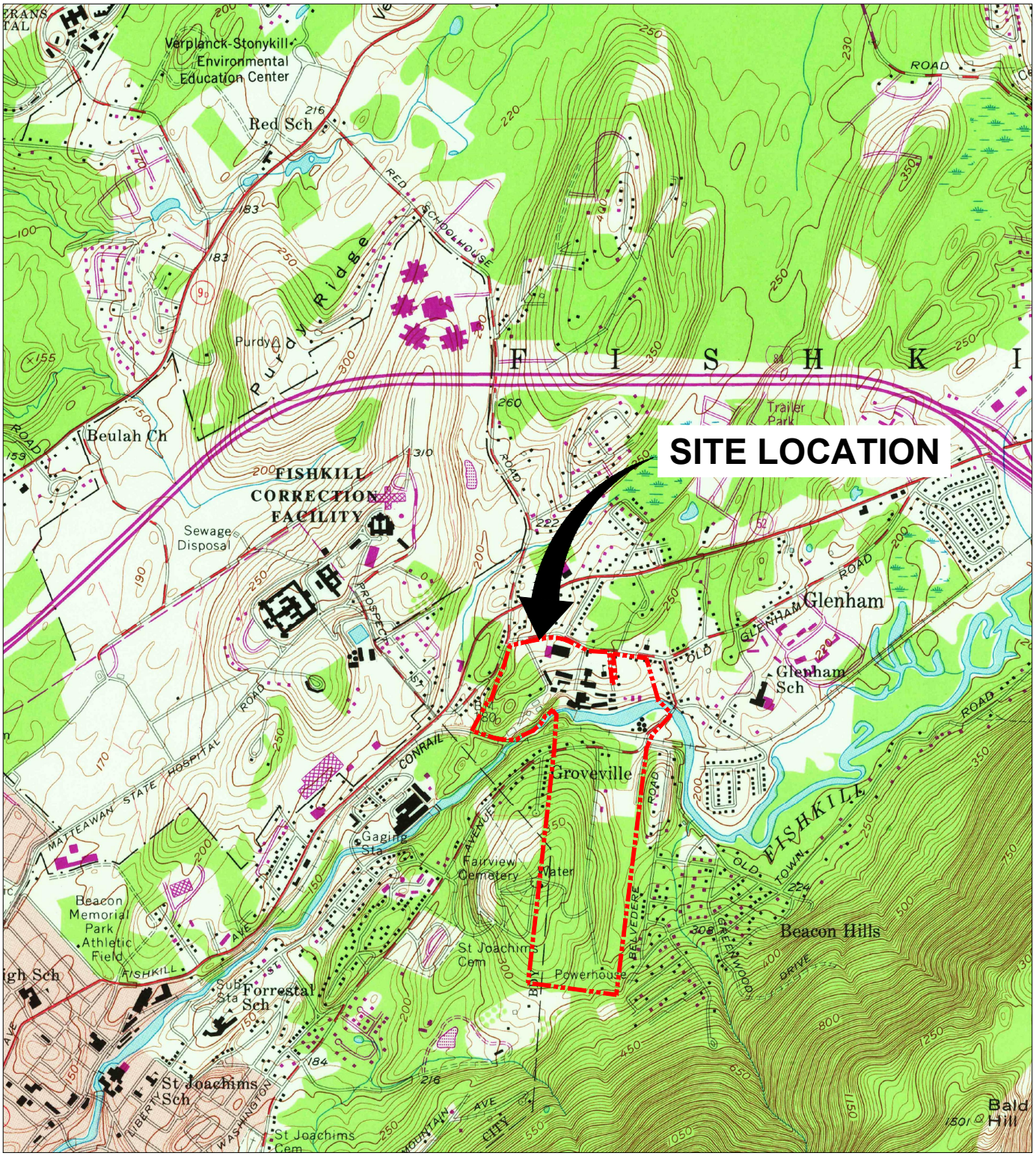
Location ID:		NY TOGS Class GA Standard	TF-5	TB	EB	EB	EB	EB	EB	EB
Field Sample ID:			TF-5-W-231026	TB-W-231027	EB-W-230412	EB-W-230413	EB-W-230414	EB-W-231025	EB-W-231026	EB-W-231027
Lab Sample ID:			L1671446-08	L1671446-13	L1605860-12	L1605860-13	L1605860-15	L1671446-18	L1671446-19	L1671446-17
Date Sampled:			10/26/2023	10/27/2023	04/12/2023	04/13/2023	04/13/2023	10/25/2023	10/26/2023	10/27/2023
Sample Matrix:	Units		Water	Water	Water	Water	Water	Water	Water	Water
Semivolatile Organic Compounds (cont.)										
Benzo[b]fluoranthene	µg/L	0.002	0.0324 J	--	*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	--	0.0198 J	--	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*
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
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
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
Butyl benzyl phthalate	µg/L	50	3.00 U	--	3.00 U J	3.00 U J	3.00 U J	3.00 U J	3.00 U J	3.00 U
Caprolactam	µg/L	--	6.21 J	--	10.0 U 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 J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Chrysene	µg/L	0.002	0.0215 J	--	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*	*0.0500 U*
Dibenz(a,h)anthracene	µg/L	--	0.0500 U	--	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Dibenzofuran	µg/L	--	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
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
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
Di-n-octyl phthalate	µg/L	50	3.00 U	--	3.00 U J	3.00 U J	3.00 U J	3.00 U	3.00 U	3.00 U
Fluoranthene	µg/L	50	0.0378 J	--	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	--	0.0500 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*
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*
Hexachlorocyclopentadiene	µg/L	5	5.00 U J	--	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
Indeno[1,2,3-cd]pyrene	µg/L	0.002	0.0250 J	--	*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
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
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*
N-Nitrosodi-n-propylamine	µg/L	--	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 J*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U*
Pentachlorophenol	µg/L	1	1.00 U J	--	1.00 U J	1.00 U J	1.00 U J	1.00 U J	1.00 U	1.00 U
Phenanthrene	µg/L	50	0.0500 U	--	0.0500 U	0.0500 U	0.0500 U	0.0181 J	0.0500 U J	0.0500 U
Phenol	µg/L	1	*10.0 U*	--	*10.0 U*	*10.0 U*	*10.0 U*	*10.0 U J*	*10.0 U J*	*10.0 U*
Pyrene	µg/L	50	0.0327 J	--	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Total Conc	µg/L	--	--	--	--	--	--	--	--	--
Total Estimated Conc. (TICs)	µg/L	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Metals										
Lead , Dissolved	µg/L	25	1.23 J	--	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

See Notes on Page 10.

Table 3
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2023 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

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.
B: The same analyte is found in the associated blank
--: 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.

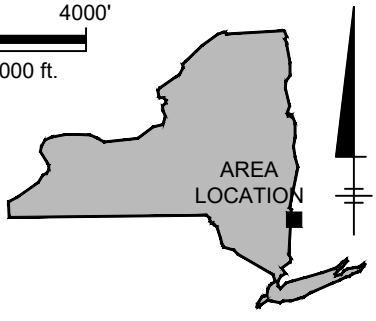
Figures



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.



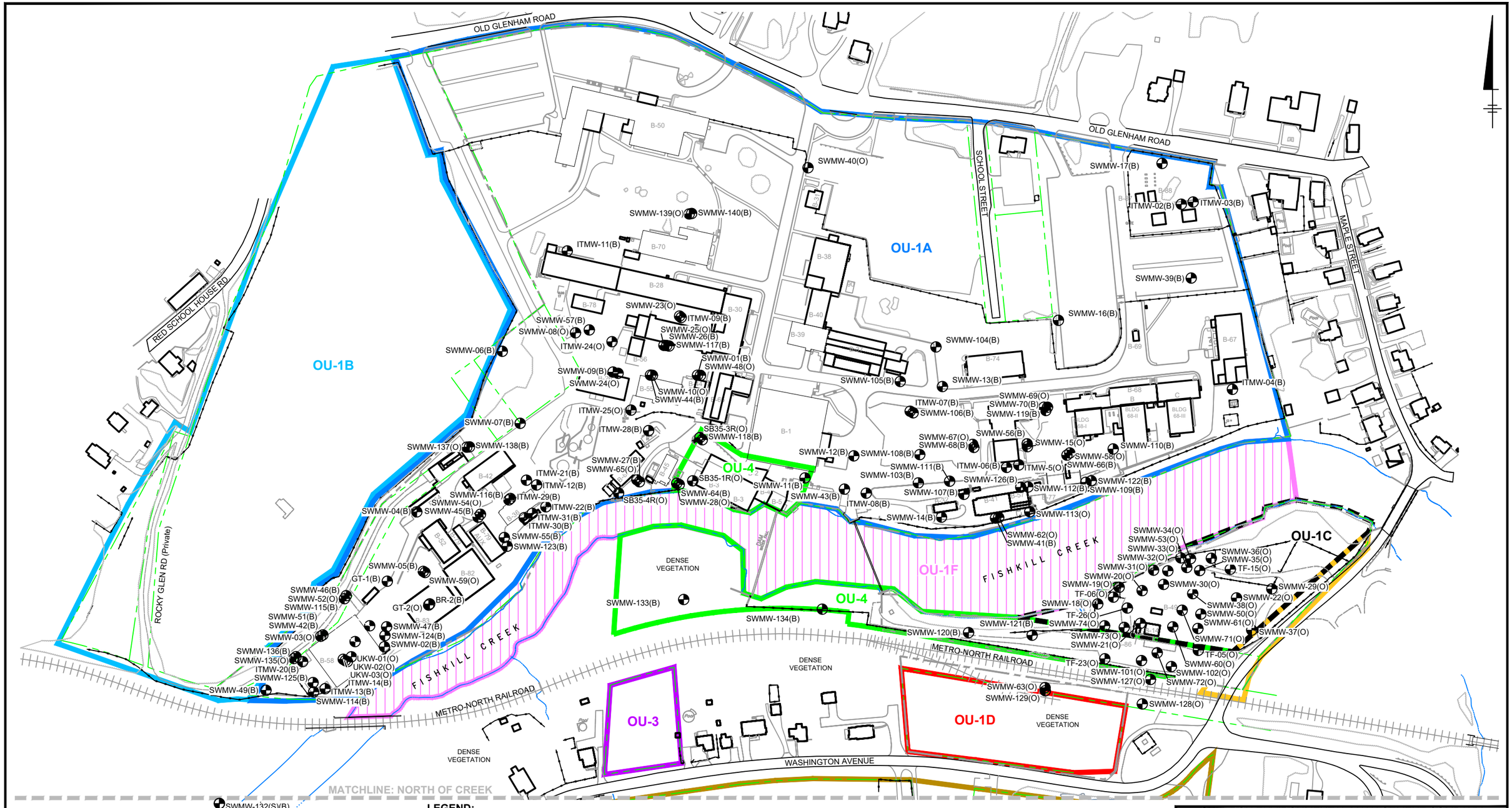
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER TEXACO BEACON RESEARCH CENTER
BEACON, NEW YORK
2023 ORDER ON CONSENT
GROUNDWATER MONITORING REPORT

SITE LOCATION MAP

ARCADIS

FIGURE
1

C:\Users\cm5224\DC\ACCDocs\Arcadis ACC US\AUS-99999999-CHEV_FORMER TEXACO_BEACON_NY\Project Files\10_WIP\10T_ARC_ENV\2024\01-DWG\GEN-F01-SITE LOCATION.dwg LAYOUT: 1 SAVED: 3/15/2024 5:02 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/15/2024 5:13 PM BY: C. MUNIRAJU
XREFS: IMAGES: Arcadis logo-2023.png



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

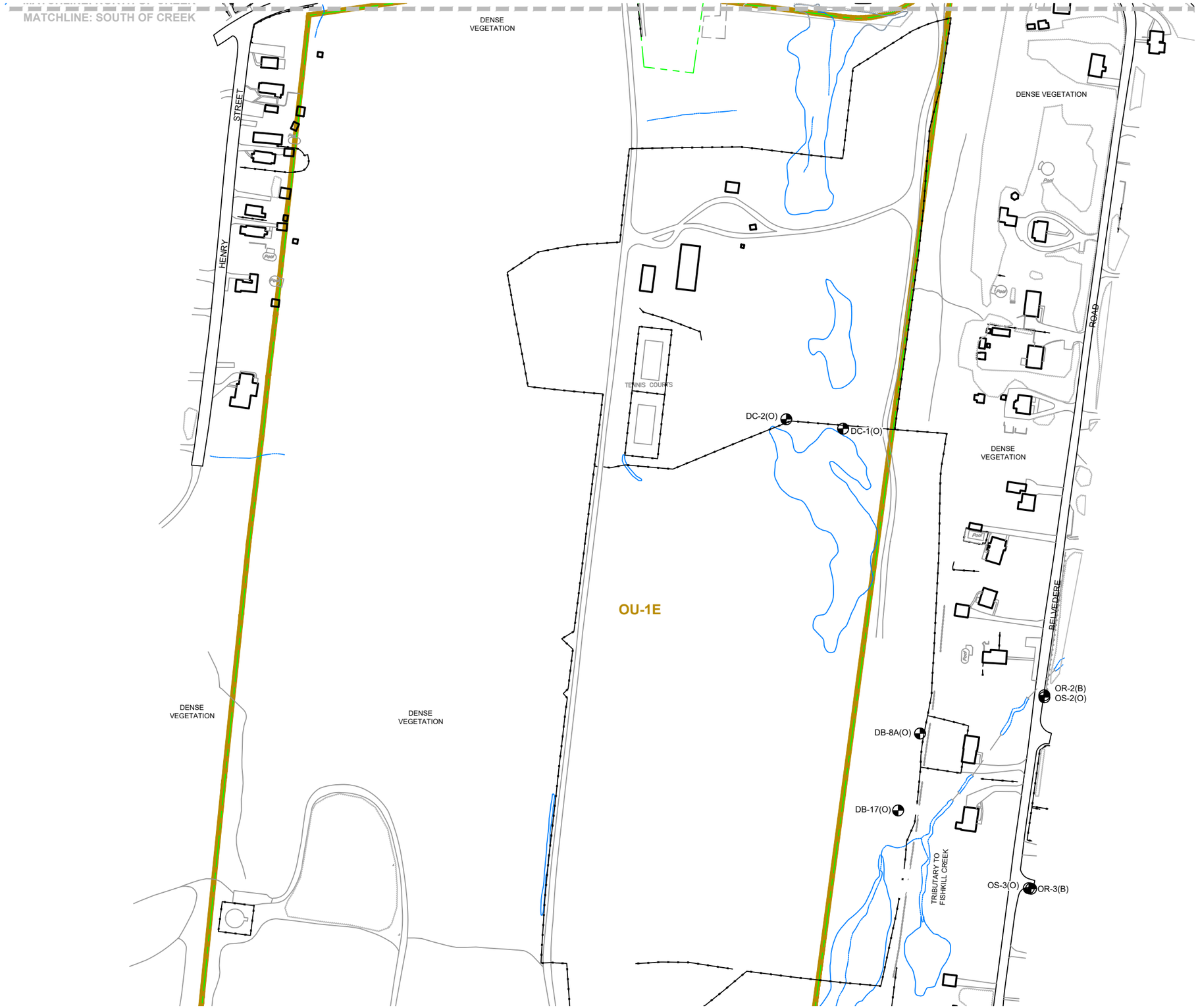
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER TEXACO BEACON RESEARCH CENTER
BEACON, NEW YORK
2023 ORDER ON CONSENT
GROUNDWATER MONITORING REPORT

SITE PLAN

ARCADIS

FIGURE 2

CITY:GRANBURY-NJ DIV/GROUP:IMDV-ENVCAD DB:JMEYER LD:JMEYER PIC:(Opt) PM:EMEYER TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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PLOTTED: 3/15/2024 5:14 PM BY: C. MUNIRAJU
XREFS: ---- IMAGES: ----



LEGEND:

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

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0 200' 400'

GRAPHIC SCALE

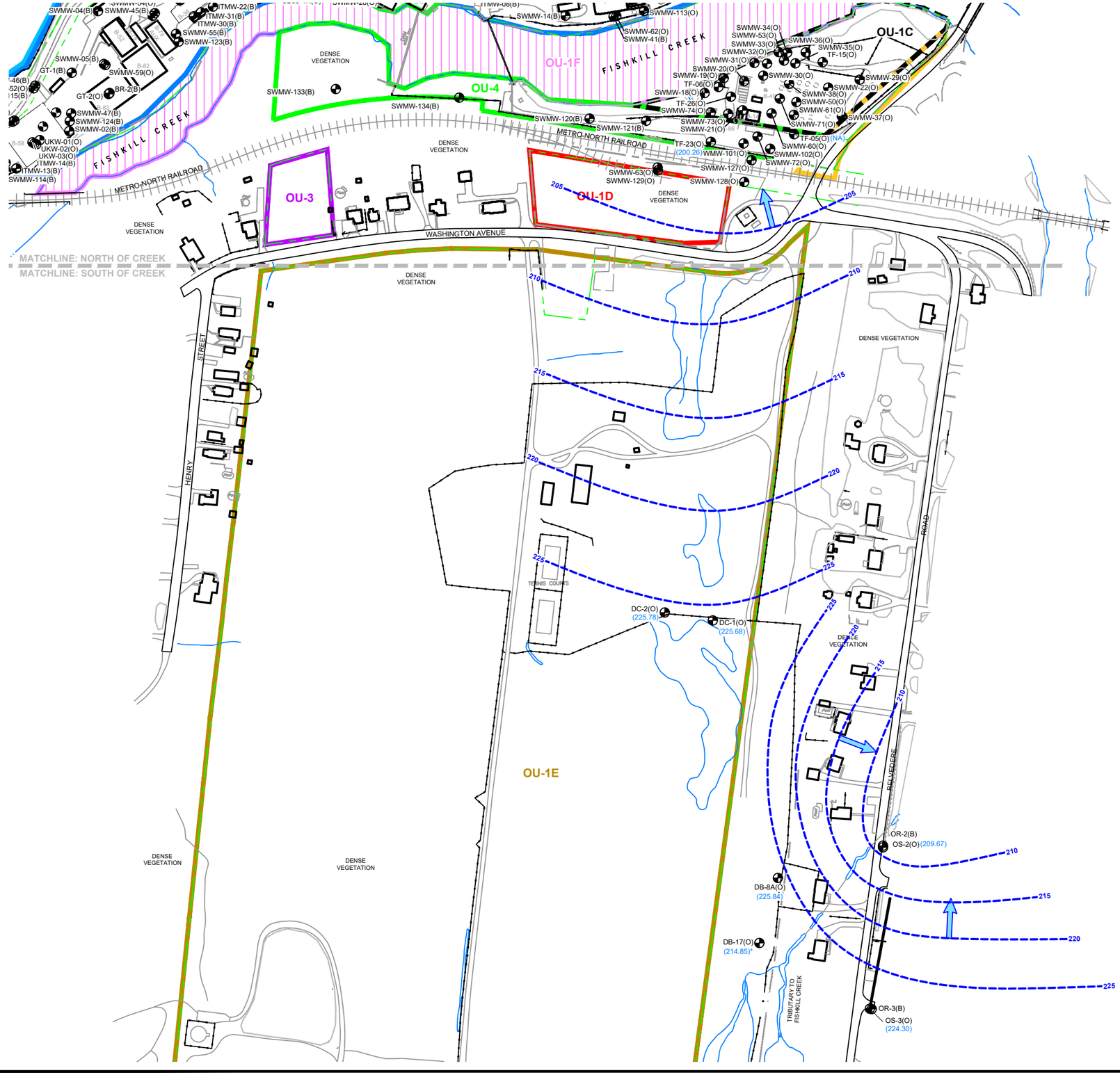
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER TEXACO BEACON RESEARCH CENTER
BEACON, NEW YORK
2023 ORDER ON CONSENT
GROUNDWATER MONITORING REPORT

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*
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PLOTTED: 3/15/2024 5:15 PM BY: C. MUNIRAJU
XREFS: ---- IMAGES: ----



LEGEND:

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

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

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4. UNKW = UNKNOWN MONITORING WELL
5. BEDROCK MONITORING WELLS NOT CONSIDERED IN DEVELOPMENT OF GROUNDWATER ELEVATION CONTOURS.

SOURCE:

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0 250' 500'

GRAPHIC SCALE

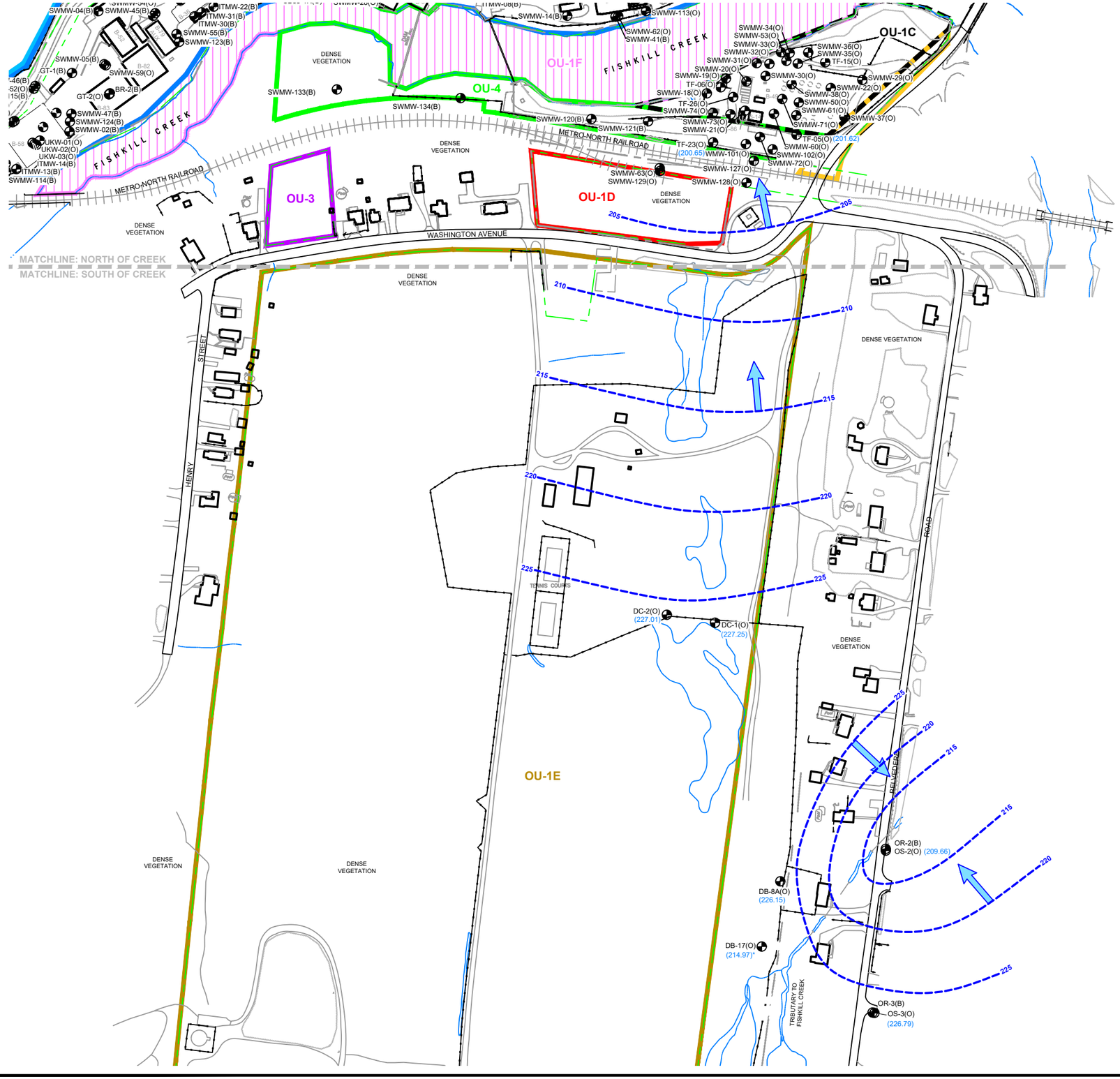
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER TEXACO BEACON RESEARCH CENTER
BEACON, NEW YORK
2023 ORDER ON CONSENT
GROUNDWATER MONITORING REPORT

OVERBURDEN POTENTIOMETRIC SURFACE APRIL 2023

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*
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XREFS: ---- IMAGES: ----



LEGEND:

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

PARCELS

LEGEND	DESCRIPTION, NAME
	OU-1 MAIN FACILITY PARCEL
	OU-1C FORMER WASHINGTON AVENUE TANK FARM PARCEL
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0 250' 500'

GRAPHIC SCALE

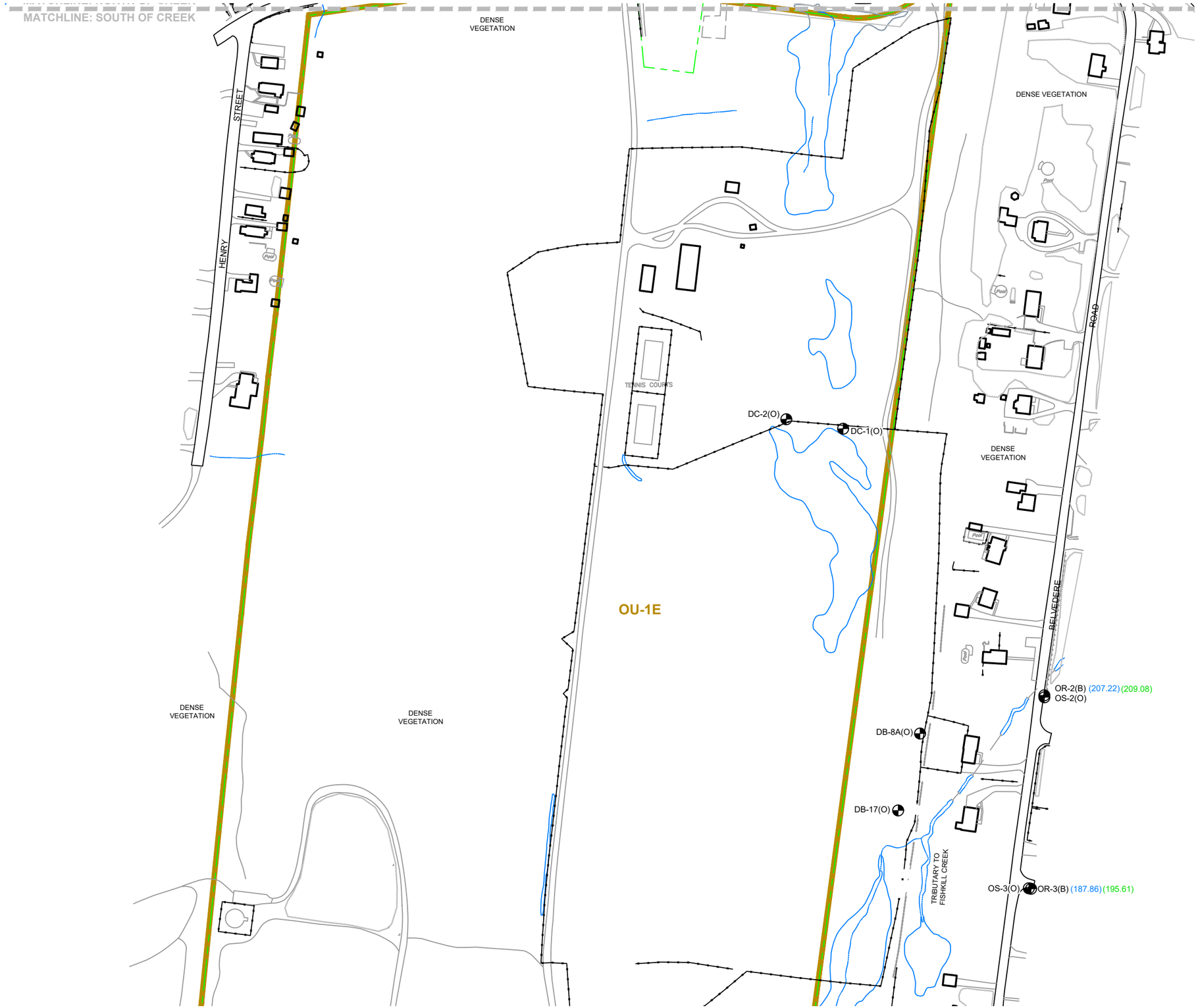
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER TEXACO BEACON RESEARCH CENTER
BEACON, NEW YORK
2023 ORDER ON CONSENT
GROUNDWATER MONITORING REPORT

OVERBURDEN POTENTIOMETRIC SURFACE OCTOBER 2023

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\cm5224\DCACCDocs\Arcadis ACC US\AUS-99999999-CHEV_FORMER TEXACO_BEACON_NY\Project Files\10_WIP\10T_ARC_ENV\2024101-DWG\GWM-2023Q3-F05-OU1C-OU1E OVERBURDEN POTENTIOMETRIC OCT 2023.dwg LAYOUT: 5 SAVED: 3/15/2024 4:35 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 3/15/2024 5:25 PM BY: C.MUNIRAJU
XREFS: ---- IMAGES: ----



LEGEND:

- PROPERTY LINE
- AREA BOUNDARY LINE
- (O) MONITORING WELL - OVERBURDEN
- (B) MONITORING WELL - BEDROCK
- OU-1E THE BACK 93 ACRE PARCEL
- (187.86)(195.61) 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
2023 ORDER ON CONSENT
GROUNDWATER MONITORING REPORT

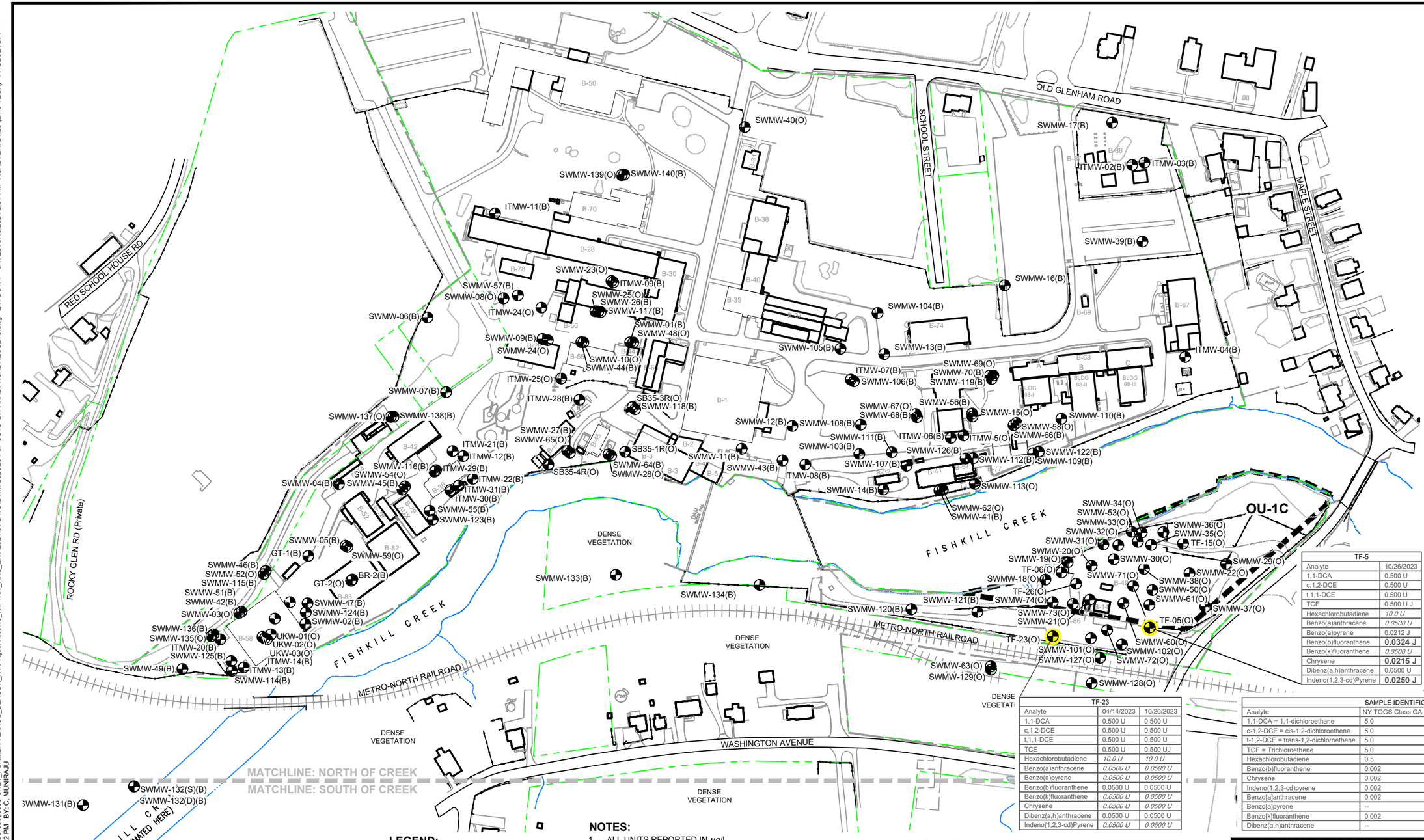
BEDROCK GROUNDWATER ELEVATIONS APRIL & OCTOBER 2023

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\om522a\DCACCDocs\Arcadis ACC US\AUS-99999999-CHEV_FORMER TEXACO_BEACON_NY\Project Files\10_WIP\10T_ARC_ENV\2024\01-DWG\GWM-2023Q3-F06-OU1E BEDROCK GW ELEVATIONS-04&10 2023.dwg LAYOUT: 6 SAVED: 3/15/2024 4:36 PM ACADVER: 24.2S (LMS TECH)
PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 4/4/2024 10:18 PM BY: C. MUNIRAJU
XREFS: ---- IMAGES: ----

CITY:CRANBURY-NJ DIV/GROUP:IMDV-ENV/CAD DB:JMEYER LD:JMEYER PIC:(Opt) PM:EMEYER TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\cm5224\DOACCDocs\Arcadis ACC USAUS-8999999-CHEV_FORMER TEXACO_BEACON_NY\Project Files\10_WIP\10T_ARC_ENV\2024\01-DWG\GWM-202303-F07-OU1C GW ANALYTICAL RESULTS.dwg LAYOUT: 7 SAVED: 3/13/2024 2:54 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ----
PLOTSTYLETABLE: ---- PLOTTED: 3/15/2024 4:42 PM BY: C. MUNIRAJU
XREFS: ---- IMAGES: ----



TF-5	
Analyte	10/26/2023
1,1-DCA	0.500 U
c,1,2-DCE	0.500 U
t,1,1-DCE	0.500 U
TCE	0.500 U J
Hexachlorobutadiene	*10.0 U*
Benzo(a)anthracene	*0.0500 U*
Benzo(a)pyrene	0.0212 J
Benzo(b)fluoranthene	**0.0324 J**
Benzo(k)fluoranthene	*0.0500 U*
Chrysene	**0.0215 J**
Dibenz(a,h)anthracene	0.0500 U
Indeno(1,2,3-cd)Pyrene	**0.0250 J**

TF-23		
Analyte	04/14/2023	10/26/2023
1,1-DCA	0.500 U	0.500 U
c,1,2-DCE	0.500 U	0.500 U
t,1,1-DCE	0.500 U	0.500 U
TCE	0.500 U	0.500 UJ
Hexachlorobutadiene	*10.0 U*	*10.0 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
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 2023

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 2023 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
2023 ORDER ON CONSENT
GROUNDWATER MONITORING REPORT

OU-1C 2023 GROUNDWATER ANALYTICAL RESULTS

ARCADIS

FIGURE
7

CITY:CRANBURY-NJ DIV/GROUP:IMDV-ENVCAD DB:JMEYER LD:JMEYER PIC:(Opt) PM:EMEYER TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\ams522\IDCACCDocs\Arcadis ACC US\AUS-99999999-CHEV_FORMER TEXACO_BEACON_NYProject Files\10_WIP\10T_ARC_ENV\2024\01-DWG\GWM-2023Q3-F08-OU1E GW ANALYTICAL RESULTS.dwg LAYOUT: 8 SAVED: 3/15/2024 5:09 PM ACADVER: 24.2S (LMS TECH) PAGESETUP: ---
PLOTSTYLETABLE: --- PLOTTED: 4/2/2024 1:23 PM BY: C. MUNIRAJU
XREFS: --- IMAGES: ---

MATCHLINE: SOUTH OF CREEK

DENSE VEGETATION

HENRY STREET

DC-2		
Analyte	04/13/2023	10/26/2023
1,1-DCA	0.500 U	0.500 U
c,1,2-DCE	0.500 U	0.500 U
t,1,1-DCE	0.500 U	0.500 U
TCE	0.500 U	0.238 J
Hexachlorobutadiene	*10.0 U*	*10.0 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
Indeno(1,2,3-cd)Pyrene	*0.0500 U*	*0.0500 U*

DB-8A		
Analyte	04/13/2023	10/26/2023
1,1-DCA	0.138 J	0.500 U
c,1,2-DCE	1.48	0.262 J
t,1,1-DCE	0.500 U	0.500 U
TCE	**8.56**	**5.24 J**
Hexachlorobutadiene	**0.866 J**	**1.47 J**
1,4-Dioxane	**6.35**	**1.85**
Benzo(a)anthracene	*0.0500 U*	*0.0500 U J*
Benzo(a)pyrene	*0.0500 U*	*0.0500 U J*
Benzo(b)fluoranthene	0.0500 U	0.0500 U J
Benzo(k)fluoranthene	*0.0500 U*	*0.0500 U J*
Chrysene	*0.0500 U*	*0.0500 U J*
Dibenz(a,h)anthracene	0.0500 U	0.0500 U J
Indeno(1,2,3-cd)Pyrene	*0.0500 U*	*0.0500 U J*

DB-17		
Analyte	04/13/2023	10/26/2023
1,1-DCA	0.500 U	0.500 U [0.500 U]
c,1,2-DCE	0.500 U	0.500 U [0.500 U]
t,1,1-DCE	0.500 U	0.500 U [0.500 U]
TCE	0.500 U	0.500 U J [0.500 U J]
Hexachlorobutadiene	*10.0 U*	*10.0 U [10.0 U]*
1,4-Dioxane	0.400 U B	0.0779 J [--]
Benzo(a)anthracene	*0.0500 U*	*0.0500 U [0.0500 U]*
Benzo(a)pyrene	*0.0500 U*	*0.0500 U [0.0500 U]*
Benzo(b)fluoranthene	0.0500 U	0.0500 U [0.0500 U]
Benzo(k)fluoranthene	*0.0500 U*	*0.0500 U [0.0500 U]*
Chrysene	*0.0500 U*	*0.0500 U [0.0500 U]*
Dibenz(a,h)anthracene	0.0500 U	0.0500 U [0.0500 U]
Indeno(1,2,3-cd)Pyrene	*0.0500 U*	*0.0500 U [0.0500 U]*

OS-3		
Analyte	04/12/2023	10/25/2023
1,1-DCA	0.500 U	0.500 U
c,1,2-DCE	0.500 U	0.500 U
t,1,1-DCE	0.500 U	0.500 U
TCE	0.500 U	0.500 U
Hexachlorobutadiene	*10.0 U*	*10.0 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
Indeno(1,2,3-cd)Pyrene	*0.0500 U*	*0.0500 U*

OR-3		
Analyte	04/13/2023	10/27/2023
1,1-DCA	0.500 U	0.500 U
c,1,2-DCE	0.500 U	0.500 U
t,1,1-DCE	0.500 U	0.500 U
TCE	0.500 U	0.500 U J
Hexachlorobutadiene	*10.0 U*	*10.0 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
Indeno(1,2,3-cd)Pyrene	*0.0500 U*	*0.0500 U*

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	04/14/2023	10/26/2023
1,1-DCA	0.500 U	0.500 U
c,1,2-DCE	2.03	2.29
t,1,1-DCE	0.500 U	0.500 U
TCE	**5.55**	**5.90 J**
Hexachlorobutadiene	**0.562 J**	0.323 J
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
Indeno(1,2,3-cd)Pyrene	*0.0500 U*	*0.0500 U*

OR-2		
Analyte	04/12/2023	10/27/2023
1,1-DCA	0.186 J [0.197 J]	0.585
c,1,2-DCE	0.500 U [0.500 U]	0.500 U
t,1,1-DCE	0.500 U [0.500 U]	0.500 U
TCE	0.500 U [0.500 U]	0.243 J
Hexachlorobutadiene	*10.0 U [10.0 U]*	*10.0 U*
Benzo(a)anthracene	*0.0500 U [0.0500 U]*	*0.0500 U*
Benzo(a)pyrene	*0.0500 U [0.0500 U]*	*0.0500 U*
Benzo(b)fluoranthene	0.0500 U [0.0500 U]	0.0500 U
Benzo(k)fluoranthene	*0.0500 U [0.0500 U]*	*0.0500 U*
Chrysene	*0.0500 U [0.0500 U]*	*0.0500 U*
Dibenz(a,h)anthracene	0.0500 U [0.0500 U]	0.0500 U
Indeno(1,2,3-cd)Pyrene	*0.0500 U [0.0500 U]*	*0.0500 U*

OS-2		
Analyte	04/12/2023	10/25/2023
1,1-DCA	0.500 U	0.500 U
c,1,2-DCE	0.500 U	0.500 U
t,1,1-DCE	0.500 U	0.500 U
TCE	0.500 U	0.500 UJ
Hexachlorobutadiene	*10.0 U*	*10.0 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
Indeno(1,2,3-cd)Pyrene	*0.0500 U*	*0.0500 U*

TENNIS COURTS

DC-2(O)

DC-1(O)

OU-1E

DENSE VEGETATION

BELVEDERE

OR-2(B)
OS-2(O)

DB-8A(O)

DB-17(O)

TRIBUTARY TO FISHKILL CREEK

OS-3(O)

OR-3(B)

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 2023

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. B = THE SAME ANALYTE IS FOUND IN THE ASSOCIATED BLANK
5. U = INDICATES THE ANALYTE WAS ANALYZED FOR BUT NOT DETECTED.
6. J = RESULT IS LESS THAN REPORTING LIMIT, BUT GREATER THAN OR EQUAL TO THE METHOD DETECTION LIMIT AND THE CONCENTRATION IS AN APPROXIMATE VALUE.
7. DATA PRESENTED ARE KEY CONSTITUENTS FOR THE APRIL AND OCTOBER 2023 GROUNDWATER MONITORING EVENTS.
8. 1,4-DIOXANE WAS ONLY ANALYZED IN MONITORING WELLS DB-8A AND DB-17 IN 2023.
9. -- = NOT AVAILABLE OR NOT ANALYZED.
10. USEPA = UNITED STATES ENVIRONMENTAL PROTECTION AGENCY.
11. RSL = REGIONAL SCREENING LEVELS.
12. NY TOGS = NEW YORK TECHNICAL AND OPERATIONAL GUIDANCE SERIES.
13. 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
2023 ORDER ON CONSENT
GROUNDWATER MONITORING REPORT

OU-1E 2023 GROUNDWATER ANALYTICAL RESULTS

ARCADIS

FIGURE
8

Appendix A

Groundwater Sampling Logs

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	TF-23	**Date**	4/14/2023		
Site Location	Fishkill, New York	**Site ID**	PMG00037	**Weather(°F)**	Clear	**Sampled by**	Shekhar Gahlod
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)	7.08	**Total Depth (ft-bmp)**	12.97	**Water Column(ft)**	5.89	**Gallons in Well**	0.96
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	10:27	**Well Volumes Purged**	3.13	**Sample ID**	Tf-23-W-230414	**Purge Equipment**	Submersible
Purge Start	10:10	**Gallons Purged**	3	**Duplicate ID**	--	**Sample Equipment**	Submersible
Purge End	10:22	**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)	0.25	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	7.38	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-**	--	**Did well dewater?**	no	**Total Gallons Purged:**	3

Time	Gallons Removed	Depth to Water (ft)	pH (standard	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
10:10	0	--	7.96	0.730	305	8.25	10.21	162.7	--	--
10:14	1	7.34	6.75	0.731	12.7	7.25	8.47	134.4	--	--
10:18	2	7.39	6.67	0.730	7.2	7.14	9.13	129.3	--	--
10:22	3	7.38	6.65	0.728	2.2	7.21	9.50	126.8	--	--

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: Tf-23-W-230414 Sample Time: 10:27 Sample Depth (ft-bmp) (e.g. pump intake): 7.38

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 7.38

ft-bmp = feet below measuring point
in. = inches
mS/cm = milliSiemens per centimeter
NTU = Nephe
mV = millivolts

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	DC-1	**Date**	4/14/2023		
Site Location	Fishkill, New York	**Site ID**	PMG00037	**Weather(°F)**	Clear	**Sampled by**	Shekhar Gahlod
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)	3.62	**Total Depth (ft-bmp)**	5.8	**Water Column(ft)**	2.18	**Gallons in Well**	0.35
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	09:20	**Well Volumes Purged**	3.43	**Sample ID**	DC-1-W-230414	**Purge Equipment**	Submersible
Purge Start	09:04	**Gallons Purged**	1.2	**Duplicate ID**	--	**Sample Equipment**	Bailer
Purge End	09:12	**Total Purge Time (hrs)**	0:8				

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)**	4.41	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-**	--	**Did well dewater?**	no	**Total Gallons Purged:**	1.2

Time	Gallons Removed	Depth to Water (ft)	pH (standard	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
09:06	0	3.62	7.66	0.704	11.9	0.00	10.35	102.4	--	--
09:08	0.4	4.14	7.07	116	1348.4	7.69	9.14	116.8	--	--
09:10	0.8	4.31	7.15	0.692	942	8.02	9.09	111.3	--	--
09:12	1.2	4.41	0.70	0.690	1220.1	7.40	9.19	114.4	--	--

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: SC-1-W-230414 Sample Time: 09:20 Sample Depth (ft-bmp) (e.g. pump intake): 4.41

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 4.41

ft-bmp = feet below measuring point
in. = inches
mS/cm = milliSiemens per centimeter
NTU = Nephe
mV = millivolts

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	DC-2	**Date**	4/13/2023		
Site Location	Fishkill, New York	**Site ID**	PMG00037	**Weather(°F)**	Clear	**Sampled by**	Shekhar Gahlod
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)	3.32	**Total Depth (ft-bmp)**	14.85	**Water Column(ft)**	11.53	**Gallons in Well**	1.87
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	14:17	**Well Volumes Purged**	3.21	**Sample ID**	DC-2-W-230413	**Purge Equipment**	Submersible
Purge Start	13:48	**Gallons Purged**	6	**Duplicate ID**	--	**Sample Equipment**	Submersible
Purge End	14:12	**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)**	5.92	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-**	--	**Did well dewater?**	no	**Total Gallons Purged:**	6

Time	Gallons Removed	Depth to Water (ft)	pH (standard	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
13:48	0	3.32	7.87	0.343	11.9	0.00	9.56	-11.9	--	--
13:56	2	5.39	6.77	0.329	6.5	6.22	9.33	102.4	--	--
14:04	4	5.73	6.63	0.327	2.6	5.99	9.12	103.5	--	--
14:12	6	5.92	6.55	0.321	3.1	5.91	9.09	104.8	--	--

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: DC-2-W-230413 Sample Time: 14:17 Sample Depth (ft-bmp) (e.g. pump intake): 13

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling: 5.92

ft-bmp = feet below measuring point
in. = inches
mS/cm = milliSiemens per centimeter
NTU = Nephe
mV = millivolts

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	DB-8A	**Date**	4/13/2023		
Site Location	Fishkill, New York	**Site ID**	PMG00037	**Weather(°F)**	Clear	**Sampled by**	Shekhar Gahlod
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)	6.78	**Total Depth (ft-bmp)**	16.44	**Water Column(ft)**	9.66	**Gallons in Well**	1.57
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	13:13	**Well Volumes Purged**	3.03	**Sample ID**	DB-8A-W-230413	**Purge Equipment**	Submersible
Purge Start	12:55	**Gallons Purged**	4.75	**Duplicate ID**	--	**Sample Equipment**	Submersible
Purge End	13:08	**Total Purge Time(h:m)**	0:13				

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)**	7.11	**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:**	4.75

Time	Gallons Removed	Depth to Water (ft)	pH (standard	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
12:55	0	6.78	7.74	0.587	84.3	5.73	9.37	112.8	--	--
12:59	1.5	7.02	7.01	0.545	5.7	1.96	8.38	108.7	--	--
13:03	3	7.04	6.82	0.524	5.5	1.91	8.14	107.1	--	--
13:08	4.75	7.11	6.72	0.506	0.30	1.90	8.06	104.8	--	--

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: DB-8A-W-230413 Sample Time: 13:13 Sample Depth (ft-bmp) (e.g. pump intake): 14

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 7.11

ft-bmp = feet below measuring point
in. = inches
mS/cm = milliSiemens per centimeter
NTU = Nephe
mV = millivolts

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	DB-17	**Date**	4/13/2023		
Site Location	Fishkill, New York	**Site ID**	PMG00037	**Weather(°F)**	Clear	**Sampled by**	Shekhar Gahlod
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)	8.03	**Total Depth (ft-bmp)**	9.15	**Water Column(ft)**	1.12	**Gallons in Well**	0.18
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	12:15	**Well Volumes Purged**	3.00	**Sample ID**	DB-17-W-230413	**Purge Equipment**	Submersible
Purge Start	12:02	**Gallons Purged**	0.54	**Duplicate ID**	--	**Sample Equipment**	Bailer
Purge End	12:10	**Total Purge Time(h:m)**	0:8				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	0.18	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	8.09	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	yes	**Total Gallons Purged:**	0.54

Time	Gallons Removed	Depth to Water (ft)	pH (standard	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
12:04	0	8.03	7.45	0.330	12.2	8.05	12.30	92.7	--	--
12:06	0.18	8.04	7.06	0.293	121	8.28	9.98	95.3	--	--
12:08	0.36	8.06	7.10	0.290	136	8.80	8.68	131.8	--	--
12:10	0.54	8.09	7.06	0.290	135	8.76	8.78	129.5	--	--

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-230413 Sample Time: 12:15 Sample Depth (ft-bmp) (e.g. pump intake): 8.09

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 8.09

ft-bmp = feet below measuring point
in. = inches
mS/cm = milliSiemens per centimeter
NTU = Nephe
mV = millivolts

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	OS-3	**Date**	4/12/2023		
Site Location	Fishkill, New York	**Site ID**	PMG00037	**Weather(°F)**	Clear	**Sampled by**	Shekhar Gahlod
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)	3.81	**Total Depth (ft-bmp)**	13.14	**Water Column(ft)**	9.33	**Gallons in Well**	6.06
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	12:59	**Well Volumes Purged**	3.14	**Sample ID**	OS-3-W-230412	**Purge Equipment**	Submersible
Purge Start	12:35	**Gallons Purged**	19	**Duplicate ID**	--	**Sample Equipment**	Submersible
Purge End	12:54	**Total Purge Time(h:m)**	0:19				

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)**	3.82	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-**	--	**Did well dewater?**	no	**Total Gallons Purged:**	19

Time	Gallons Removed	Depth to Water (ft)	pH (standard	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen	Temperature (°C)	Redox (mV)	Appearance	
									Color	Odor
12:35	0	3.8	7.01	0.269	0.30	9.48	9.94	185.8	--	--
12:41	6	3.8	7.31	0.265	0.60	10.43	10.23	177	--	--
12:47	12	3.83	7.46	0.266	0.40	10.66	9.53	170.9	--	--
12:54	19	3.82	7.57	0.268	1.0	10.13	11.95	164.5	--	--

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-230412 Sample Time: 12:59 Sample Depth (ft-bmp) (e.g. pump intake): 11

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 3.82

ft-bmp = feet below measuring point
in. = inches
mS/cm = milliSiemens per centimeter
NTU = Nephe
mV = millivolts

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	OS-2	**Date**	4/12/2023		
Site Location	Fishkill, New York	**Site ID**	PMG00037	**Weather(°F)**	Clear	**Sampled by**	Shekhar Gahlod
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)	5.89	**Total Depth (ft-bmp)**	15.1	**Water Column(ft)**	9.21	**Gallons in Well**	5.99
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	12:04	**Well Volumes Purged**	3.01	**Sample ID**	OS-2-W-230412	**Purge Equipment**	Submersible
Purge Start	11:41	**Gallons Purged**	18	**Duplicate ID**	--	**Sample Equipment**	Submersible
Purge End	11:59	**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	**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	Depth to Water	pH	Conductivity	Turbidity	Dissolved	Temperature (°C)	Redox	Appearance	
									Color	Odor
11:41	0	5.89	6.81	0.325	1.9	7.52	7.98	177.4	--	--
11:47	6	5.99	5.94	0.321	1.8	6.79	7.81	214.2	--	--
11:53	12	5.99	6.11	0.316	0.40	6.62	7.71	203.9	--	--
11:59	18	6	6.24	0.315	0.00	6.57	7.67	195.4	--	--

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-230412 Sample Time: 12:04 Sample Depth (ft-bmp) (e.g. pump intake): 13

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 6

ft-bmp = feet below measuring point
in. = inches
mS/cm = milliSiemens per centimeter
NTU = Nephe
mV = millivolts

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	OR-3	**Date**	4/13/2023		
Site Location	Fishkill, New York	**Site ID**	PMG00037	**Weather(°F)**	Clear	**Sampled by**	Shekhar Gahlod
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)	21.02	**Total Depth (ft-bmp)**	73.93	**Water Column(ft)**	52.91	**Gallons in Well**	34.39
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**		Grab	
Sample Time	10:46	**Well Volumes Purged**	3.14	**Sample ID**	OR-3-W-230413	**Purge Equipment**	Submersible
Purge Start	09:47	**Gallons Purged**	108	**Duplicate ID**	MS/MSD	**Sample Equipment**	Submersible
Purge End	10:41	**Total Purge Time(h:m)**	0:54				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	2	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	23.64	**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	Depth to Water	pH	Conductivity	Turbidity	Dissolved	Temperature (°C)	Redox	Appearance	
									Color	Odor
09:47	0	21.02	8.53	0.696	17.8	6.71	9.67	41.2	--	--
10:05	36	23.64	7.61	0.718	0.00	0.55	9.71	-89.7	--	--
10:23	72	23.69	7.63	0.722	0.30	0.39	9.71	-97.7	--	--
10:41	108	23.64	7.64	0.722	0.60	0.32	9.73	-101.9	--	--

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-230413 Sample Time: 10:46 Sample Depth (ft-bmp) (e.g. pump intake): 70

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 23.64

ft-bmp = feet below measuring point
in. = inches
mS/cm = milliSiemens per centimeter
NTU = Nephe
mV = millivolts

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	OR-2	**Date**	4/12/2023		
Site Location	Fishkill, New York	**Site ID**	PMG00037	**Weather(°F)**	Clear	**Sampled by**	Shekhar Gahlod
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)	6.9	**Total Depth (ft-bmp)**	41.61	**Water Column(ft)**	34.71	**Gallons in Well**	22.56
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	14:11	**Well Volumes Purged**	3.01	**Sample ID**	OR-2-W-230412	**Purge Equipment**	Submersible
Purge Start	13:27	**Gallons Purged**	68	**Duplicate ID**	DUP	**Sample Equipment**	Submersible
Purge End	14:01	**Total Purge Time(h:m)**	0:34				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	2	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	16.03	**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:**	68

Time	Gallons	Depth to Water	pH	Conductivity	Turbidity	Dissolved	Temperature (°C)	Redox	Appearance	
									Color	Odor
13:27	0	6.9	8.02	0.485	3.3	7.47	10.85	131.4	--	--
13:38	22	12.6	7.28	0.612	3.3	1.08	10.76	-14.1	--	--
13:49	44	14.51	7.28	0.626	0.90	0.68	10.88	-43.3	--	--
14:01	68	16.03	7.32	0.641	0.10	0.54	10.97	-55.4	--	--

Comments: None

Well Casing Volume Conversion

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

Sample Information

Sample ID: OR-2-W-230412 Sample Time: 14:11 Sample Depth (ft-bmp) (e.g. pump intake): 39

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 16.03

ft-bmp = feet below measuring point
in. = inches

mS/cm = milliSiemens per centimeter
NTU = Nephe

mV = millivolts

Chevron Groundwater Sampling Form

ARCADIS

Project Number	30064362	**Well ID**	DC-1	**Date**	10/26/2023		
Site Location	Fishkill, 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)	2.33	**Total Depth (ft-bmp)**	5.55	**Water Column (ft)**	3.22	**Gallons in Well**	0.52
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	12:10	**Well Volumes Purged**	2.98	**Sample ID**	DC-1-W-20231026	**Purge Equipment**	Submersible
Purge Start	12:02	**Gallons Purged**	1.55	**Duplicate ID**	--	**Sample Equipment**	Bailer
Purge End	12:10	**Total Purge Time (h:m)**	0:8				

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)**	3.3	**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:**	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)	Color
12:02	0.25	2.72	7.61	0.603	32.3	6.42	15.70	158	Clear
12:04	0.5	--	7.56	0.614	32.0	6.08	15.00	160.2	Clear
12:06	1	--	7.40	0.614	63.6	4.48	14.40	166.6	Clear
12:08	1.5	3.3	7.33	0.614	202	5.78	13.90	167.7	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: DC-1-W-20231026 Sample Time: 12:10 Sample Depth (ft-bmp) (e.g. pump intake): 5

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling: 3.33

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**	10/25/2023		
Site Location	Fishkill, 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)	1.33	**Total Depth (ft-bmp)**	13.19	**Water Column (ft)**	11.86	**Gallons in Well**	7.71
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	13:25	**Well Volumes Purged**	3.00	**Sample ID**	OS-3-W-20231025	**Purge Equipment**	Submersible
Purge Start	12:36	**Gallons Purged**	23.15	**Duplicate ID**	--	**Sample Equipment**	Submersible
Purge End	13:24	**Total Purge Time (h:m)**	0:48				

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)**	1.49	**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:**	23.15

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Color
12:36	0.5	1.43	6.56	0.217	0.14	8.28	10.60	178.5	Clear
12:52	8	1.45	7.70	0.216	47.6	7.85	10.60	169.7	Clear
13:08	16	1.56	7.81	0.216	85.4	7.88	10.60	170.2	Clear
13:24	24	1.49	7.83	0.217	133	7.93	10.60	170.6	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: OS-3-W-20231025 Sample Time: 13:25 Sample Depth (ft-bmp) (e.g. pump intake): 11

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 1.48

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**	10/26/2023		
Site Location	Fishkill, 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)	2.18	**Total Depth (ft-bmp)**	14.97	**Water Column (ft)**	12.79	**Gallons in Well**	2.08
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	13:20	**Well Volumes Purged**	3.00	**Sample ID**	DC-2-W-20231026	**Purge Equipment**	Submersible
Purge Start	12:51	**Gallons Purged**	6.25	**Duplicate ID**	--	**Sample Equipment**	Submersible
Purge End	13:15	**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)**	5.25	**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:**	6.25

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Color
12:51	0.25	2.16	7.90	0.306	12.8	4.01	14.60	153.9	Clear
12:59	2.1	5.88	6.79	0.271	8.4	3.55	13.70	175.9	Clear
13:07	4.2	5.17	6.76	0.271	4.8	2.92	13.80	171.1	Clear
13:15	6.25	5.25	6.75	0.268	6.3	2.88	13.80	169.9	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-20231026 Sample Time: 13:20 Sample Depth (ft-bmp) (e.g. pump intake): 14

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 5.25

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**	10/26/2023		
Site Location	Fishkill, 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 12	**Casing Diameter (in.)**	2	**Well Casing Material**	
Static Water Level (ft-bmp)	6.6	**Total Depth (ft-bmp)**	13.02	**Water Column (ft)**	6.42	**Gallons in Well**	1.04
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	14:40	**Well Volumes Purged**	3.03	**Sample ID**	TF-25-W-20231025	**Purge Equipment**	Bailer
Purge Start	14:23	**Gallons Purged**	3.15	**Duplicate ID**	--	**Sample Equipment**	Bailer
Purge End	14:35	**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)	0.25	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	6.75	**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:**	3.15

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Color
14:23	0.25	6.65	7.22	0.708	4.7	6.18	16.00	180.5	Clear
14:27	1	6.69	6.96	0.757	17.1	4.61	15.30	185.9	Clear
14:31	2	6.73	6.99	0.764	32.0	4.95	15.20	185.4	Clear
14:35	3.15	6.75	7.06	0.767	27.6	4.88	15.20	182.1	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-25-W-20231025 Sample Time: 14:40 Sample Depth (ft-bmp) (e.g. pump intake): 12

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 6.75

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**	10/26/2023		
Site Location	Fishkill, 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)	6.04	**Total Depth (ft-bmp)**	9.57	**Water Column (ft)**	3.53	**Gallons in Well**	0.57
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	15:00	**Well Volumes Purged**	3.16	**Sample ID**	TF-5-W-20231026	**Purge Equipment**	Bailer
Purge Start	14:52	**Gallons Purged**	1.8	**Duplicate ID**	--	**Sample Equipment**	Bailer
Purge End	14:58	**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)	0.25	**Recharge Type:**	--	**Depth to Water (ft-bmp)**	6.25	**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:**	1.8

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Color
14:52	0.6	6.08	7.02	1.67	11.5	5.54	18.40	190	Clear
14:54	0.6	6.09	6.71	1.76	150	4.60	18.00	194.7	Clear
14:56	1.2	6.2	6.86	1.52	319	4.96	17.80	192.2	Clear
14:58	1.8	6.25	6.64	1.54	235	4.75	17.70	195.9	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-20231026 Sample Time: 15:00 Sample Depth (ft-bmp) (e.g. pump intake): 8.5

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 6.25

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**	10/25/2023		
Site Location	Fishkill, 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)	5.76	**Total Depth (ft-bmp)**	15.1	**Water Column (ft)**	9.34	**Gallons in Well**	6.07
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	12:53	**Well Volumes Purged**	3.05	**Sample ID**	OS-2-S-231025	**Purge Equipment**	Submersible
Purge Start	12:31	**Gallons Purged**	18.5	**Duplicate ID**	--	**Sample Equipment**	Submersible
Purge End	12:43	**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)**	6.03	**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:**	18.5

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Color
12:31	0	6	6.52	0.243	2.2	2.51	16.20	131.9	Clear
12:34	6.2	6.02	6.49	0.247	3.1	2.34	16.20	134.2	Clear
12:39	12.5	6.03	6.51	0.251	0.37	2.26	16.20	140.3	Clear
12:43	18.5	6.03	6.51	0.253	0.00	2.23	16.20	144.4	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-S-231025 Sample Time: 12:53 Sample Depth (ft-bmp) (e.g. pump intake): 10

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 6.03

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**	10/26/2023		
Site Location	Fishkill, New York	**Site ID**	PMG00037	**Weather (°F)**	Clear	**Sampled by**	Shannon Torhan
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)	7.93	**Total Depth (ft-bmp)**	9.13	**Water Column (ft)**	1.2	**Gallons in Well**	0.19
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	10:05	**Well Volumes Purged**	ERROR, please enter volume purged in only one unit.	**Sample ID**	DB-17-W-20231026	**Purge Equipment**	Submersible
Purge Start	09:56			**Duplicate ID**	BD-W-20231026	**Sample Equipment**	Bailer
Purge End	10:00						
		Gallons Purged	0.6				
		Total Purge Time (h:m)	0:4				

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)**	7.98	**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:**	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)	Color
09:56	0.25	7.94	5.96	0.347	0.98	6.02	14.40	170.4	Clear
09:57	0.5	--	6.60	0.339	6.6	5.14	13.60	161.8	Clear
09:58	0.6	7.98	6.62	0.338	4.9	4.86	13.30	169.8	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:	DB-17-W-20231026	Sample Time:	10:05	Sample Depth (ft-bmp) (e.g. pump intake):	8.5
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	7.94

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**	10/26/2023		
Site Location	Fishkill, New York	**Site ID**	PMG00037	**Weather (°F)**	Clear	**Sampled by**	Shannon Torhan
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)	6.45	**Total Depth (ft-bmp)**	16.53	**Water Column (ft)**	10.08	**Gallons in Well**	1.64
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	11:25	**Well Volumes Purged**	3.66	**Sample ID**	DB-8A-20231026	**Purge Equipment**	Submersible
Purge Start	11:11	**Gallons Purged**	6	**Duplicate ID**	MS/MSD	**Sample Equipment**	Submersible
Purge End	11:24	**Total Purge Time (h:m)**	0:13				

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)**	--	**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)	Color
11:11	0.25	6.61	7.27	0.496	195	1.86	14.40	168.4	Clear
11:15	2	6.65	7.01	0.454	18.6	1.23	14.80	166.6	Clear
11:19	4	6.7	6.78	0.417	1.5	1.26	14.80	160.3	Clear
11:23	6	--	6.72	0.414	1.3	1.21	14.70	159.3	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-20231026 Sample Time: 11:25 Sample Depth (ft-bmp) (e.g. pump intake): 16

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling: 6.72

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**	10/27/2023		
Site Location	Fishkill, 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)	13.04	**Total Depth (ft-bmp)**	74.62	**Water Column (ft)**	61.58	**Gallons in Well**	40.02
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	12:20	**Well Volumes Purged**	3.01	**Sample ID**	OR-3-W-231027	**Purge Equipment**	Submersible
Purge Start	10:15	**Gallons Purged**	120.5	**Duplicate ID**	--	**Sample Equipment**	Submersible
Purge End	12:18	**Total Purge Time (h:m)**	2:3				

BoreholeDiameter:	--	**One Borehole Volume (Gallons):**	0	**Specified Volumes:**	1.5	**Calculated Volumes:**	0
Purge Rate (Gallons per Minute)	1	**Recharge Type:**	Slow	**Depth to Water (ft-bmp)**	15.5	**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:**	120.5

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Color
10:15	0	13.25	7.86	0.578	1.6	4.96	10.50	-138.2	Clear
10:55	40.1	15.1	7.73	0.693	2.3	0.11	10.60	-121.1	Clear
11:36	80.4	15.44	7.76	0.695	7.6	0.09	10.60	-110.1	Clear
12:18	120.5	15.5	7.77	0.693	3.1	0.07	10.60	-105.1	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:	OR-3-W-231027	Sample Time:	12:20	Sample Depth (ft-bmp) (e.g. pump intake):	69.62
Analytes and Methods:	See Chain-of-Custody.			Depth to Water at Time of Sampling	15.5

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**	10/25/2023		
Site Location	Fishkill, 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)	5.04	**Total Depth (ft-bmp)**	41.14	**Water Column (ft)**	36.1	**Gallons in Well**	23.46
Water Quality Meter Make/Model	YSI ProDSS	**Purge Method**	Volumetric	**Collection Type**			Grab
Sample Time	10:50	**Well Volumes Purged**	2.98	**Sample ID**	OR-2-W-231027	**Purge Equipment**	Bailer
Purge Start	09:40	**Gallons Purged**	70	**Duplicate ID**	--	**Sample Equipment**	Bailer
Purge End	10:39	**Total Purge Time (h:m)**	0:59				

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)**	13.55	**Purging Method:**	Standard Three Well Volume Purge
Decontamination Method:	2 Stage Rinse	**Depth to Water with 80% Recharge (ft-bmp) :**	--	**Did well dewater?**	yes	**Total Gallons Purged:**	70

Time	Gallons Removed	Depth to Water (ft)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Color
09:40	0	8.79	7.35	0.503	0.01	0.06	12.30	-102.3	--
10:03	23	10.52	7.38	0.506	0.01	0.04	12.87	--	--
10:26	46	11.98	7.38	0.493	0.01	0.01	12.30	-107.2	--
10:39	70	13.55	7.38	0.486	0.01	0.01	12.20	-110.3	--

Comments: Change JPLUG

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-231027 Sample Time: 10:50 Sample Depth (ft-bmp) (e.g. pump intake): 36

Analytes and Methods: See Chain-of-Custody. Depth to Water at Time of Sampling 13.55

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 Submittal

ANALYTICAL REPORT

April 25, 2023

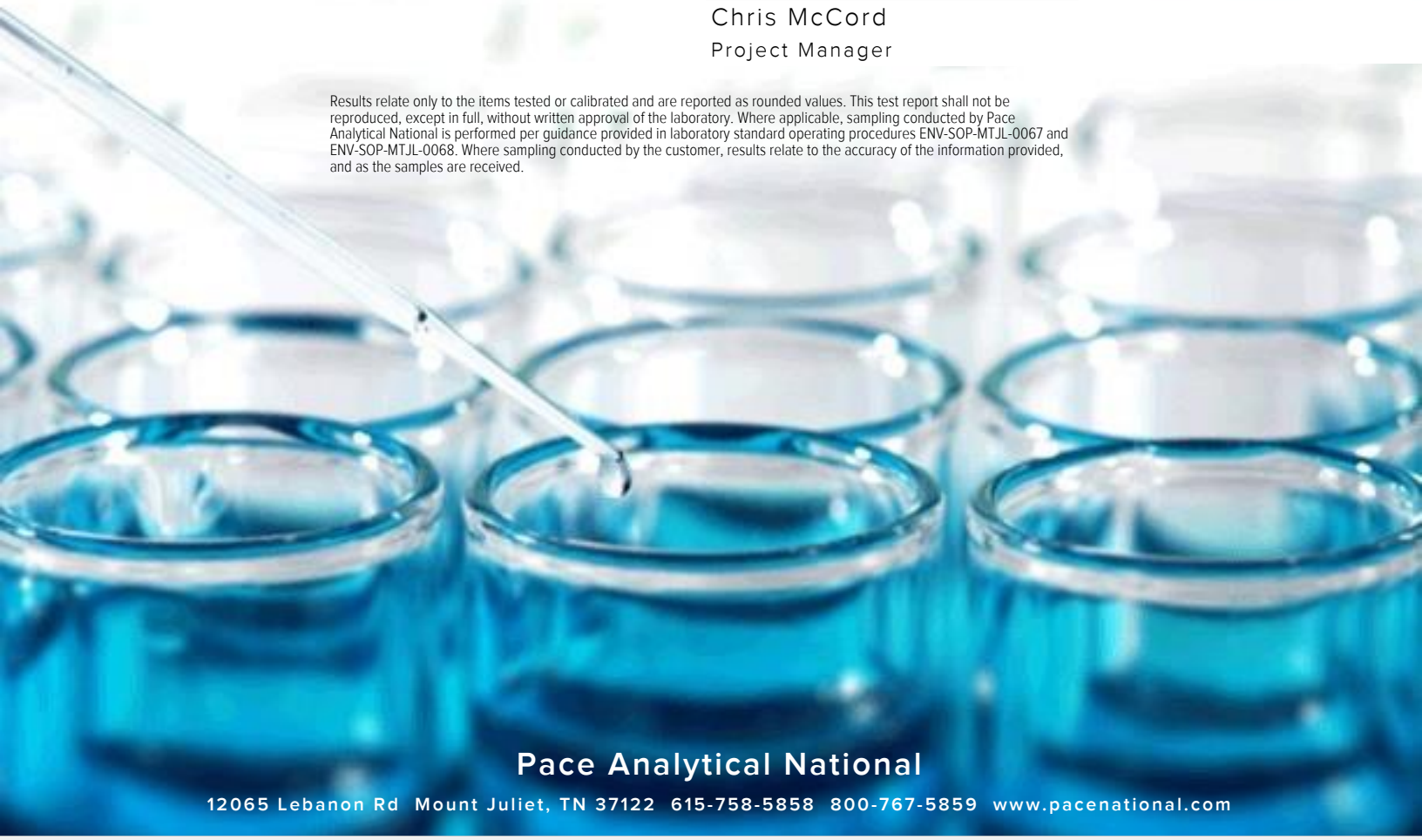
Arcadis - Chevron - NY

Sample Delivery Group:	L1605860
Samples Received:	04/15/2023
Project Number:	30064362.19.45
Description:	Pod 4 - Beacon PMG00037
Site:	PMG00037
Report To:	Max Mansilla 50 Millstone Rd. Bldg 200, Suite 220 East Windsor, NJ 08520

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-230412 L1605860-01 GW

Collected by: Shekhar Gahlca | Collected date/time: 04/12/23 12:04 | Received date/time: 04/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2043048	1	04/20/23 10:14	04/20/23 20:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2043131	1	04/18/23 13:26	04/18/23 13:26	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2043269	1	04/17/23 17:01	04/17/23 17:01	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2043355	1	04/18/23 18:29	04/19/23 23:59	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2043323	1	04/17/23 22:08	04/18/23 10:57	AMG	Mt. Juliet, TN

OS-3-W-230412 L1605860-02 GW

Collected by: Shekhar Gahlca | Collected date/time: 04/12/23 12:59 | Received date/time: 04/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2043048	1	04/20/23 10:14	04/20/23 21:06	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2043131	1	04/18/23 13:49	04/18/23 13:49	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2043269	1	04/17/23 17:21	04/17/23 17:21	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2043355	1	04/18/23 18:29	04/20/23 00:21	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2043323	1	04/17/23 22:08	04/18/23 11:14	JCH	Mt. Juliet, TN

OR-2-W-230412 L1605860-03 GW

Collected by: Shekhar Gahlca | Collected date/time: 04/12/23 14:11 | Received date/time: 04/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2043048	1	04/20/23 10:14	04/20/23 21:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2043131	1	04/18/23 14:13	04/18/23 14:13	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2043269	1	04/17/23 17:41	04/17/23 17:41	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2043355	1	04/18/23 18:29	04/20/23 00:42	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2043323	1	04/17/23 22:08	04/18/23 11:32	JCH	Mt. Juliet, TN

OR-3-W-230413 L1605860-04 GW

Collected by: Shekhar Gahlca | Collected date/time: 04/13/23 10:46 | Received date/time: 04/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2043048	1	04/20/23 10:14	04/20/23 21:13	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2043131	1	04/18/23 14:37	04/18/23 14:37	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2043269	1	04/17/23 18:02	04/17/23 18:02	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2043676	1	04/19/23 06:22	04/19/23 20:46	AED	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2043323	1	04/17/23 22:08	04/18/23 11:49	JCH	Mt. Juliet, TN

DB-17-W-230413 L1605860-05 GW

Collected by: Shekhar Gahlca | Collected date/time: 04/13/23 12:15 | Received date/time: 04/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2043048	1	04/20/23 10:14	04/20/23 21:16	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2043131	1	04/18/23 15:01	04/18/23 15:01	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2043904	1	04/18/23 16:01	04/18/23 16:01	JCP	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2045669	1	04/20/23 22:03	04/20/23 22:03	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod	WG2042500	1	04/16/23 16:04	04/17/23 13:45	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2043676	1	04/19/23 06:22	04/19/23 21:08	AED	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2043323	1	04/17/23 22:08	04/18/23 12:06	JCH	Mt. Juliet, TN

DB-8A-W-230413 L1605860-06 GW

Collected by: Shekhar Gahlca | Collected date/time: 04/13/23 13:13 | Received date/time: 04/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2043048	1	04/20/23 10:14	04/20/23 21:26	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2043131	1	04/18/23 15:25	04/18/23 15:25	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2043904	1	04/18/23 16:23	04/18/23 16:23	JCP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod	WG2042500	1	04/16/23 16:04	04/17/23 11:29	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2043676	1	04/19/23 06:22	04/19/23 21:29	AED	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2043323	1	04/17/23 22:08	04/18/23 12:24	JCH	Mt. Juliet, TN

DC-2-W-230413 L1605860-07 GW

Collected by: Shekhar Gahlca | Collected date/time: 04/13/23 14:17 | Received date/time: 04/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2043048	1	04/20/23 10:14	04/20/23 21:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2043131	1	04/18/23 15:49	04/18/23 15:49	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2043904	1	04/18/23 16:45	04/18/23 16:45	JCP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2043676	1	04/19/23 06:22	04/19/23 21:51	AED	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2043323	1	04/17/23 22:08	04/18/23 12:41	JCH	Mt. Juliet, TN

DC-1-W-230414 L1605860-08 GW

Collected by: Shekhar Gahlca | Collected date/time: 04/14/23 09:20 | Received date/time: 04/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2043048	1	04/20/23 10:14	04/20/23 21:33	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2043131	1	04/18/23 16:13	04/18/23 16:13	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2043904	1	04/18/23 17:06	04/18/23 17:06	JCP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2043676	1.11	04/19/23 06:22	04/19/23 22:13	AED	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2043323	1	04/17/23 22:08	04/18/23 10:40	KLZ	Mt. Juliet, TN

TF-23-W-230413 L1605860-09 GW

Collected by: Shekhar Gahlca | Collected date/time: 04/14/23 10:27 | Received date/time: 04/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2043048	1	04/20/23 10:14	04/20/23 21:36	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2043131	1	04/18/23 16:37	04/18/23 16:37	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2043904	1	04/18/23 17:28	04/18/23 17:28	JCP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2043676	1	04/19/23 06:22	04/19/23 22:34	AED	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2043323	1	04/17/23 22:08	04/18/23 11:00	KLZ	Mt. Juliet, TN

BD-W-230412 L1605860-11 GW

Collected by: Shekhar Gahlca | Collected date/time: 04/12/23 00:00 | Received date/time: 04/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2043048	1	04/20/23 10:14	04/20/23 21:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2043131	1	04/18/23 17:01	04/18/23 17:01	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2043904	1	04/18/23 17:49	04/18/23 17:49	JCP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2043355	1	04/18/23 18:29	04/20/23 01:03	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2043323	1	04/17/23 22:08	04/18/23 11:20	KLZ	Mt. Juliet, TN

EB-W-230412 L1605860-12 GW

Collected by: Shekhar Gahlca | Collected date/time: 04/12/23 15:00 | Received date/time: 04/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2043048	1	04/20/23 10:14	04/20/23 21:43	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2043131	1	04/18/23 17:25	04/18/23 17:25	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2043904	1	04/18/23 13:09	04/18/23 13:09	JCP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2043355	1	04/18/23 18:29	04/20/23 01:24	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2043323	1	04/17/23 22:08	04/18/23 11:39	KLZ	Mt. Juliet, TN

EB-W-230413 L1605860-13 GW

Collected by: Shekhar Gahlca | Collected date/time: 04/13/23 15:00 | Received date/time: 04/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2043048	1	04/20/23 10:14	04/20/23 21:46	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2043131	1	04/18/23 17:48	04/18/23 17:48	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2043904	1	04/18/23 13:31	04/18/23 13:31	JCP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2043676	1	04/19/23 06:22	04/19/23 18:36	AED	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2043323	1	04/17/23 22:08	04/18/23 11:59	KLZ	Mt. Juliet, TN

EB-W-230414 L1605860-15 GW

Collected by: Shekhar Gahlca | Collected date/time: 04/13/23 15:00 | Received date/time: 04/15/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2043048	1	04/20/23 10:14	04/20/23 21:49	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2043131	1	04/18/23 18:12	04/18/23 18:12	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2043904	1	04/18/23 13:52	04/18/23 13:52	JCP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2043676	1	04/19/23 06:22	04/19/23 18:57	AED	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2043323	1	04/17/23 22:08	04/18/23 12:19	KLZ	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
WG2043269	L1605860-01	Naphthalene
WG2043269	L1605860-02	Naphthalene
WG2043269	L1605860-03	Naphthalene
WG2043269	L1605860-04	Naphthalene
WG2043904	L1605860-06	Naphthalene
WG2043904	L1605860-07	Naphthalene
WG2043904	L1605860-08	Naphthalene
WG2043904	L1605860-09	Naphthalene
WG2043904	L1605860-11	Naphthalene
WG2043904	L1605860-12	Naphthalene
WG2043904	L1605860-13	Naphthalene
WG2043904	L1605860-15	Naphthalene
WG2045669	L1605860-05	Naphthalene

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

Batch	Lab Sample ID	Analytes
WG2043904	(LCSD) R3915346-2, L1605860-05, 06, 07, 08, 09, 11, 12, 13, 15	Isopropylbenzene

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

Batch	Lab Sample ID	Analytes
WG2043904	(LCS) R3915346-1, L1605860-05, 06, 07, 08, 09, 11, 12, 13, 15	Vinyl chloride

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

Batch	Lab Sample ID	Analytes
WG2043904	(LCSD) R3915346-2, L1605860-05, 06, 07, 08, 09, 11, 12, 13, 15	1,2,3-Trichloropropane

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG2043904	(MS) R3915346-4, (MSD) R3915346-5	1,2,3-Trimethylbenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Benzene, Ethylbenzene, Naphthalene, Toluene and Xylenes, Total

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

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

Batch	Lab Sample ID	Analytes
WG2043904	(MS) R3915346-4, (MSD) R3915346-5	1,2-Dibromoethane, 1,2-Dichloroethane, 2-Chlorotoluene, n-Butylbenzene, n-Propylbenzene, p-Isopropyltoluene, sec-Butylbenzene, Styrene and Vinyl acetate

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

Batch	Lab Sample ID	Analytes
WG2043904	(MS) R3915346-4, (MSD) R3915346-5	2-Chloroethyl vinyl ether, 2-Hexanone and trans-1,4-Dichloro-2-butene

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

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2042500	1,4-Dioxane	L1605860-05

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

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
WG2043355	L1605860-01	Benzaldehyde
WG2043355	L1605860-02	Benzaldehyde
WG2043355	L1605860-03	Benzaldehyde
WG2043355	L1605860-11	Benzaldehyde
WG2043355	L1605860-12	Benzaldehyde

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

Batch	Lab Sample ID	Analytes
WG2043355	(LCS) R3915284-1, L1605860-01, 02, 03, 11, 12	2,4,6-Trichlorophenol, 2,6-Dinitrotoluene, 4-Bromophenyl-phenylether, Biphenyl, Carbazole and n-Nitrosodiphenylamine

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

Batch	Lab Sample ID	Analytes
WG2043355	(LCS) R3915284-1, L1605860-01, 02, 03, 11, 12	4-Nitrophenol
WG2043676	(LCS) R3915499-1, L1605860-04, 05, 06, 07, 08, 09, 13, 15	Benzaldehyde, Benzylbutyl phthalate, Bis(2-ethylhexyl)phthalate and Di-n-octyl phthalate

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

Batch	Lab Sample ID	Analytes
WG2043355	(MS) R3915284-4, (MSD) R3915284-5	3,3-Dichlorobenzidine, 4-Bromophenyl-phenylether, Bis(2-ethylhexyl)phthalate, Caprolactam and Carbazole
WG2043676	(MS) R3915499-3, (MSD) R3915499-4	4-Chloroaniline

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

Batch	Lab Sample ID	Analytes
WG2043676	(MS) R3915499-3, (MSD) R3915499-4	Benzaldehyde

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

Batch	Lab Sample ID	Analytes
WG2043355	(MSD) R3915284-5	2-Nitrophenol, 4-Nitrophenol, Bis(2-ethylhexyl)phthalate, Carbazole and Nitrobenzene

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	04/20/2023 20:53	WG2043048

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	04/18/2023 13:26	WG2043131
Acetone	U		11.3	25.0	1	04/17/2023 17:01	WG2043269
Acrylonitrile	U		0.671	5.00	1	04/17/2023 17:01	WG2043269
Benzene	U		0.0941	0.500	1	04/17/2023 17:01	WG2043269
Bromobenzene	U		0.118	0.500	1	04/17/2023 17:01	WG2043269
Bromodichloromethane	U		0.136	0.500	1	04/17/2023 17:01	WG2043269
Bromochloromethane	U		0.128	0.500	1	04/17/2023 17:01	WG2043269
Bromoform	U		0.129	0.500	1	04/17/2023 17:01	WG2043269
Bromomethane	U		0.605	2.50	1	04/17/2023 17:01	WG2043269
n-Butylbenzene	U		0.157	0.500	1	04/17/2023 17:01	WG2043269
sec-Butylbenzene	U		0.125	0.500	1	04/17/2023 17:01	WG2043269
tert-Butylbenzene	U		0.127	0.500	1	04/17/2023 17:01	WG2043269
Carbon disulfide	U		0.0962	0.500	1	04/17/2023 17:01	WG2043269
Carbon tetrachloride	U		0.128	0.500	1	04/17/2023 17:01	WG2043269
Chlorobenzene	U		0.117	0.500	1	04/17/2023 17:01	WG2043269
Chlorodibromomethane	U		0.140	0.500	1	04/17/2023 17:01	WG2043269
Chloroethane	U		0.192	2.50	1	04/17/2023 17:01	WG2043269
2-Chloroethyl vinyl ether	U		0.575	50.0	1	04/17/2023 17:01	WG2043269
Chloroform	U		0.111	0.500	1	04/17/2023 17:01	WG2043269
Chloromethane	U		0.960	1.25	1	04/17/2023 17:01	WG2043269
2-Chlorotoluene	U		0.106	0.500	1	04/17/2023 17:01	WG2043269
4-Chlorotoluene	U		0.114	0.500	1	04/17/2023 17:01	WG2043269
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/17/2023 17:01	WG2043269
1,2-Dibromoethane	U		0.126	0.500	1	04/17/2023 17:01	WG2043269
Dibromomethane	U		0.122	0.500	1	04/17/2023 17:01	WG2043269
1,2-Dichlorobenzene	U		0.107	0.500	1	04/17/2023 17:01	WG2043269
1,3-Dichlorobenzene	U		0.299	0.500	1	04/17/2023 17:01	WG2043269
1,4-Dichlorobenzene	U		0.120	0.500	1	04/17/2023 17:01	WG2043269
Dichlorodifluoromethane	U		0.374	2.50	1	04/17/2023 17:01	WG2043269
1,1-Dichloroethane	U		0.100	0.500	1	04/17/2023 17:01	WG2043269
1,2-Dichloroethane	U		0.0819	0.500	1	04/17/2023 17:01	WG2043269
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2023 17:01	WG2043269
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/17/2023 17:01	WG2043269
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/17/2023 17:01	WG2043269
1,2-Dichloropropane	U		0.149	0.500	1	04/17/2023 17:01	WG2043269
1,1-Dichloropropene	U		0.142	0.500	1	04/17/2023 17:01	WG2043269
1,3-Dichloropropane	U		0.109	1.00	1	04/17/2023 17:01	WG2043269
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/17/2023 17:01	WG2043269
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/17/2023 17:01	WG2043269
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/17/2023 17:01	WG2043269
2,2-Dichloropropane	U		0.161	0.500	1	04/17/2023 17:01	WG2043269
Di-isopropyl ether	U		0.105	0.500	1	04/17/2023 17:01	WG2043269
Ethylbenzene	U		0.137	0.500	1	04/17/2023 17:01	WG2043269
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/17/2023 17:01	WG2043269
2-Hexanone	U		0.787	5.00	1	04/17/2023 17:01	WG2043269
n-Hexane	U		0.749	5.00	1	04/17/2023 17:01	WG2043269
Iodomethane	U		0.554	5.00	1	04/17/2023 17:01	WG2043269
Isopropylbenzene	U		0.105	0.500	1	04/17/2023 17:01	WG2043269
p-Isopropyltoluene	U		0.120	0.500	1	04/17/2023 17:01	WG2043269
2-Butanone (MEK)	U		1.19	5.00	1	04/17/2023 17:01	WG2043269

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	04/17/2023 17:01	WG2043269
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/17/2023 17:01	WG2043269
Methyl tert-butyl ether	U		0.101	0.500	1	04/17/2023 17:01	WG2043269
Naphthalene	U	C3	0.174	2.50	1	04/17/2023 17:01	WG2043269
n-Propylbenzene	U		0.0993	0.500	1	04/17/2023 17:01	WG2043269
Styrene	U		0.118	0.500	1	04/17/2023 17:01	WG2043269
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/17/2023 17:01	WG2043269
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/17/2023 17:01	WG2043269
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/17/2023 17:01	WG2043269
Tetrachloroethene	U		0.300	0.500	1	04/17/2023 17:01	WG2043269
Toluene	U		0.278	0.500	1	04/17/2023 17:01	WG2043269
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2023 17:01	WG2043269
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/17/2023 17:01	WG2043269
1,1,1-Trichloroethane	U		0.149	0.500	1	04/17/2023 17:01	WG2043269
1,1,2-Trichloroethane	U		0.158	0.500	1	04/17/2023 17:01	WG2043269
Trichloroethene	U		0.190	0.500	1	04/17/2023 17:01	WG2043269
Trichlorofluoromethane	U		0.160	2.50	1	04/17/2023 17:01	WG2043269
1,2,3-Trichloropropane	U		0.237	2.50	1	04/17/2023 17:01	WG2043269
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/17/2023 17:01	WG2043269
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/17/2023 17:01	WG2043269
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/17/2023 17:01	WG2043269
Vinyl acetate	U		0.692	5.00	1	04/17/2023 17:01	WG2043269
Vinyl chloride	U		0.234	0.500	1	04/17/2023 17:01	WG2043269
Xylenes, Total	U		0.174	1.50	1	04/17/2023 17:01	WG2043269
(S) Toluene-d8	*109*			*80.0-120*		*04/17/2023 17:01*	WG2043269
(S) 4-Bromofluorobenzene	*95.4*			*77.0-126*		*04/17/2023 17:01*	WG2043269
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*04/17/2023 17:01*	WG2043269

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	04/19/2023 23:59	WG2043355
Atrazine	U		0.255	10.0	1	04/19/2023 23:59	WG2043355
Benzaldehyde	U	C3	1.69	10.0	1	04/19/2023 23:59	WG2043355
Biphenyl	U	J4	0.790	10.0	1	04/19/2023 23:59	WG2043355
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/19/2023 23:59	WG2043355
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/19/2023 23:59	WG2043355
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/19/2023 23:59	WG2043355
4-Bromophenyl-phenylether	U	J4	0.0877	10.0	1	04/19/2023 23:59	WG2043355
Caprolactam	U		0.309	10.0	1	04/19/2023 23:59	WG2043355
Carbazole	U	J4	0.111	10.0	1	04/19/2023 23:59	WG2043355
4-Chloroaniline	U		0.234	5.00	1	04/19/2023 23:59	WG2043355
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/19/2023 23:59	WG2043355
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/19/2023 23:59	WG2043355
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/19/2023 23:59	WG2043355
2,6-Dinitrotoluene	U	J4	0.250	5.00	1	04/19/2023 23:59	WG2043355
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/19/2023 23:59	WG2043355
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/19/2023 23:59	WG2043355
Hexachloroethane	U		0.127	5.00	1	04/19/2023 23:59	WG2043355
Isophorone	U		0.143	10.0	1	04/19/2023 23:59	WG2043355
2-Nitroaniline	U		0.102	10.0	1	04/19/2023 23:59	WG2043355
3-Nitroaniline	U		0.0869	5.00	1	04/19/2023 23:59	WG2043355
4-Nitroaniline	U		0.0910	5.00	1	04/19/2023 23:59	WG2043355
Nitrobenzene	U		0.297	10.0	1	04/19/2023 23:59	WG2043355
n-Nitrosodiphenylamine	U	J4	2.37	10.0	1	04/19/2023 23:59	WG2043355
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/19/2023 23:59	WG2043355

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	04/19/2023 23:59	WG2043355
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	04/19/2023 23:59	WG2043355
Di-n-butyl phthalate	U		0.453	3.00	1	04/19/2023 23:59	WG2043355
Diethyl phthalate	U		0.287	3.00	1	04/19/2023 23:59	WG2043355
Dimethyl phthalate	U		0.260	3.00	1	04/19/2023 23:59	WG2043355
Di-n-octyl phthalate	U		0.932	3.00	1	04/19/2023 23:59	WG2043355
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/19/2023 23:59	WG2043355
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/19/2023 23:59	WG2043355
2-Chlorophenol	U		0.133	1.00	1	04/19/2023 23:59	WG2043355
2-Methylphenol	U		0.0929	1.00	1	04/19/2023 23:59	WG2043355
3&4-Methyl Phenol	U		0.168	1.00	1	04/19/2023 23:59	WG2043355
2,4-Dichlorophenol	U		0.102	5.00	1	04/19/2023 23:59	WG2043355
2,4-Dimethylphenol	U		0.0636	10.0	1	04/19/2023 23:59	WG2043355
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	04/19/2023 23:59	WG2043355
2,4-Dinitrophenol	U		5.93	10.0	1	04/19/2023 23:59	WG2043355
2-Nitrophenol	U		0.117	10.0	1	04/19/2023 23:59	WG2043355
4-Nitrophenol	U	J4	0.143	10.0	1	04/19/2023 23:59	WG2043355
Pentachlorophenol	U		0.313	1.00	1	04/19/2023 23:59	WG2043355
Phenol	U		4.33	10.0	1	04/19/2023 23:59	WG2043355
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/19/2023 23:59	WG2043355
2,4,6-Trichlorophenol	U	J4	0.100	1.00	1	04/19/2023 23:59	WG2043355
(S) 2-Fluorophenol	*19.8*			*10.0-120*		*04/19/2023 23:59*	WG2043355
(S) Phenol-d5	*13.8*			*10.0-120*		*04/19/2023 23:59*	WG2043355
(S) Nitrobenzene-d5	*36.3*			*10.0-127*		*04/19/2023 23:59*	WG2043355
(S) 2-Fluorobiphenyl	*36.7*			*10.0-130*		*04/19/2023 23:59*	WG2043355
(S) 2,4,6-Tribromophenol	*39.4*			*10.0-155*		*04/19/2023 23:59*	WG2043355
(S) p-Terphenyl-d14	*44.0*			*10.0-128*		*04/19/2023 23:59*	WG2043355

Sample Narrative:

L1605860-01 WG2043355: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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	04/18/2023 10:57	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 10:57	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 10:57	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 10:57	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 10:57	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 10:57	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 10:57	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 10:57	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 10:57	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 10:57	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 10:57	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 10:57	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 10:57	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 10:57	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 10:57	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 10:57	WG2043323
Phenanthrene	0.0213	J	0.0180	0.0500	1	04/18/2023 10:57	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 10:57	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 10:57	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 10:57	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 10:57	WG2043323
(S) Nitrobenzene-d5	*96.0*			*31.0-160*		*04/18/2023 10:57*	WG2043323

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	*97.0*			*48.0-148*		*04/18/2023 10:57*	WG2043323
(S) p-Terphenyl-d14	*91.0*			*37.0-146*		*04/18/2023 10:57*	WG2043323

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	04/20/2023 21:06	WG2043048

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	04/18/2023 13:49	WG2043131
Acetone	U		11.3	25.0	1	04/17/2023 17:21	WG2043269
Acrylonitrile	U		0.671	5.00	1	04/17/2023 17:21	WG2043269
Benzene	U		0.0941	0.500	1	04/17/2023 17:21	WG2043269
Bromobenzene	U		0.118	0.500	1	04/17/2023 17:21	WG2043269
Bromodichloromethane	U		0.136	0.500	1	04/17/2023 17:21	WG2043269
Bromochloromethane	U		0.128	0.500	1	04/17/2023 17:21	WG2043269
Bromoform	U		0.129	0.500	1	04/17/2023 17:21	WG2043269
Bromomethane	U		0.605	2.50	1	04/17/2023 17:21	WG2043269
n-Butylbenzene	U		0.157	0.500	1	04/17/2023 17:21	WG2043269
sec-Butylbenzene	U		0.125	0.500	1	04/17/2023 17:21	WG2043269
tert-Butylbenzene	U		0.127	0.500	1	04/17/2023 17:21	WG2043269
Carbon disulfide	U		0.0962	0.500	1	04/17/2023 17:21	WG2043269
Carbon tetrachloride	U		0.128	0.500	1	04/17/2023 17:21	WG2043269
Chlorobenzene	U		0.117	0.500	1	04/17/2023 17:21	WG2043269
Chlorodibromomethane	U		0.140	0.500	1	04/17/2023 17:21	WG2043269
Chloroethane	U		0.192	2.50	1	04/17/2023 17:21	WG2043269
2-Chloroethyl vinyl ether	U		0.575	50.0	1	04/17/2023 17:21	WG2043269
Chloroform	U		0.111	0.500	1	04/17/2023 17:21	WG2043269
Chloromethane	U		0.960	1.25	1	04/17/2023 17:21	WG2043269
2-Chlorotoluene	U		0.106	0.500	1	04/17/2023 17:21	WG2043269
4-Chlorotoluene	U		0.114	0.500	1	04/17/2023 17:21	WG2043269
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/17/2023 17:21	WG2043269
1,2-Dibromoethane	U		0.126	0.500	1	04/17/2023 17:21	WG2043269
Dibromomethane	U		0.122	0.500	1	04/17/2023 17:21	WG2043269
1,2-Dichlorobenzene	U		0.107	0.500	1	04/17/2023 17:21	WG2043269
1,3-Dichlorobenzene	U		0.299	0.500	1	04/17/2023 17:21	WG2043269
1,4-Dichlorobenzene	U		0.120	0.500	1	04/17/2023 17:21	WG2043269
Dichlorodifluoromethane	U		0.374	2.50	1	04/17/2023 17:21	WG2043269
1,1-Dichloroethane	U		0.100	0.500	1	04/17/2023 17:21	WG2043269
1,2-Dichloroethane	U		0.0819	0.500	1	04/17/2023 17:21	WG2043269
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2023 17:21	WG2043269
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/17/2023 17:21	WG2043269
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/17/2023 17:21	WG2043269
1,2-Dichloropropane	U		0.149	0.500	1	04/17/2023 17:21	WG2043269
1,1-Dichloropropene	U		0.142	0.500	1	04/17/2023 17:21	WG2043269
1,3-Dichloropropane	U		0.109	1.00	1	04/17/2023 17:21	WG2043269
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/17/2023 17:21	WG2043269
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/17/2023 17:21	WG2043269
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/17/2023 17:21	WG2043269
2,2-Dichloropropane	U		0.161	0.500	1	04/17/2023 17:21	WG2043269
Di-isopropyl ether	U		0.105	0.500	1	04/17/2023 17:21	WG2043269
Ethylbenzene	U		0.137	0.500	1	04/17/2023 17:21	WG2043269
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/17/2023 17:21	WG2043269
2-Hexanone	U		0.787	5.00	1	04/17/2023 17:21	WG2043269
n-Hexane	U		0.749	5.00	1	04/17/2023 17:21	WG2043269
Iodomethane	U		0.554	5.00	1	04/17/2023 17:21	WG2043269
Isopropylbenzene	U		0.105	0.500	1	04/17/2023 17:21	WG2043269
p-Isopropyltoluene	U		0.120	0.500	1	04/17/2023 17:21	WG2043269
2-Butanone (MEK)	U		1.19	5.00	1	04/17/2023 17:21	WG2043269

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	04/17/2023 17:21	WG2043269
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/17/2023 17:21	WG2043269
Methyl tert-butyl ether	U		0.101	0.500	1	04/17/2023 17:21	WG2043269
Naphthalene	U	C3	0.174	2.50	1	04/17/2023 17:21	WG2043269
n-Propylbenzene	U		0.0993	0.500	1	04/17/2023 17:21	WG2043269
Styrene	U		0.118	0.500	1	04/17/2023 17:21	WG2043269
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/17/2023 17:21	WG2043269
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/17/2023 17:21	WG2043269
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/17/2023 17:21	WG2043269
Tetrachloroethene	U		0.300	0.500	1	04/17/2023 17:21	WG2043269
Toluene	U		0.278	0.500	1	04/17/2023 17:21	WG2043269
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2023 17:21	WG2043269
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/17/2023 17:21	WG2043269
1,1,1-Trichloroethane	U		0.149	0.500	1	04/17/2023 17:21	WG2043269
1,1,2-Trichloroethane	U		0.158	0.500	1	04/17/2023 17:21	WG2043269
Trichloroethene	U		0.190	0.500	1	04/17/2023 17:21	WG2043269
Trichlorofluoromethane	U		0.160	2.50	1	04/17/2023 17:21	WG2043269
1,2,3-Trichloropropane	U		0.237	2.50	1	04/17/2023 17:21	WG2043269
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/17/2023 17:21	WG2043269
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/17/2023 17:21	WG2043269
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/17/2023 17:21	WG2043269
Vinyl acetate	U		0.692	5.00	1	04/17/2023 17:21	WG2043269
Vinyl chloride	U		0.234	0.500	1	04/17/2023 17:21	WG2043269
Xylenes, Total	U		0.174	1.50	1	04/17/2023 17:21	WG2043269
(S) Toluene-d8	*107*			*80.0-120*		*04/17/2023 17:21*	WG2043269
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*		*04/17/2023 17:21*	WG2043269
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*04/17/2023 17:21*	WG2043269

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	04/20/2023 00:21	WG2043355
Atrazine	U		0.255	10.0	1	04/20/2023 00:21	WG2043355
Benzaldehyde	U	C3	1.69	10.0	1	04/20/2023 00:21	WG2043355
Biphenyl	U	J4	0.790	10.0	1	04/20/2023 00:21	WG2043355
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/20/2023 00:21	WG2043355
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/20/2023 00:21	WG2043355
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/20/2023 00:21	WG2043355
4-Bromophenyl-phenylether	U	J4	0.0877	10.0	1	04/20/2023 00:21	WG2043355
Caprolactam	U		0.309	10.0	1	04/20/2023 00:21	WG2043355
Carbazole	U	J4	0.111	10.0	1	04/20/2023 00:21	WG2043355
4-Chloroaniline	U		0.234	5.00	1	04/20/2023 00:21	WG2043355
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/20/2023 00:21	WG2043355
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/20/2023 00:21	WG2043355
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/20/2023 00:21	WG2043355
2,6-Dinitrotoluene	U	J4	0.250	5.00	1	04/20/2023 00:21	WG2043355
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/20/2023 00:21	WG2043355
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/20/2023 00:21	WG2043355
Hexachloroethane	U		0.127	5.00	1	04/20/2023 00:21	WG2043355
Isophorone	U		0.143	10.0	1	04/20/2023 00:21	WG2043355
2-Nitroaniline	U		0.102	10.0	1	04/20/2023 00:21	WG2043355
3-Nitroaniline	U		0.0869	5.00	1	04/20/2023 00:21	WG2043355
4-Nitroaniline	U		0.0910	5.00	1	04/20/2023 00:21	WG2043355
Nitrobenzene	U		0.297	10.0	1	04/20/2023 00:21	WG2043355
n-Nitrosodiphenylamine	U	J4	2.37	10.0	1	04/20/2023 00:21	WG2043355
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/20/2023 00:21	WG2043355

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	04/20/2023 00:21	WG2043355
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	04/20/2023 00:21	WG2043355
Di-n-butyl phthalate	U		0.453	3.00	1	04/20/2023 00:21	WG2043355
Diethyl phthalate	U		0.287	3.00	1	04/20/2023 00:21	WG2043355
Dimethyl phthalate	U		0.260	3.00	1	04/20/2023 00:21	WG2043355
Di-n-octyl phthalate	U		0.932	3.00	1	04/20/2023 00:21	WG2043355
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/20/2023 00:21	WG2043355
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/20/2023 00:21	WG2043355
2-Chlorophenol	U		0.133	1.00	1	04/20/2023 00:21	WG2043355
2-Methylphenol	U		0.0929	1.00	1	04/20/2023 00:21	WG2043355
3&4-Methyl Phenol	U		0.168	1.00	1	04/20/2023 00:21	WG2043355
2,4-Dichlorophenol	U		0.102	5.00	1	04/20/2023 00:21	WG2043355
2,4-Dimethylphenol	U		0.0636	10.0	1	04/20/2023 00:21	WG2043355
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	04/20/2023 00:21	WG2043355
2,4-Dinitrophenol	U		5.93	10.0	1	04/20/2023 00:21	WG2043355
2-Nitrophenol	U		0.117	10.0	1	04/20/2023 00:21	WG2043355
4-Nitrophenol	U	J4	0.143	10.0	1	04/20/2023 00:21	WG2043355
Pentachlorophenol	U		0.313	1.00	1	04/20/2023 00:21	WG2043355
Phenol	U		4.33	10.0	1	04/20/2023 00:21	WG2043355
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/20/2023 00:21	WG2043355
2,4,6-Trichlorophenol	U	J4	0.100	1.00	1	04/20/2023 00:21	WG2043355
(S) 2-Fluorophenol	*20.2*			*10.0-120*		*04/20/2023 00:21*	WG2043355
(S) Phenol-d5	*13.4*			*10.0-120*		*04/20/2023 00:21*	WG2043355
(S) Nitrobenzene-d5	*31.2*			*10.0-127*		*04/20/2023 00:21*	WG2043355
(S) 2-Fluorobiphenyl	*30.9*			*10.0-130*		*04/20/2023 00:21*	WG2043355
(S) 2,4,6-Tribromophenol	*31.5*			*10.0-155*		*04/20/2023 00:21*	WG2043355
(S) p-Terphenyl-d14	*36.3*			*10.0-128*		*04/20/2023 00:21*	WG2043355

Sample Narrative:

L1605860-02 WG2043355: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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	04/18/2023 11:14	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 11:14	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 11:14	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 11:14	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 11:14	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 11:14	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 11:14	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 11:14	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 11:14	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 11:14	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 11:14	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 11:14	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 11:14	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 11:14	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 11:14	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 11:14	WG2043323
Phenanthrene	0.0201	J	0.0180	0.0500	1	04/18/2023 11:14	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 11:14	WG2043323
1-Methylnaphthalene	0.0807	J	0.0687	0.250	1	04/18/2023 11:14	WG2043323
2-Methylnaphthalene	0.0946	J	0.0674	0.250	1	04/18/2023 11:14	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 11:14	WG2043323
(S) Nitrobenzene-d5	*109*			*31.0-160*		*04/18/2023 11:14*	WG2043323

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	*96.5*			*48.0-148*		*04/18/2023 11:14*	WG2043323
(S) p-Terphenyl-d14	*98.0*			*37.0-146*		*04/18/2023 11:14*	WG2043323

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	04/20/2023 21:10	WG2043048

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	04/18/2023 14:13	WG2043131
Acetone	U		11.3	25.0	1	04/17/2023 17:41	WG2043269
Acrylonitrile	U		0.671	5.00	1	04/17/2023 17:41	WG2043269
Benzene	U		0.0941	0.500	1	04/17/2023 17:41	WG2043269
Bromobenzene	U		0.118	0.500	1	04/17/2023 17:41	WG2043269
Bromodichloromethane	U		0.136	0.500	1	04/17/2023 17:41	WG2043269
Bromochloromethane	U		0.128	0.500	1	04/17/2023 17:41	WG2043269
Bromoform	U		0.129	0.500	1	04/17/2023 17:41	WG2043269
Bromomethane	U		0.605	2.50	1	04/17/2023 17:41	WG2043269
n-Butylbenzene	U		0.157	0.500	1	04/17/2023 17:41	WG2043269
sec-Butylbenzene	U		0.125	0.500	1	04/17/2023 17:41	WG2043269
tert-Butylbenzene	U		0.127	0.500	1	04/17/2023 17:41	WG2043269
Carbon disulfide	U		0.0962	0.500	1	04/17/2023 17:41	WG2043269
Carbon tetrachloride	U		0.128	0.500	1	04/17/2023 17:41	WG2043269
Chlorobenzene	U		0.117	0.500	1	04/17/2023 17:41	WG2043269
Chlorodibromomethane	U		0.140	0.500	1	04/17/2023 17:41	WG2043269
Chloroethane	U		0.192	2.50	1	04/17/2023 17:41	WG2043269
2-Chloroethyl vinyl ether	U		0.575	50.0	1	04/17/2023 17:41	WG2043269
Chloroform	U		0.111	0.500	1	04/17/2023 17:41	WG2043269
Chloromethane	U		0.960	1.25	1	04/17/2023 17:41	WG2043269
2-Chlorotoluene	U		0.106	0.500	1	04/17/2023 17:41	WG2043269
4-Chlorotoluene	U		0.114	0.500	1	04/17/2023 17:41	WG2043269
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/17/2023 17:41	WG2043269
1,2-Dibromoethane	U		0.126	0.500	1	04/17/2023 17:41	WG2043269
Dibromomethane	U		0.122	0.500	1	04/17/2023 17:41	WG2043269
1,2-Dichlorobenzene	U		0.107	0.500	1	04/17/2023 17:41	WG2043269
1,3-Dichlorobenzene	U		0.299	0.500	1	04/17/2023 17:41	WG2043269
1,4-Dichlorobenzene	U		0.120	0.500	1	04/17/2023 17:41	WG2043269
Dichlorodifluoromethane	U		0.374	2.50	1	04/17/2023 17:41	WG2043269
1,1-Dichloroethane	0.186	J	0.100	0.500	1	04/17/2023 17:41	WG2043269
1,2-Dichloroethane	U		0.0819	0.500	1	04/17/2023 17:41	WG2043269
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2023 17:41	WG2043269
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/17/2023 17:41	WG2043269
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/17/2023 17:41	WG2043269
1,2-Dichloropropane	U		0.149	0.500	1	04/17/2023 17:41	WG2043269
1,1-Dichloropropene	U		0.142	0.500	1	04/17/2023 17:41	WG2043269
1,3-Dichloropropane	U		0.109	1.00	1	04/17/2023 17:41	WG2043269
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/17/2023 17:41	WG2043269
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/17/2023 17:41	WG2043269
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/17/2023 17:41	WG2043269
2,2-Dichloropropane	U		0.161	0.500	1	04/17/2023 17:41	WG2043269
Di-isopropyl ether	U		0.105	0.500	1	04/17/2023 17:41	WG2043269
Ethylbenzene	U		0.137	0.500	1	04/17/2023 17:41	WG2043269
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/17/2023 17:41	WG2043269
2-Hexanone	U		0.787	5.00	1	04/17/2023 17:41	WG2043269
n-Hexane	U		0.749	5.00	1	04/17/2023 17:41	WG2043269
Iodomethane	U		0.554	5.00	1	04/17/2023 17:41	WG2043269
Isopropylbenzene	U		0.105	0.500	1	04/17/2023 17:41	WG2043269
p-Isopropyltoluene	U		0.120	0.500	1	04/17/2023 17:41	WG2043269
2-Butanone (MEK)	U		1.19	5.00	1	04/17/2023 17:41	WG2043269

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	04/17/2023 17:41	WG2043269
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/17/2023 17:41	WG2043269
Methyl tert-butyl ether	U		0.101	0.500	1	04/17/2023 17:41	WG2043269
Naphthalene	U	C3	0.174	2.50	1	04/17/2023 17:41	WG2043269
n-Propylbenzene	U		0.0993	0.500	1	04/17/2023 17:41	WG2043269
Styrene	U		0.118	0.500	1	04/17/2023 17:41	WG2043269
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/17/2023 17:41	WG2043269
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/17/2023 17:41	WG2043269
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/17/2023 17:41	WG2043269
Tetrachloroethene	U		0.300	0.500	1	04/17/2023 17:41	WG2043269
Toluene	U		0.278	0.500	1	04/17/2023 17:41	WG2043269
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2023 17:41	WG2043269
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/17/2023 17:41	WG2043269
1,1,1-Trichloroethane	U		0.149	0.500	1	04/17/2023 17:41	WG2043269
1,1,2-Trichloroethane	U		0.158	0.500	1	04/17/2023 17:41	WG2043269
Trichloroethene	U		0.190	0.500	1	04/17/2023 17:41	WG2043269
Trichlorofluoromethane	U		0.160	2.50	1	04/17/2023 17:41	WG2043269
1,2,3-Trichloropropane	U		0.237	2.50	1	04/17/2023 17:41	WG2043269
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/17/2023 17:41	WG2043269
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/17/2023 17:41	WG2043269
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/17/2023 17:41	WG2043269
Vinyl acetate	U		0.692	5.00	1	04/17/2023 17:41	WG2043269
Vinyl chloride	U		0.234	0.500	1	04/17/2023 17:41	WG2043269
Xylenes, Total	U		0.174	1.50	1	04/17/2023 17:41	WG2043269
(S) Toluene-d8	*105*			*80.0-120*		*04/17/2023 17:41*	WG2043269
(S) 4-Bromofluorobenzene	*93.9*			*77.0-126*		*04/17/2023 17:41*	WG2043269
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*04/17/2023 17:41*	WG2043269

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	04/20/2023 00:42	WG2043355
Atrazine	U		0.255	10.0	1	04/20/2023 00:42	WG2043355
Benzaldehyde	U	C3	1.69	10.0	1	04/20/2023 00:42	WG2043355
Biphenyl	U	J4	0.790	10.0	1	04/20/2023 00:42	WG2043355
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/20/2023 00:42	WG2043355
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/20/2023 00:42	WG2043355
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/20/2023 00:42	WG2043355
4-Bromophenyl-phenylether	U	J4	0.0877	10.0	1	04/20/2023 00:42	WG2043355
Caprolactam	U		0.309	10.0	1	04/20/2023 00:42	WG2043355
Carbazole	U	J4	0.111	10.0	1	04/20/2023 00:42	WG2043355
4-Chloroaniline	U		0.234	5.00	1	04/20/2023 00:42	WG2043355
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/20/2023 00:42	WG2043355
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/20/2023 00:42	WG2043355
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/20/2023 00:42	WG2043355
2,6-Dinitrotoluene	U	J4	0.250	5.00	1	04/20/2023 00:42	WG2043355
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/20/2023 00:42	WG2043355
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/20/2023 00:42	WG2043355
Hexachloroethane	U		0.127	5.00	1	04/20/2023 00:42	WG2043355
Isophorone	U		0.143	10.0	1	04/20/2023 00:42	WG2043355
2-Nitroaniline	U		0.102	10.0	1	04/20/2023 00:42	WG2043355
3-Nitroaniline	U		0.0869	5.00	1	04/20/2023 00:42	WG2043355
4-Nitroaniline	U		0.0910	5.00	1	04/20/2023 00:42	WG2043355
Nitrobenzene	U		0.297	10.0	1	04/20/2023 00:42	WG2043355
n-Nitrosodiphenylamine	U	J4	2.37	10.0	1	04/20/2023 00:42	WG2043355
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/20/2023 00:42	WG2043355

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	04/20/2023 00:42	WG2043355
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	04/20/2023 00:42	WG2043355
Di-n-butyl phthalate	U		0.453	3.00	1	04/20/2023 00:42	WG2043355
Diethyl phthalate	U		0.287	3.00	1	04/20/2023 00:42	WG2043355
Dimethyl phthalate	U		0.260	3.00	1	04/20/2023 00:42	WG2043355
Di-n-octyl phthalate	U		0.932	3.00	1	04/20/2023 00:42	WG2043355
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/20/2023 00:42	WG2043355
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/20/2023 00:42	WG2043355
2-Chlorophenol	U		0.133	1.00	1	04/20/2023 00:42	WG2043355
2-Methylphenol	U		0.0929	1.00	1	04/20/2023 00:42	WG2043355
3&4-Methyl Phenol	U		0.168	1.00	1	04/20/2023 00:42	WG2043355
2,4-Dichlorophenol	U		0.102	5.00	1	04/20/2023 00:42	WG2043355
2,4-Dimethylphenol	U		0.0636	10.0	1	04/20/2023 00:42	WG2043355
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	04/20/2023 00:42	WG2043355
2,4-Dinitrophenol	U		5.93	10.0	1	04/20/2023 00:42	WG2043355
2-Nitrophenol	U		0.117	10.0	1	04/20/2023 00:42	WG2043355
4-Nitrophenol	U	J4	0.143	10.0	1	04/20/2023 00:42	WG2043355
Pentachlorophenol	U		0.313	1.00	1	04/20/2023 00:42	WG2043355
Phenol	U		4.33	10.0	1	04/20/2023 00:42	WG2043355
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/20/2023 00:42	WG2043355
2,4,6-Trichlorophenol	U	J4	0.100	1.00	1	04/20/2023 00:42	WG2043355
(S) 2-Fluorophenol	*17.9*			*10.0-120*		*04/20/2023 00:42*	WG2043355
(S) Phenol-d5	*11.1*			*10.0-120*		*04/20/2023 00:42*	WG2043355
(S) Nitrobenzene-d5	*33.1*			*10.0-127*		*04/20/2023 00:42*	WG2043355
(S) 2-Fluorobiphenyl	*31.5*			*10.0-130*		*04/20/2023 00:42*	WG2043355
(S) 2,4,6-Tribromophenol	*32.2*			*10.0-155*		*04/20/2023 00:42*	WG2043355
(S) p-Terphenyl-d14	*41.4*			*10.0-128*		*04/20/2023 00:42*	WG2043355

Sample Narrative:

L1605860-03 WG2043355: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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	04/18/2023 11:32	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 11:32	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 11:32	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 11:32	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 11:32	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 11:32	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 11:32	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 11:32	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 11:32	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 11:32	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 11:32	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 11:32	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 11:32	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 11:32	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 11:32	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 11:32	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 11:32	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 11:32	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 11:32	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 11:32	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 11:32	WG2043323
(S) Nitrobenzene-d5	*91.5*			*31.0-160*		*04/18/2023 11:32*	WG2043323

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	*97.5*			*48.0-148*		*04/18/2023 11:32*	WG2043323
(S) p-Terphenyl-d14	*98.5*			*37.0-146*		*04/18/2023 11:32*	WG2043323

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	04/20/2023 21:13	WG2043048

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	04/18/2023 14:37	WG2043131
Acetone	U		11.3	25.0	1	04/17/2023 18:02	WG2043269
Acrylonitrile	U		0.671	5.00	1	04/17/2023 18:02	WG2043269
Benzene	U		0.0941	0.500	1	04/17/2023 18:02	WG2043269
Bromobenzene	U		0.118	0.500	1	04/17/2023 18:02	WG2043269
Bromodichloromethane	U		0.136	0.500	1	04/17/2023 18:02	WG2043269
Bromochloromethane	U		0.128	0.500	1	04/17/2023 18:02	WG2043269
Bromoform	U		0.129	0.500	1	04/17/2023 18:02	WG2043269
Bromomethane	U		0.605	2.50	1	04/17/2023 18:02	WG2043269
n-Butylbenzene	U		0.157	0.500	1	04/17/2023 18:02	WG2043269
sec-Butylbenzene	U		0.125	0.500	1	04/17/2023 18:02	WG2043269
tert-Butylbenzene	U		0.127	0.500	1	04/17/2023 18:02	WG2043269
Carbon disulfide	1.11		0.0962	0.500	1	04/17/2023 18:02	WG2043269
Carbon tetrachloride	U		0.128	0.500	1	04/17/2023 18:02	WG2043269
Chlorobenzene	U		0.117	0.500	1	04/17/2023 18:02	WG2043269
Chlorodibromomethane	U		0.140	0.500	1	04/17/2023 18:02	WG2043269
Chloroethane	U		0.192	2.50	1	04/17/2023 18:02	WG2043269
2-Chloroethyl vinyl ether	U		0.575	50.0	1	04/17/2023 18:02	WG2043269
Chloroform	U		0.111	0.500	1	04/17/2023 18:02	WG2043269
Chloromethane	U		0.960	1.25	1	04/17/2023 18:02	WG2043269
2-Chlorotoluene	U		0.106	0.500	1	04/17/2023 18:02	WG2043269
4-Chlorotoluene	U		0.114	0.500	1	04/17/2023 18:02	WG2043269
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/17/2023 18:02	WG2043269
1,2-Dibromoethane	U		0.126	0.500	1	04/17/2023 18:02	WG2043269
Dibromomethane	U		0.122	0.500	1	04/17/2023 18:02	WG2043269
1,2-Dichlorobenzene	U		0.107	0.500	1	04/17/2023 18:02	WG2043269
1,3-Dichlorobenzene	U		0.299	0.500	1	04/17/2023 18:02	WG2043269
1,4-Dichlorobenzene	U		0.120	0.500	1	04/17/2023 18:02	WG2043269
Dichlorodifluoromethane	U		0.374	2.50	1	04/17/2023 18:02	WG2043269
1,1-Dichloroethane	U		0.100	0.500	1	04/17/2023 18:02	WG2043269
1,2-Dichloroethane	U		0.0819	0.500	1	04/17/2023 18:02	WG2043269
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2023 18:02	WG2043269
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/17/2023 18:02	WG2043269
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/17/2023 18:02	WG2043269
1,2-Dichloropropane	U		0.149	0.500	1	04/17/2023 18:02	WG2043269
1,1-Dichloropropene	U		0.142	0.500	1	04/17/2023 18:02	WG2043269
1,3-Dichloropropane	U		0.109	1.00	1	04/17/2023 18:02	WG2043269
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/17/2023 18:02	WG2043269
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/17/2023 18:02	WG2043269
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/17/2023 18:02	WG2043269
2,2-Dichloropropane	U		0.161	0.500	1	04/17/2023 18:02	WG2043269
Di-isopropyl ether	U		0.105	0.500	1	04/17/2023 18:02	WG2043269
Ethylbenzene	U		0.137	0.500	1	04/17/2023 18:02	WG2043269
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/17/2023 18:02	WG2043269
2-Hexanone	U		0.787	5.00	1	04/17/2023 18:02	WG2043269
n-Hexane	U		0.749	5.00	1	04/17/2023 18:02	WG2043269
Iodomethane	U		0.554	5.00	1	04/17/2023 18:02	WG2043269
Isopropylbenzene	U		0.105	0.500	1	04/17/2023 18:02	WG2043269
p-Isopropyltoluene	U		0.120	0.500	1	04/17/2023 18:02	WG2043269
2-Butanone (MEK)	U		1.19	5.00	1	04/17/2023 18:02	WG2043269

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	04/17/2023 18:02	WG2043269
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/17/2023 18:02	WG2043269
Methyl tert-butyl ether	U		0.101	0.500	1	04/17/2023 18:02	WG2043269
Naphthalene	U	C3	0.174	2.50	1	04/17/2023 18:02	WG2043269
n-Propylbenzene	U		0.0993	0.500	1	04/17/2023 18:02	WG2043269
Styrene	U		0.118	0.500	1	04/17/2023 18:02	WG2043269
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/17/2023 18:02	WG2043269
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/17/2023 18:02	WG2043269
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/17/2023 18:02	WG2043269
Tetrachloroethene	U		0.300	0.500	1	04/17/2023 18:02	WG2043269
Toluene	U		0.278	0.500	1	04/17/2023 18:02	WG2043269
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2023 18:02	WG2043269
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/17/2023 18:02	WG2043269
1,1,1-Trichloroethane	U		0.149	0.500	1	04/17/2023 18:02	WG2043269
1,1,2-Trichloroethane	U		0.158	0.500	1	04/17/2023 18:02	WG2043269
Trichloroethene	U		0.190	0.500	1	04/17/2023 18:02	WG2043269
Trichlorofluoromethane	U		0.160	2.50	1	04/17/2023 18:02	WG2043269
1,2,3-Trichloropropane	U		0.237	2.50	1	04/17/2023 18:02	WG2043269
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/17/2023 18:02	WG2043269
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/17/2023 18:02	WG2043269
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/17/2023 18:02	WG2043269
Vinyl acetate	U		0.692	5.00	1	04/17/2023 18:02	WG2043269
Vinyl chloride	U		0.234	0.500	1	04/17/2023 18:02	WG2043269
Xylenes, Total	U		0.174	1.50	1	04/17/2023 18:02	WG2043269
(S) Toluene-d8	*106*			*80.0-120*		*04/17/2023 18:02*	WG2043269
(S) 4-Bromofluorobenzene	*95.0*			*77.0-126*		*04/17/2023 18:02*	WG2043269
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*04/17/2023 18:02*	WG2043269

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	04/19/2023 20:46	WG2043676
Atrazine	U		0.255	10.0	1	04/19/2023 20:46	WG2043676
Benzaldehyde	U	J4	1.69	10.0	1	04/19/2023 20:46	WG2043676
Biphenyl	U		0.790	10.0	1	04/19/2023 20:46	WG2043676
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/19/2023 20:46	WG2043676
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/19/2023 20:46	WG2043676
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/19/2023 20:46	WG2043676
4-Bromophenyl-phenylether	U		0.0877	10.0	1	04/19/2023 20:46	WG2043676
Caprolactam	U		0.309	10.0	1	04/19/2023 20:46	WG2043676
Carbazole	U		0.111	10.0	1	04/19/2023 20:46	WG2043676
4-Chloroaniline	U		0.234	5.00	1	04/19/2023 20:46	WG2043676
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/19/2023 20:46	WG2043676
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/19/2023 20:46	WG2043676
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/19/2023 20:46	WG2043676
2,6-Dinitrotoluene	U		0.250	5.00	1	04/19/2023 20:46	WG2043676
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/19/2023 20:46	WG2043676
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/19/2023 20:46	WG2043676
Hexachloroethane	U		0.127	5.00	1	04/19/2023 20:46	WG2043676
Isophorone	U		0.143	10.0	1	04/19/2023 20:46	WG2043676
2-Nitroaniline	U		0.102	10.0	1	04/19/2023 20:46	WG2043676
3-Nitroaniline	U		0.0869	5.00	1	04/19/2023 20:46	WG2043676
4-Nitroaniline	U		0.0910	5.00	1	04/19/2023 20:46	WG2043676
Nitrobenzene	U		0.297	10.0	1	04/19/2023 20:46	WG2043676
n-Nitrosodiphenylamine	U		2.37	10.0	1	04/19/2023 20:46	WG2043676
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/19/2023 20:46	WG2043676

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	J4	0.765	3.00	1	04/19/2023 20:46	WG2043676
Bis(2-ethylhexyl)phthalate	U	J4	0.895	3.00	1	04/19/2023 20:46	WG2043676
Di-n-butyl phthalate	U		0.453	3.00	1	04/19/2023 20:46	WG2043676
Diethyl phthalate	U		0.287	3.00	1	04/19/2023 20:46	WG2043676
Dimethyl phthalate	U		0.260	3.00	1	04/19/2023 20:46	WG2043676
Di-n-octyl phthalate	U	J4	0.932	3.00	1	04/19/2023 20:46	WG2043676
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/19/2023 20:46	WG2043676
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/19/2023 20:46	WG2043676
2-Chlorophenol	U		0.133	1.00	1	04/19/2023 20:46	WG2043676
2-Methylphenol	U		0.0929	1.00	1	04/19/2023 20:46	WG2043676
3&4-Methyl Phenol	U		0.168	1.00	1	04/19/2023 20:46	WG2043676
2,4-Dichlorophenol	U		0.102	5.00	1	04/19/2023 20:46	WG2043676
2,4-Dimethylphenol	U		0.0636	10.0	1	04/19/2023 20:46	WG2043676
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	04/19/2023 20:46	WG2043676
2,4-Dinitrophenol	U		5.93	10.0	1	04/19/2023 20:46	WG2043676
2-Nitrophenol	U		0.117	10.0	1	04/19/2023 20:46	WG2043676
4-Nitrophenol	U		0.143	10.0	1	04/19/2023 20:46	WG2043676
Pentachlorophenol	U		0.313	1.00	1	04/19/2023 20:46	WG2043676
Phenol	U		4.33	10.0	1	04/19/2023 20:46	WG2043676
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/19/2023 20:46	WG2043676
2,4,6-Trichlorophenol	U		0.100	1.00	1	04/19/2023 20:46	WG2043676
(S) 2-Fluorophenol	*34.2*			*10.0-120*		*04/19/2023 20:46*	WG2043676
(S) Phenol-d5	*19.0*			*10.0-120*		*04/19/2023 20:46*	WG2043676
(S) Nitrobenzene-d5	*61.7*			*10.0-127*		*04/19/2023 20:46*	WG2043676
(S) 2-Fluorobiphenyl	*66.1*			*10.0-130*		*04/19/2023 20:46*	WG2043676
(S) 2,4,6-Tribromophenol	*59.0*			*10.0-155*		*04/19/2023 20:46*	WG2043676
(S) p-Terphenyl-d14	*74.3*			*10.0-128*		*04/19/2023 20:46*	WG2043676

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	04/18/2023 11:49	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 11:49	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 11:49	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 11:49	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 11:49	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 11:49	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 11:49	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 11:49	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 11:49	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 11:49	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 11:49	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 11:49	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 11:49	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 11:49	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 11:49	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 11:49	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 11:49	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 11:49	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 11:49	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 11:49	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 11:49	WG2043323
(S) Nitrobenzene-d5	*92.0*			*31.0-160*		*04/18/2023 11:49*	WG2043323
(S) 2-Fluorobiphenyl	*98.5*			*48.0-148*		*04/18/2023 11:49*	WG2043323
(S) p-Terphenyl-d14	*98.5*			*37.0-146*		*04/18/2023 11:49*	WG2043323

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	04/20/2023 21:16	WG2043048

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	04/18/2023 15:01	WG2043131
Acetone	U		11.3	25.0	1	04/18/2023 16:01	WG2043904
Acrylonitrile	U		0.671	5.00	1	04/18/2023 16:01	WG2043904
Benzene	U		0.0941	0.500	1	04/18/2023 16:01	WG2043904
Bromobenzene	U		0.118	0.500	1	04/18/2023 16:01	WG2043904
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 16:01	WG2043904
Bromochloromethane	U		0.128	0.500	1	04/18/2023 16:01	WG2043904
Bromoform	U		0.129	0.500	1	04/18/2023 16:01	WG2043904
Bromomethane	U		0.605	2.50	1	04/18/2023 16:01	WG2043904
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 16:01	WG2043904
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 16:01	WG2043904
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 16:01	WG2043904
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 16:01	WG2043904
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 16:01	WG2043904
Chlorobenzene	U		0.117	0.500	1	04/18/2023 16:01	WG2043904
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 16:01	WG2043904
Chloroethane	U		0.192	2.50	1	04/18/2023 16:01	WG2043904
2-Chloroethyl vinyl ether	U		0.575	50.0	1	04/18/2023 16:01	WG2043904
Chloroform	U		0.111	0.500	1	04/18/2023 16:01	WG2043904
Chloromethane	U		0.960	1.25	1	04/18/2023 16:01	WG2043904
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 16:01	WG2043904
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 16:01	WG2043904
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 16:01	WG2043904
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 16:01	WG2043904
Dibromomethane	U		0.122	0.500	1	04/18/2023 16:01	WG2043904
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 16:01	WG2043904
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 16:01	WG2043904
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 16:01	WG2043904
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 16:01	WG2043904
1,1-Dichloroethane	U		0.100	0.500	1	04/18/2023 16:01	WG2043904
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 16:01	WG2043904
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 16:01	WG2043904
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/18/2023 16:01	WG2043904
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 16:01	WG2043904
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 16:01	WG2043904
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 16:01	WG2043904
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 16:01	WG2043904
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 16:01	WG2043904
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 16:01	WG2043904
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 16:01	WG2043904
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 16:01	WG2043904
Di-isopropyl ether	U		0.105	0.500	1	04/18/2023 16:01	WG2043904
Ethylbenzene	U		0.137	0.500	1	04/18/2023 16:01	WG2043904
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/18/2023 16:01	WG2043904
2-Hexanone	U		0.787	5.00	1	04/18/2023 16:01	WG2043904
n-Hexane	U		0.749	5.00	1	04/18/2023 16:01	WG2043904
Iodomethane	U		0.554	5.00	1	04/18/2023 16:01	WG2043904
Isopropylbenzene	U	J4	0.105	0.500	1	04/18/2023 16:01	WG2043904
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 16:01	WG2043904
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 16:01	WG2043904

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	04/18/2023 16:01	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 16:01	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 16:01	WG2043904
Naphthalene	U	C3	0.174	2.50	1	04/20/2023 22:03	WG2045669
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 16:01	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 16:01	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 16:01	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 16:01	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 16:01	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 16:01	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 16:01	WG2043904
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2023 16:01	WG2043904
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2023 16:01	WG2043904
1,1,1-Trichloroethane	U		0.149	0.500	1	04/18/2023 16:01	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 16:01	WG2043904
Trichloroethene	U		0.190	0.500	1	04/18/2023 16:01	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 16:01	WG2043904
1,2,3-Trichloropropane	U	J3	0.237	2.50	1	04/18/2023 16:01	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/20/2023 22:03	WG2045669
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/20/2023 22:03	WG2045669
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/20/2023 22:03	WG2045669
Vinyl acetate	U		0.692	5.00	1	04/18/2023 16:01	WG2043904
Vinyl chloride	U	J4	0.234	0.500	1	04/18/2023 16:01	WG2043904
Xylenes, Total	U		0.174	1.50	1	04/20/2023 22:03	WG2045669
(S) Toluene-d8	*101*			*80.0-120*		*04/18/2023 16:01*	WG2043904
(S) Toluene-d8	*107*			*80.0-120*		*04/20/2023 22:03*	WG2045669
(S) 4-Bromofluorobenzene	*89.1*			*77.0-126*		*04/18/2023 16:01*	WG2043904
(S) 4-Bromofluorobenzene	*95.1*			*77.0-126*		*04/20/2023 22:03*	WG2045669
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*04/18/2023 16:01*	WG2043904
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/20/2023 22:03*	WG2045669

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	0.193	B J	0.0447	0.400	1	04/17/2023 13:45	WG2042500
(S) Nitrobenzene-d5	*59.0*			*10.0-120*		*04/17/2023 13:45*	WG2042500

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	04/19/2023 21:08	WG2043676
Atrazine	U		0.255	10.0	1	04/19/2023 21:08	WG2043676
Benzaldehyde	U	J4	1.69	10.0	1	04/19/2023 21:08	WG2043676
Biphenyl	U		0.790	10.0	1	04/19/2023 21:08	WG2043676
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/19/2023 21:08	WG2043676
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/19/2023 21:08	WG2043676
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/19/2023 21:08	WG2043676
4-Bromophenyl-phenylether	U		0.0877	10.0	1	04/19/2023 21:08	WG2043676
Caprolactam	U		0.309	10.0	1	04/19/2023 21:08	WG2043676
Carbazole	U		0.111	10.0	1	04/19/2023 21:08	WG2043676
4-Chloroaniline	U		0.234	5.00	1	04/19/2023 21:08	WG2043676
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/19/2023 21:08	WG2043676
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/19/2023 21:08	WG2043676
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/19/2023 21:08	WG2043676
2,6-Dinitrotoluene	U		0.250	5.00	1	04/19/2023 21:08	WG2043676

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	
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/19/2023 21:08	WG2043676
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/19/2023 21:08	WG2043676
Hexachloroethane	U		0.127	5.00	1	04/19/2023 21:08	WG2043676
Isophorone	U		0.143	10.0	1	04/19/2023 21:08	WG2043676
2-Nitroaniline	U		0.102	10.0	1	04/19/2023 21:08	WG2043676
3-Nitroaniline	U		0.0869	5.00	1	04/19/2023 21:08	WG2043676
4-Nitroaniline	U		0.0910	5.00	1	04/19/2023 21:08	WG2043676
Nitrobenzene	U		0.297	10.0	1	04/19/2023 21:08	WG2043676
n-Nitrosodiphenylamine	U		2.37	10.0	1	04/19/2023 21:08	WG2043676
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/19/2023 21:08	WG2043676
Benzylbutyl phthalate	U	J4	0.765	3.00	1	04/19/2023 21:08	WG2043676
Bis(2-ethylhexyl)phthalate	U	J4	0.895	3.00	1	04/19/2023 21:08	WG2043676
Di-n-butyl phthalate	U		0.453	3.00	1	04/19/2023 21:08	WG2043676
Diethyl phthalate	U		0.287	3.00	1	04/19/2023 21:08	WG2043676
Dimethyl phthalate	U		0.260	3.00	1	04/19/2023 21:08	WG2043676
Di-n-octyl phthalate	U	J4	0.932	3.00	1	04/19/2023 21:08	WG2043676
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/19/2023 21:08	WG2043676
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/19/2023 21:08	WG2043676
2-Chlorophenol	U		0.133	1.00	1	04/19/2023 21:08	WG2043676
2-Methylphenol	U		0.0929	1.00	1	04/19/2023 21:08	WG2043676
3&4-Methyl Phenol	U		0.168	1.00	1	04/19/2023 21:08	WG2043676
2,4-Dichlorophenol	U		0.102	5.00	1	04/19/2023 21:08	WG2043676
2,4-Dimethylphenol	U		0.0636	10.0	1	04/19/2023 21:08	WG2043676
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	04/19/2023 21:08	WG2043676
2,4-Dinitrophenol	U		5.93	10.0	1	04/19/2023 21:08	WG2043676
2-Nitrophenol	U		0.117	10.0	1	04/19/2023 21:08	WG2043676
4-Nitrophenol	U		0.143	10.0	1	04/19/2023 21:08	WG2043676
Pentachlorophenol	U		0.313	1.00	1	04/19/2023 21:08	WG2043676
Phenol	U		4.33	10.0	1	04/19/2023 21:08	WG2043676
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/19/2023 21:08	WG2043676
2,4,6-Trichlorophenol	U		0.100	1.00	1	04/19/2023 21:08	WG2043676
(S) 2-Fluorophenol	*29.6*			*10.0-120*		*04/19/2023 21:08*	WG2043676
(S) Phenol-d5	*17.6*			*10.0-120*		*04/19/2023 21:08*	WG2043676
(S) Nitrobenzene-d5	*60.1*			*10.0-127*		*04/19/2023 21:08*	WG2043676
(S) 2-Fluorobiphenyl	*66.8*			*10.0-130*		*04/19/2023 21:08*	WG2043676
(S) 2,4,6-Tribromophenol	*57.4*			*10.0-155*		*04/19/2023 21:08*	WG2043676
(S) p-Terphenyl-d14	*60.6*			*10.0-128*		*04/19/2023 21:08*	WG2043676

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	04/18/2023 12:06	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 12:06	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 12:06	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 12:06	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 12:06	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 12:06	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 12:06	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 12:06	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 12:06	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 12:06	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 12:06	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 12:06	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 12:06	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 12:06	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 12:06	WG2043323

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	
Naphthalene	U		0.0917	0.250	1	04/18/2023 12:06	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 12:06	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 12:06	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 12:06	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 12:06	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 12:06	WG2043323
(S) Nitrobenzene-d5	*90.0*			*31.0-160*		*04/18/2023 12:06*	WG2043323
(S) 2-Fluorobiphenyl	*96.5*			*48.0-148*		*04/18/2023 12:06*	WG2043323
(S) p-Terphenyl-d14	*96.0*			*37.0-146*		*04/18/2023 12:06*	WG2043323

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	04/20/2023 21:26	WG2043048

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	04/18/2023 15:25	WG2043131
Acetone	U		11.3	25.0	1	04/18/2023 16:23	WG2043904
Acrylonitrile	U		0.671	5.00	1	04/18/2023 16:23	WG2043904
Benzene	U		0.0941	0.500	1	04/18/2023 16:23	WG2043904
Bromobenzene	U		0.118	0.500	1	04/18/2023 16:23	WG2043904
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 16:23	WG2043904
Bromochloromethane	U		0.128	0.500	1	04/18/2023 16:23	WG2043904
Bromoform	U		0.129	0.500	1	04/18/2023 16:23	WG2043904
Bromomethane	U		0.605	2.50	1	04/18/2023 16:23	WG2043904
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 16:23	WG2043904
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 16:23	WG2043904
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 16:23	WG2043904
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 16:23	WG2043904
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 16:23	WG2043904
Chlorobenzene	U		0.117	0.500	1	04/18/2023 16:23	WG2043904
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 16:23	WG2043904
Chloroethane	U		0.192	2.50	1	04/18/2023 16:23	WG2043904
2-Chloroethyl vinyl ether	U		0.575	50.0	1	04/18/2023 16:23	WG2043904
Chloroform	0.301	J	0.111	0.500	1	04/18/2023 16:23	WG2043904
Chloromethane	U		0.960	1.25	1	04/18/2023 16:23	WG2043904
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 16:23	WG2043904
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 16:23	WG2043904
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 16:23	WG2043904
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 16:23	WG2043904
Dibromomethane	U		0.122	0.500	1	04/18/2023 16:23	WG2043904
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 16:23	WG2043904
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 16:23	WG2043904
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 16:23	WG2043904
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 16:23	WG2043904
1,1-Dichloroethane	0.138	J	0.100	0.500	1	04/18/2023 16:23	WG2043904
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 16:23	WG2043904
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 16:23	WG2043904
cis-1,2-Dichloroethene	1.48		0.126	0.500	1	04/18/2023 16:23	WG2043904
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 16:23	WG2043904
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 16:23	WG2043904
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 16:23	WG2043904
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 16:23	WG2043904
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 16:23	WG2043904
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 16:23	WG2043904
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 16:23	WG2043904
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 16:23	WG2043904
Di-isopropyl ether	0.163	J	0.105	0.500	1	04/18/2023 16:23	WG2043904
Ethylbenzene	U		0.137	0.500	1	04/18/2023 16:23	WG2043904
Hexachloro-1,3-butadiene	2.03		0.337	1.00	1	04/18/2023 16:23	WG2043904
2-Hexanone	U		0.787	5.00	1	04/18/2023 16:23	WG2043904
n-Hexane	U		0.749	5.00	1	04/18/2023 16:23	WG2043904
Iodomethane	U		0.554	5.00	1	04/18/2023 16:23	WG2043904
Isopropylbenzene	U	J4	0.105	0.500	1	04/18/2023 16:23	WG2043904
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 16:23	WG2043904
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 16:23	WG2043904

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	04/18/2023 16:23	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 16:23	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 16:23	WG2043904
Naphthalene	U	C3	0.174	2.50	1	04/18/2023 16:23	WG2043904
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 16:23	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 16:23	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 16:23	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 16:23	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 16:23	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 16:23	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 16:23	WG2043904
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2023 16:23	WG2043904
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2023 16:23	WG2043904
1,1,1-Trichloroethane	U		0.149	0.500	1	04/18/2023 16:23	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 16:23	WG2043904
Trichloroethene	8.56		0.190	0.500	1	04/18/2023 16:23	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 16:23	WG2043904
1,2,3-Trichloropropane	U	J3	0.237	2.50	1	04/18/2023 16:23	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/18/2023 16:23	WG2043904
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 16:23	WG2043904
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 16:23	WG2043904
Vinyl acetate	U		0.692	5.00	1	04/18/2023 16:23	WG2043904
Vinyl chloride	U	J4	0.234	0.500	1	04/18/2023 16:23	WG2043904
Xylenes, Total	0.484	J	0.174	1.50	1	04/18/2023 16:23	WG2043904
(S) Toluene-d8	*101*			*80.0-120*		*04/18/2023 16:23*	WG2043904
(S) 4-Bromofluorobenzene	*92.6*			*77.0-126*		*04/18/2023 16:23*	WG2043904
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/18/2023 16:23*	WG2043904

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	6.35		0.0447	0.400	1	04/17/2023 11:29	WG2042500
(S) Nitrobenzene-d5	*55.4*			*10.0-120*		*04/17/2023 11:29*	WG2042500

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	04/19/2023 21:29	WG2043676
Atrazine	U		0.255	10.0	1	04/19/2023 21:29	WG2043676
Benzaldehyde	U	J4	1.69	10.0	1	04/19/2023 21:29	WG2043676
Biphenyl	U		0.790	10.0	1	04/19/2023 21:29	WG2043676
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/19/2023 21:29	WG2043676
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/19/2023 21:29	WG2043676
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/19/2023 21:29	WG2043676
4-Bromophenyl-phenylether	U		0.0877	10.0	1	04/19/2023 21:29	WG2043676
Caprolactam	U		0.309	10.0	1	04/19/2023 21:29	WG2043676
Carbazole	U		0.111	10.0	1	04/19/2023 21:29	WG2043676
4-Chloroaniline	U		0.234	5.00	1	04/19/2023 21:29	WG2043676
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/19/2023 21:29	WG2043676
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/19/2023 21:29	WG2043676
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/19/2023 21:29	WG2043676
2,6-Dinitrotoluene	U		0.250	5.00	1	04/19/2023 21:29	WG2043676
Hexachloro-1,3-butadiene	0.866	J	0.0968	10.0	1	04/19/2023 21:29	WG2043676
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/19/2023 21:29	WG2043676
Hexachloroethane	U		0.127	5.00	1	04/19/2023 21:29	WG2043676

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	04/19/2023 21:29	WG2043676
2-Nitroaniline	U		0.102	10.0	1	04/19/2023 21:29	WG2043676
3-Nitroaniline	U		0.0869	5.00	1	04/19/2023 21:29	WG2043676
4-Nitroaniline	U		0.0910	5.00	1	04/19/2023 21:29	WG2043676
Nitrobenzene	U		0.297	10.0	1	04/19/2023 21:29	WG2043676
n-Nitrosodiphenylamine	U		2.37	10.0	1	04/19/2023 21:29	WG2043676
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/19/2023 21:29	WG2043676
Benzylbutyl phthalate	U	J4	0.765	3.00	1	04/19/2023 21:29	WG2043676
Bis(2-ethylhexyl)phthalate	U	J4	0.895	3.00	1	04/19/2023 21:29	WG2043676
Di-n-butyl phthalate	U		0.453	3.00	1	04/19/2023 21:29	WG2043676
Diethyl phthalate	U		0.287	3.00	1	04/19/2023 21:29	WG2043676
Dimethyl phthalate	U		0.260	3.00	1	04/19/2023 21:29	WG2043676
Di-n-octyl phthalate	U	J4	0.932	3.00	1	04/19/2023 21:29	WG2043676
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/19/2023 21:29	WG2043676
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/19/2023 21:29	WG2043676
2-Chlorophenol	U		0.133	1.00	1	04/19/2023 21:29	WG2043676
2-Methylphenol	U		0.0929	1.00	1	04/19/2023 21:29	WG2043676
3&4-Methyl Phenol	U		0.168	1.00	1	04/19/2023 21:29	WG2043676
2,4-Dichlorophenol	U		0.102	5.00	1	04/19/2023 21:29	WG2043676
2,4-Dimethylphenol	U		0.0636	10.0	1	04/19/2023 21:29	WG2043676
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	04/19/2023 21:29	WG2043676
2,4-Dinitrophenol	U		5.93	10.0	1	04/19/2023 21:29	WG2043676
2-Nitrophenol	U		0.117	10.0	1	04/19/2023 21:29	WG2043676
4-Nitrophenol	U		0.143	10.0	1	04/19/2023 21:29	WG2043676
Pentachlorophenol	U		0.313	1.00	1	04/19/2023 21:29	WG2043676
Phenol	U		4.33	10.0	1	04/19/2023 21:29	WG2043676
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/19/2023 21:29	WG2043676
2,4,6-Trichlorophenol	U		0.100	1.00	1	04/19/2023 21:29	WG2043676
(S) 2-Fluorophenol	*27.6*			*10.0-120*		*04/19/2023 21:29*	WG2043676
(S) Phenol-d5	*17.8*			*10.0-120*		*04/19/2023 21:29*	WG2043676
(S) Nitrobenzene-d5	*65.5*			*10.0-127*		*04/19/2023 21:29*	WG2043676
(S) 2-Fluorobiphenyl	*67.7*			*10.0-130*		*04/19/2023 21:29*	WG2043676
(S) 2,4,6-Tribromophenol	*40.7*			*10.0-155*		*04/19/2023 21:29*	WG2043676
(S) p-Terphenyl-d14	*49.9*			*10.0-128*		*04/19/2023 21:29*	WG2043676

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	04/18/2023 12:24	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 12:24	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 12:24	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 12:24	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 12:24	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 12:24	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 12:24	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 12:24	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 12:24	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 12:24	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 12:24	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 12:24	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 12:24	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 12:24	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 12:24	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 12:24	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 12:24	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 12:24	WG2043323

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	04/18/2023 12:24	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 12:24	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 12:24	WG2043323
(S) Nitrobenzene-d5	*90.0*			*31.0-160*		*04/18/2023 12:24*	WG2043323
(S) 2-Fluorobiphenyl	*95.5*			*48.0-148*		*04/18/2023 12:24*	WG2043323
(S) p-Terphenyl-d14	*96.5*			*37.0-146*		*04/18/2023 12:24*	WG2043323

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	04/20/2023 21:29	WG2043048

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	04/18/2023 15:49	WG2043131
Acetone	U		11.3	25.0	1	04/18/2023 16:45	WG2043904
Acrylonitrile	U		0.671	5.00	1	04/18/2023 16:45	WG2043904
Benzene	U		0.0941	0.500	1	04/18/2023 16:45	WG2043904
Bromobenzene	U		0.118	0.500	1	04/18/2023 16:45	WG2043904
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 16:45	WG2043904
Bromochloromethane	U		0.128	0.500	1	04/18/2023 16:45	WG2043904
Bromoform	U		0.129	0.500	1	04/18/2023 16:45	WG2043904
Bromomethane	U		0.605	2.50	1	04/18/2023 16:45	WG2043904
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 16:45	WG2043904
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 16:45	WG2043904
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 16:45	WG2043904
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 16:45	WG2043904
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 16:45	WG2043904
Chlorobenzene	U		0.117	0.500	1	04/18/2023 16:45	WG2043904
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 16:45	WG2043904
Chloroethane	U		0.192	2.50	1	04/18/2023 16:45	WG2043904
2-Chloroethyl vinyl ether	U		0.575	50.0	1	04/18/2023 16:45	WG2043904
Chloroform	U		0.111	0.500	1	04/18/2023 16:45	WG2043904
Chloromethane	U		0.960	1.25	1	04/18/2023 16:45	WG2043904
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 16:45	WG2043904
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 16:45	WG2043904
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 16:45	WG2043904
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 16:45	WG2043904
Dibromomethane	U		0.122	0.500	1	04/18/2023 16:45	WG2043904
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 16:45	WG2043904
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 16:45	WG2043904
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 16:45	WG2043904
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 16:45	WG2043904
1,1-Dichloroethane	U		0.100	0.500	1	04/18/2023 16:45	WG2043904
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 16:45	WG2043904
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 16:45	WG2043904
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/18/2023 16:45	WG2043904
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 16:45	WG2043904
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 16:45	WG2043904
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 16:45	WG2043904
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 16:45	WG2043904
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 16:45	WG2043904
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 16:45	WG2043904
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 16:45	WG2043904
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 16:45	WG2043904
Di-isopropyl ether	U		0.105	0.500	1	04/18/2023 16:45	WG2043904
Ethylbenzene	U		0.137	0.500	1	04/18/2023 16:45	WG2043904
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/18/2023 16:45	WG2043904
2-Hexanone	U		0.787	5.00	1	04/18/2023 16:45	WG2043904
n-Hexane	U		0.749	5.00	1	04/18/2023 16:45	WG2043904
Iodomethane	U		0.554	5.00	1	04/18/2023 16:45	WG2043904
Isopropylbenzene	U	J4	0.105	0.500	1	04/18/2023 16:45	WG2043904
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 16:45	WG2043904
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 16:45	WG2043904

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	04/18/2023 16:45	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 16:45	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 16:45	WG2043904
Naphthalene	U	C3	0.174	2.50	1	04/18/2023 16:45	WG2043904
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 16:45	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 16:45	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 16:45	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 16:45	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 16:45	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 16:45	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 16:45	WG2043904
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2023 16:45	WG2043904
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2023 16:45	WG2043904
1,1,1-Trichloroethane	0.156	J	0.149	0.500	1	04/18/2023 16:45	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 16:45	WG2043904
Trichloroethene	U		0.190	0.500	1	04/18/2023 16:45	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 16:45	WG2043904
1,2,3-Trichloropropane	U	J3	0.237	2.50	1	04/18/2023 16:45	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/18/2023 16:45	WG2043904
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 16:45	WG2043904
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 16:45	WG2043904
Vinyl acetate	U		0.692	5.00	1	04/18/2023 16:45	WG2043904
Vinyl chloride	U	J4	0.234	0.500	1	04/18/2023 16:45	WG2043904
Xylenes, Total	0.205	J	0.174	1.50	1	04/18/2023 16:45	WG2043904
(S) Toluene-d8	*98.6*			*80.0-120*		*04/18/2023 16:45*	WG2043904
(S) 4-Bromofluorobenzene	*88.4*			*77.0-126*		*04/18/2023 16:45*	WG2043904
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/18/2023 16:45*	WG2043904

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	04/19/2023 21:51	WG2043676
Atrazine	U		0.255	10.0	1	04/19/2023 21:51	WG2043676
Benzaldehyde	U	J4	1.69	10.0	1	04/19/2023 21:51	WG2043676
Biphenyl	U		0.790	10.0	1	04/19/2023 21:51	WG2043676
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/19/2023 21:51	WG2043676
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/19/2023 21:51	WG2043676
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/19/2023 21:51	WG2043676
4-Bromophenyl-phenylether	U		0.0877	10.0	1	04/19/2023 21:51	WG2043676
Caprolactam	U		0.309	10.0	1	04/19/2023 21:51	WG2043676
Carbazole	U		0.111	10.0	1	04/19/2023 21:51	WG2043676
4-Chloroaniline	U		0.234	5.00	1	04/19/2023 21:51	WG2043676
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/19/2023 21:51	WG2043676
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/19/2023 21:51	WG2043676
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/19/2023 21:51	WG2043676
2,6-Dinitrotoluene	U		0.250	5.00	1	04/19/2023 21:51	WG2043676
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/19/2023 21:51	WG2043676
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/19/2023 21:51	WG2043676
Hexachloroethane	U		0.127	5.00	1	04/19/2023 21:51	WG2043676
Isophorone	U		0.143	10.0	1	04/19/2023 21:51	WG2043676
2-Nitroaniline	U		0.102	10.0	1	04/19/2023 21:51	WG2043676
3-Nitroaniline	U		0.0869	5.00	1	04/19/2023 21:51	WG2043676
4-Nitroaniline	U		0.0910	5.00	1	04/19/2023 21:51	WG2043676
Nitrobenzene	U		0.297	10.0	1	04/19/2023 21:51	WG2043676
n-Nitrosodiphenylamine	U		2.37	10.0	1	04/19/2023 21:51	WG2043676
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/19/2023 21:51	WG2043676

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	J4	0.765	3.00	1	04/19/2023 21:51	WG2043676
Bis(2-ethylhexyl)phthalate	U	J4	0.895	3.00	1	04/19/2023 21:51	WG2043676
Di-n-butyl phthalate	U		0.453	3.00	1	04/19/2023 21:51	WG2043676
Diethyl phthalate	U		0.287	3.00	1	04/19/2023 21:51	WG2043676
Dimethyl phthalate	U		0.260	3.00	1	04/19/2023 21:51	WG2043676
Di-n-octyl phthalate	U	J4	0.932	3.00	1	04/19/2023 21:51	WG2043676
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/19/2023 21:51	WG2043676
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/19/2023 21:51	WG2043676
2-Chlorophenol	U		0.133	1.00	1	04/19/2023 21:51	WG2043676
2-Methylphenol	U		0.0929	1.00	1	04/19/2023 21:51	WG2043676
3&4-Methyl Phenol	U		0.168	1.00	1	04/19/2023 21:51	WG2043676
2,4-Dichlorophenol	U		0.102	5.00	1	04/19/2023 21:51	WG2043676
2,4-Dimethylphenol	U		0.0636	10.0	1	04/19/2023 21:51	WG2043676
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	04/19/2023 21:51	WG2043676
2,4-Dinitrophenol	U		5.93	10.0	1	04/19/2023 21:51	WG2043676
2-Nitrophenol	U		0.117	10.0	1	04/19/2023 21:51	WG2043676
4-Nitrophenol	U		0.143	10.0	1	04/19/2023 21:51	WG2043676
Pentachlorophenol	U		0.313	1.00	1	04/19/2023 21:51	WG2043676
Phenol	U		4.33	10.0	1	04/19/2023 21:51	WG2043676
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/19/2023 21:51	WG2043676
2,4,6-Trichlorophenol	U		0.100	1.00	1	04/19/2023 21:51	WG2043676
(S) 2-Fluorophenol	*33.9*			*10.0-120*		*04/19/2023 21:51*	WG2043676
(S) Phenol-d5	*19.6*			*10.0-120*		*04/19/2023 21:51*	WG2043676
(S) Nitrobenzene-d5	*73.7*			*10.0-127*		*04/19/2023 21:51*	WG2043676
(S) 2-Fluorobiphenyl	*79.5*			*10.0-130*		*04/19/2023 21:51*	WG2043676
(S) 2,4,6-Tribromophenol	*65.4*			*10.0-155*		*04/19/2023 21:51*	WG2043676
(S) p-Terphenyl-d14	*81.1*			*10.0-128*		*04/19/2023 21:51*	WG2043676

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	04/18/2023 12:41	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 12:41	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 12:41	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 12:41	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 12:41	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 12:41	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 12:41	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 12:41	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 12:41	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 12:41	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 12:41	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 12:41	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 12:41	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 12:41	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 12:41	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 12:41	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 12:41	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 12:41	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 12:41	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 12:41	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 12:41	WG2043323
(S) Nitrobenzene-d5	*92.0*			*31.0-160*		*04/18/2023 12:41*	WG2043323
(S) 2-Fluorobiphenyl	*100*			*48.0-148*		*04/18/2023 12:41*	WG2043323
(S) p-Terphenyl-d14	*101*			*37.0-146*		*04/18/2023 12:41*	WG2043323

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	04/20/2023 21:33	WG2043048

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	04/18/2023 16:13	WG2043131
Acetone	U		11.3	25.0	1	04/18/2023 17:06	WG2043904
Acrylonitrile	U		0.671	5.00	1	04/18/2023 17:06	WG2043904
Benzene	U		0.0941	0.500	1	04/18/2023 17:06	WG2043904
Bromobenzene	U		0.118	0.500	1	04/18/2023 17:06	WG2043904
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 17:06	WG2043904
Bromochloromethane	U		0.128	0.500	1	04/18/2023 17:06	WG2043904
Bromoform	U		0.129	0.500	1	04/18/2023 17:06	WG2043904
Bromomethane	U		0.605	2.50	1	04/18/2023 17:06	WG2043904
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 17:06	WG2043904
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 17:06	WG2043904
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 17:06	WG2043904
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 17:06	WG2043904
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 17:06	WG2043904
Chlorobenzene	U		0.117	0.500	1	04/18/2023 17:06	WG2043904
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 17:06	WG2043904
Chloroethane	U		0.192	2.50	1	04/18/2023 17:06	WG2043904
2-Chloroethyl vinyl ether	U		0.575	50.0	1	04/18/2023 17:06	WG2043904
Chloroform	0.118	J	0.111	0.500	1	04/18/2023 17:06	WG2043904
Chloromethane	U		0.960	1.25	1	04/18/2023 17:06	WG2043904
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 17:06	WG2043904
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 17:06	WG2043904
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 17:06	WG2043904
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 17:06	WG2043904
Dibromomethane	U		0.122	0.500	1	04/18/2023 17:06	WG2043904
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 17:06	WG2043904
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 17:06	WG2043904
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 17:06	WG2043904
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 17:06	WG2043904
1,1-Dichloroethane	U		0.100	0.500	1	04/18/2023 17:06	WG2043904
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 17:06	WG2043904
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 17:06	WG2043904
cis-1,2-Dichloroethene	2.03		0.126	0.500	1	04/18/2023 17:06	WG2043904
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 17:06	WG2043904
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 17:06	WG2043904
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 17:06	WG2043904
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 17:06	WG2043904
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 17:06	WG2043904
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 17:06	WG2043904
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 17:06	WG2043904
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 17:06	WG2043904
Di-isopropyl ether	U		0.105	0.500	1	04/18/2023 17:06	WG2043904
Ethylbenzene	U		0.137	0.500	1	04/18/2023 17:06	WG2043904
Hexachloro-1,3-butadiene	1.03		0.337	1.00	1	04/18/2023 17:06	WG2043904
2-Hexanone	U		0.787	5.00	1	04/18/2023 17:06	WG2043904
n-Hexane	U		0.749	5.00	1	04/18/2023 17:06	WG2043904
Iodomethane	U		0.554	5.00	1	04/18/2023 17:06	WG2043904
Isopropylbenzene	U	J4	0.105	0.500	1	04/18/2023 17:06	WG2043904
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 17:06	WG2043904
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 17:06	WG2043904

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	04/18/2023 17:06	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 17:06	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 17:06	WG2043904
Naphthalene	U	C3	0.174	2.50	1	04/18/2023 17:06	WG2043904
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 17:06	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 17:06	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 17:06	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 17:06	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 17:06	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 17:06	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 17:06	WG2043904
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2023 17:06	WG2043904
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2023 17:06	WG2043904
1,1,1-Trichloroethane	U		0.149	0.500	1	04/18/2023 17:06	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 17:06	WG2043904
Trichloroethene	5.55		0.190	0.500	1	04/18/2023 17:06	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 17:06	WG2043904
1,2,3-Trichloropropane	U	J3	0.237	2.50	1	04/18/2023 17:06	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/18/2023 17:06	WG2043904
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 17:06	WG2043904
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 17:06	WG2043904
Vinyl acetate	U		0.692	5.00	1	04/18/2023 17:06	WG2043904
Vinyl chloride	U	J4	0.234	0.500	1	04/18/2023 17:06	WG2043904
Xylenes, Total	U		0.174	1.50	1	04/18/2023 17:06	WG2043904
(S) Toluene-d8	*101*			*80.0-120*		*04/18/2023 17:06*	WG2043904
(S) 4-Bromofluorobenzene	*88.3*			*77.0-126*		*04/18/2023 17:06*	WG2043904
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*04/18/2023 17:06*	WG2043904

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		0.231	11.1	1.11	04/19/2023 22:13	WG2043676
Atrazine	U		0.283	11.1	1.11	04/19/2023 22:13	WG2043676
Benzaldehyde	U	J4	1.88	11.1	1.11	04/19/2023 22:13	WG2043676
Biphenyl	U		0.877	11.1	1.11	04/19/2023 22:13	WG2043676
Bis(2-chlorethoxy)methane	U		0.129	5.55	1.11	04/19/2023 22:13	WG2043676
Bis(2-chloroethyl)ether	U		0.152	1.11	1.11	04/19/2023 22:13	WG2043676
2,2-Oxybis(1-Chloropropane)	U		0.233	5.55	1.11	04/19/2023 22:13	WG2043676
4-Bromophenyl-phenylether	U		0.0973	11.1	1.11	04/19/2023 22:13	WG2043676
Caprolactam	U		0.343	11.1	1.11	04/19/2023 22:13	WG2043676
Carbazole	U		0.123	11.1	1.11	04/19/2023 22:13	WG2043676
4-Chloroaniline	U		0.260	5.55	1.11	04/19/2023 22:13	WG2043676
4-Chlorophenyl-phenylether	U		0.103	11.1	1.11	04/19/2023 22:13	WG2043676
3,3-Dichlorobenzidine	U		0.235	11.1	1.11	04/19/2023 22:13	WG2043676
2,4-Dinitrotoluene	U		0.109	5.55	1.11	04/19/2023 22:13	WG2043676
2,6-Dinitrotoluene	U		0.278	5.55	1.11	04/19/2023 22:13	WG2043676
Hexachloro-1,3-butadiene	0.562	J	0.107	11.1	1.11	04/19/2023 22:13	WG2043676
Hexachlorocyclopentadiene	U		0.0664	5.55	1.11	04/19/2023 22:13	WG2043676
Hexachloroethane	U		0.141	5.55	1.11	04/19/2023 22:13	WG2043676
Isophorone	U		0.159	11.1	1.11	04/19/2023 22:13	WG2043676
2-Nitroaniline	U		0.113	11.1	1.11	04/19/2023 22:13	WG2043676
3-Nitroaniline	U		0.0965	5.55	1.11	04/19/2023 22:13	WG2043676
4-Nitroaniline	U		0.101	5.55	1.11	04/19/2023 22:13	WG2043676
Nitrobenzene	U		0.330	11.1	1.11	04/19/2023 22:13	WG2043676
n-Nitrosodiphenylamine	U		2.63	11.1	1.11	04/19/2023 22:13	WG2043676
n-Nitrosodi-n-propylamine	U		0.290	11.1	1.11	04/19/2023 22:13	WG2043676

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	J4	0.849	3.33	1.11	04/19/2023 22:13	WG2043676
Bis(2-ethylhexyl)phthalate	U	J4	0.993	3.33	1.11	04/19/2023 22:13	WG2043676
Di-n-butyl phthalate	U		0.503	3.33	1.11	04/19/2023 22:13	WG2043676
Diethyl phthalate	U		0.319	3.33	1.11	04/19/2023 22:13	WG2043676
Dimethyl phthalate	U		0.289	3.33	1.11	04/19/2023 22:13	WG2043676
Di-n-octyl phthalate	U	J4	1.03	3.33	1.11	04/19/2023 22:13	WG2043676
1,2,4,5-Tetrachlorobenzene	U		0.0718	11.1	1.11	04/19/2023 22:13	WG2043676
4-Chloro-3-methylphenol	U		0.145	1.11	1.11	04/19/2023 22:13	WG2043676
2-Chlorophenol	U		0.148	1.11	1.11	04/19/2023 22:13	WG2043676
2-Methylphenol	U		0.103	1.11	1.11	04/19/2023 22:13	WG2043676
3&4-Methyl Phenol	U		0.186	1.11	1.11	04/19/2023 22:13	WG2043676
2,4-Dichlorophenol	U		0.113	5.55	1.11	04/19/2023 22:13	WG2043676
2,4-Dimethylphenol	U		0.0706	11.1	1.11	04/19/2023 22:13	WG2043676
4,6-Dinitro-2-methylphenol	U		1.24	11.1	1.11	04/19/2023 22:13	WG2043676
2,4-Dinitrophenol	U		6.58	11.1	1.11	04/19/2023 22:13	WG2043676
2-Nitrophenol	U		0.130	11.1	1.11	04/19/2023 22:13	WG2043676
4-Nitrophenol	U		0.159	11.1	1.11	04/19/2023 22:13	WG2043676
Pentachlorophenol	U		0.347	1.11	1.11	04/19/2023 22:13	WG2043676
Phenol	U		4.81	11.1	1.11	04/19/2023 22:13	WG2043676
2,4,5-Trichlorophenol	U		0.121	1.11	1.11	04/19/2023 22:13	WG2043676
2,4,6-Trichlorophenol	U		0.111	1.11	1.11	04/19/2023 22:13	WG2043676
(S) 2-Fluorophenol	*34.4*			*10.0-120*		*04/19/2023 22:13*	WG2043676
(S) Phenol-d5	*19.9*			*10.0-120*		*04/19/2023 22:13*	WG2043676
(S) Nitrobenzene-d5	*69.9*			*10.0-127*		*04/19/2023 22:13*	WG2043676
(S) 2-Fluorobiphenyl	*76.0*			*10.0-130*		*04/19/2023 22:13*	WG2043676
(S) 2,4,6-Tribromophenol	*62.6*			*10.0-155*		*04/19/2023 22:13*	WG2043676
(S) p-Terphenyl-d14	*68.6*			*10.0-128*		*04/19/2023 22:13*	WG2043676

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	04/18/2023 10:40	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 10:40	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 10:40	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 10:40	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 10:40	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 10:40	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 10:40	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 10:40	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 10:40	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 10:40	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 10:40	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 10:40	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 10:40	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 10:40	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 10:40	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 10:40	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 10:40	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 10:40	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 10:40	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 10:40	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 10:40	WG2043323
(S) Nitrobenzene-d5	*63.0*			*31.0-160*		*04/18/2023 10:40*	WG2043323
(S) 2-Fluorobiphenyl	*103*			*48.0-148*		*04/18/2023 10:40*	WG2043323
(S) p-Terphenyl-d14	*99.5*			*37.0-146*		*04/18/2023 10:40*	WG2043323

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	04/20/2023 21:36	WG2043048

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	04/18/2023 16:37	WG2043131
Acetone	U		11.3	25.0	1	04/18/2023 17:28	WG2043904
Acrylonitrile	U		0.671	5.00	1	04/18/2023 17:28	WG2043904
Benzene	U		0.0941	0.500	1	04/18/2023 17:28	WG2043904
Bromobenzene	U		0.118	0.500	1	04/18/2023 17:28	WG2043904
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 17:28	WG2043904
Bromochloromethane	U		0.128	0.500	1	04/18/2023 17:28	WG2043904
Bromoform	U		0.129	0.500	1	04/18/2023 17:28	WG2043904
Bromomethane	U		0.605	2.50	1	04/18/2023 17:28	WG2043904
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 17:28	WG2043904
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 17:28	WG2043904
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 17:28	WG2043904
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 17:28	WG2043904
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 17:28	WG2043904
Chlorobenzene	U		0.117	0.500	1	04/18/2023 17:28	WG2043904
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 17:28	WG2043904
Chloroethane	U		0.192	2.50	1	04/18/2023 17:28	WG2043904
2-Chloroethyl vinyl ether	U		0.575	50.0	1	04/18/2023 17:28	WG2043904
Chloroform	U		0.111	0.500	1	04/18/2023 17:28	WG2043904
Chloromethane	U		0.960	1.25	1	04/18/2023 17:28	WG2043904
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 17:28	WG2043904
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 17:28	WG2043904
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 17:28	WG2043904
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 17:28	WG2043904
Dibromomethane	U		0.122	0.500	1	04/18/2023 17:28	WG2043904
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 17:28	WG2043904
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 17:28	WG2043904
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 17:28	WG2043904
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 17:28	WG2043904
1,1-Dichloroethane	U		0.100	0.500	1	04/18/2023 17:28	WG2043904
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 17:28	WG2043904
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 17:28	WG2043904
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/18/2023 17:28	WG2043904
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 17:28	WG2043904
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 17:28	WG2043904
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 17:28	WG2043904
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 17:28	WG2043904
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 17:28	WG2043904
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 17:28	WG2043904
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 17:28	WG2043904
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 17:28	WG2043904
Di-isopropyl ether	U		0.105	0.500	1	04/18/2023 17:28	WG2043904
Ethylbenzene	U		0.137	0.500	1	04/18/2023 17:28	WG2043904
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/18/2023 17:28	WG2043904
2-Hexanone	U		0.787	5.00	1	04/18/2023 17:28	WG2043904
n-Hexane	U		0.749	5.00	1	04/18/2023 17:28	WG2043904
Iodomethane	U		0.554	5.00	1	04/18/2023 17:28	WG2043904
Isopropylbenzene	U	J4	0.105	0.500	1	04/18/2023 17:28	WG2043904
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 17:28	WG2043904
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 17:28	WG2043904

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	04/18/2023 17:28	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 17:28	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 17:28	WG2043904
Naphthalene	U	C3	0.174	2.50	1	04/18/2023 17:28	WG2043904
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 17:28	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 17:28	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 17:28	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 17:28	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 17:28	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 17:28	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 17:28	WG2043904
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2023 17:28	WG2043904
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2023 17:28	WG2043904
1,1,1-Trichloroethane	U		0.149	0.500	1	04/18/2023 17:28	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 17:28	WG2043904
Trichloroethene	U		0.190	0.500	1	04/18/2023 17:28	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 17:28	WG2043904
1,2,3-Trichloropropane	U	J3	0.237	2.50	1	04/18/2023 17:28	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/18/2023 17:28	WG2043904
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 17:28	WG2043904
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 17:28	WG2043904
Vinyl acetate	U		0.692	5.00	1	04/18/2023 17:28	WG2043904
Vinyl chloride	U	J4	0.234	0.500	1	04/18/2023 17:28	WG2043904
Xylenes, Total	U		0.174	1.50	1	04/18/2023 17:28	WG2043904
(S) Toluene-d8	*100*			*80.0-120*		*04/18/2023 17:28*	WG2043904
(S) 4-Bromofluorobenzene	*88.8*			*77.0-126*		*04/18/2023 17:28*	WG2043904
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*04/18/2023 17:28*	WG2043904

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	04/19/2023 22:34	WG2043676
Atrazine	U		0.255	10.0	1	04/19/2023 22:34	WG2043676
Benzaldehyde	U	J4	1.69	10.0	1	04/19/2023 22:34	WG2043676
Biphenyl	U		0.790	10.0	1	04/19/2023 22:34	WG2043676
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/19/2023 22:34	WG2043676
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/19/2023 22:34	WG2043676
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/19/2023 22:34	WG2043676
4-Bromophenyl-phenylether	U		0.0877	10.0	1	04/19/2023 22:34	WG2043676
Caprolactam	U		0.309	10.0	1	04/19/2023 22:34	WG2043676
Carbazole	U		0.111	10.0	1	04/19/2023 22:34	WG2043676
4-Chloroaniline	U		0.234	5.00	1	04/19/2023 22:34	WG2043676
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/19/2023 22:34	WG2043676
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/19/2023 22:34	WG2043676
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/19/2023 22:34	WG2043676
2,6-Dinitrotoluene	U		0.250	5.00	1	04/19/2023 22:34	WG2043676
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/19/2023 22:34	WG2043676
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/19/2023 22:34	WG2043676
Hexachloroethane	U		0.127	5.00	1	04/19/2023 22:34	WG2043676
Isophorone	U		0.143	10.0	1	04/19/2023 22:34	WG2043676
2-Nitroaniline	U		0.102	10.0	1	04/19/2023 22:34	WG2043676
3-Nitroaniline	U		0.0869	5.00	1	04/19/2023 22:34	WG2043676
4-Nitroaniline	U		0.0910	5.00	1	04/19/2023 22:34	WG2043676
Nitrobenzene	U		0.297	10.0	1	04/19/2023 22:34	WG2043676
n-Nitrosodiphenylamine	U		2.37	10.0	1	04/19/2023 22:34	WG2043676
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/19/2023 22:34	WG2043676

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	J4	0.765	3.00	1	04/19/2023 22:34	WG2043676
Bis(2-ethylhexyl)phthalate	U	J4	0.895	3.00	1	04/19/2023 22:34	WG2043676
Di-n-butyl phthalate	U		0.453	3.00	1	04/19/2023 22:34	WG2043676
Diethyl phthalate	U		0.287	3.00	1	04/19/2023 22:34	WG2043676
Dimethyl phthalate	U		0.260	3.00	1	04/19/2023 22:34	WG2043676
Di-n-octyl phthalate	U	J4	0.932	3.00	1	04/19/2023 22:34	WG2043676
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/19/2023 22:34	WG2043676
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/19/2023 22:34	WG2043676
2-Chlorophenol	U		0.133	1.00	1	04/19/2023 22:34	WG2043676
2-Methylphenol	U		0.0929	1.00	1	04/19/2023 22:34	WG2043676
3&4-Methyl Phenol	U		0.168	1.00	1	04/19/2023 22:34	WG2043676
2,4-Dichlorophenol	U		0.102	5.00	1	04/19/2023 22:34	WG2043676
2,4-Dimethylphenol	U		0.0636	10.0	1	04/19/2023 22:34	WG2043676
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	04/19/2023 22:34	WG2043676
2,4-Dinitrophenol	U		5.93	10.0	1	04/19/2023 22:34	WG2043676
2-Nitrophenol	U		0.117	10.0	1	04/19/2023 22:34	WG2043676
4-Nitrophenol	U		0.143	10.0	1	04/19/2023 22:34	WG2043676
Pentachlorophenol	U		0.313	1.00	1	04/19/2023 22:34	WG2043676
Phenol	U		4.33	10.0	1	04/19/2023 22:34	WG2043676
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/19/2023 22:34	WG2043676
2,4,6-Trichlorophenol	U		0.100	1.00	1	04/19/2023 22:34	WG2043676
(S) 2-Fluorophenol	*23.9*			*10.0-120*		*04/19/2023 22:34*	WG2043676
(S) Phenol-d5	*15.9*			*10.0-120*		*04/19/2023 22:34*	WG2043676
(S) Nitrobenzene-d5	*57.4*			*10.0-127*		*04/19/2023 22:34*	WG2043676
(S) 2-Fluorobiphenyl	*67.8*			*10.0-130*		*04/19/2023 22:34*	WG2043676
(S) 2,4,6-Tribromophenol	*44.9*			*10.0-155*		*04/19/2023 22:34*	WG2043676
(S) p-Terphenyl-d14	*62.5*			*10.0-128*		*04/19/2023 22:34*	WG2043676

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	04/18/2023 11:00	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 11:00	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 11:00	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 11:00	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 11:00	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 11:00	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 11:00	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 11:00	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 11:00	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 11:00	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 11:00	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 11:00	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 11:00	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 11:00	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 11:00	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 11:00	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 11:00	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 11:00	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 11:00	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 11:00	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 11:00	WG2043323
(S) Nitrobenzene-d5	*81.5*			*31.0-160*		*04/18/2023 11:00*	WG2043323
(S) 2-Fluorobiphenyl	*111*			*48.0-148*		*04/18/2023 11:00*	WG2043323
(S) p-Terphenyl-d14	*108*			*37.0-146*		*04/18/2023 11:00*	WG2043323

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	04/20/2023 21:39	WG2043048

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	04/18/2023 17:01	WG2043131
Acetone	U		11.3	25.0	1	04/18/2023 17:49	WG2043904
Acrylonitrile	U		0.671	5.00	1	04/18/2023 17:49	WG2043904
Benzene	U		0.0941	0.500	1	04/18/2023 17:49	WG2043904
Bromobenzene	U		0.118	0.500	1	04/18/2023 17:49	WG2043904
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 17:49	WG2043904
Bromochloromethane	U		0.128	0.500	1	04/18/2023 17:49	WG2043904
Bromoform	U		0.129	0.500	1	04/18/2023 17:49	WG2043904
Bromomethane	U		0.605	2.50	1	04/18/2023 17:49	WG2043904
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 17:49	WG2043904
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 17:49	WG2043904
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 17:49	WG2043904
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 17:49	WG2043904
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 17:49	WG2043904
Chlorobenzene	U		0.117	0.500	1	04/18/2023 17:49	WG2043904
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 17:49	WG2043904
Chloroethane	U		0.192	2.50	1	04/18/2023 17:49	WG2043904
2-Chloroethyl vinyl ether	U		0.575	50.0	1	04/18/2023 17:49	WG2043904
Chloroform	U		0.111	0.500	1	04/18/2023 17:49	WG2043904
Chloromethane	U		0.960	1.25	1	04/18/2023 17:49	WG2043904
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 17:49	WG2043904
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 17:49	WG2043904
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 17:49	WG2043904
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 17:49	WG2043904
Dibromomethane	U		0.122	0.500	1	04/18/2023 17:49	WG2043904
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 17:49	WG2043904
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 17:49	WG2043904
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 17:49	WG2043904
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 17:49	WG2043904
1,1-Dichloroethane	0.197	J	0.100	0.500	1	04/18/2023 17:49	WG2043904
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 17:49	WG2043904
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 17:49	WG2043904
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/18/2023 17:49	WG2043904
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 17:49	WG2043904
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 17:49	WG2043904
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 17:49	WG2043904
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 17:49	WG2043904
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 17:49	WG2043904
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 17:49	WG2043904
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 17:49	WG2043904
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 17:49	WG2043904
Di-isopropyl ether	U		0.105	0.500	1	04/18/2023 17:49	WG2043904
Ethylbenzene	U		0.137	0.500	1	04/18/2023 17:49	WG2043904
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/18/2023 17:49	WG2043904
2-Hexanone	U		0.787	5.00	1	04/18/2023 17:49	WG2043904
n-Hexane	U		0.749	5.00	1	04/18/2023 17:49	WG2043904
Iodomethane	U		0.554	5.00	1	04/18/2023 17:49	WG2043904
Isopropylbenzene	U	J4	0.105	0.500	1	04/18/2023 17:49	WG2043904
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 17:49	WG2043904
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 17:49	WG2043904

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	04/18/2023 17:49	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 17:49	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 17:49	WG2043904
Naphthalene	U	C3	0.174	2.50	1	04/18/2023 17:49	WG2043904
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 17:49	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 17:49	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 17:49	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 17:49	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 17:49	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 17:49	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 17:49	WG2043904
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2023 17:49	WG2043904
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2023 17:49	WG2043904
1,1,1-Trichloroethane	U		0.149	0.500	1	04/18/2023 17:49	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 17:49	WG2043904
Trichloroethene	U		0.190	0.500	1	04/18/2023 17:49	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 17:49	WG2043904
1,2,3-Trichloropropane	U	J3	0.237	2.50	1	04/18/2023 17:49	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/18/2023 17:49	WG2043904
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 17:49	WG2043904
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 17:49	WG2043904
Vinyl acetate	U		0.692	5.00	1	04/18/2023 17:49	WG2043904
Vinyl chloride	U	J4	0.234	0.500	1	04/18/2023 17:49	WG2043904
Xylenes, Total	U		0.174	1.50	1	04/18/2023 17:49	WG2043904
(S) Toluene-d8	*100*			*80.0-120*		*04/18/2023 17:49*	WG2043904
(S) 4-Bromofluorobenzene	*88.3*			*77.0-126*		*04/18/2023 17:49*	WG2043904
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/18/2023 17:49*	WG2043904

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	04/20/2023 01:03	WG2043355
Atrazine	U		0.255	10.0	1	04/20/2023 01:03	WG2043355
Benzaldehyde	U	C3	1.69	10.0	1	04/20/2023 01:03	WG2043355
Biphenyl	U	J4	0.790	10.0	1	04/20/2023 01:03	WG2043355
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/20/2023 01:03	WG2043355
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/20/2023 01:03	WG2043355
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/20/2023 01:03	WG2043355
4-Bromophenyl-phenylether	U	J4	0.0877	10.0	1	04/20/2023 01:03	WG2043355
Caprolactam	U		0.309	10.0	1	04/20/2023 01:03	WG2043355
Carbazole	U	J4	0.111	10.0	1	04/20/2023 01:03	WG2043355
4-Chloroaniline	U		0.234	5.00	1	04/20/2023 01:03	WG2043355
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/20/2023 01:03	WG2043355
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/20/2023 01:03	WG2043355
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/20/2023 01:03	WG2043355
2,6-Dinitrotoluene	U	J4	0.250	5.00	1	04/20/2023 01:03	WG2043355
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/20/2023 01:03	WG2043355
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/20/2023 01:03	WG2043355
Hexachloroethane	U		0.127	5.00	1	04/20/2023 01:03	WG2043355
Isophorone	U		0.143	10.0	1	04/20/2023 01:03	WG2043355
2-Nitroaniline	U		0.102	10.0	1	04/20/2023 01:03	WG2043355
3-Nitroaniline	U		0.0869	5.00	1	04/20/2023 01:03	WG2043355
4-Nitroaniline	U		0.0910	5.00	1	04/20/2023 01:03	WG2043355
Nitrobenzene	U		0.297	10.0	1	04/20/2023 01:03	WG2043355
n-Nitrosodiphenylamine	U	J4	2.37	10.0	1	04/20/2023 01:03	WG2043355
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/20/2023 01:03	WG2043355

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	04/20/2023 01:03	WG2043355
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	04/20/2023 01:03	WG2043355
Di-n-butyl phthalate	U		0.453	3.00	1	04/20/2023 01:03	WG2043355
Diethyl phthalate	U		0.287	3.00	1	04/20/2023 01:03	WG2043355
Dimethyl phthalate	U		0.260	3.00	1	04/20/2023 01:03	WG2043355
Di-n-octyl phthalate	U		0.932	3.00	1	04/20/2023 01:03	WG2043355
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/20/2023 01:03	WG2043355
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/20/2023 01:03	WG2043355
2-Chlorophenol	U		0.133	1.00	1	04/20/2023 01:03	WG2043355
2-Methylphenol	U		0.0929	1.00	1	04/20/2023 01:03	WG2043355
3&4-Methyl Phenol	U		0.168	1.00	1	04/20/2023 01:03	WG2043355
2,4-Dichlorophenol	U		0.102	5.00	1	04/20/2023 01:03	WG2043355
2,4-Dimethylphenol	U		0.0636	10.0	1	04/20/2023 01:03	WG2043355
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	04/20/2023 01:03	WG2043355
2,4-Dinitrophenol	U		5.93	10.0	1	04/20/2023 01:03	WG2043355
2-Nitrophenol	U		0.117	10.0	1	04/20/2023 01:03	WG2043355
4-Nitrophenol	U	J4	0.143	10.0	1	04/20/2023 01:03	WG2043355
Pentachlorophenol	U		0.313	1.00	1	04/20/2023 01:03	WG2043355
Phenol	U		4.33	10.0	1	04/20/2023 01:03	WG2043355
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/20/2023 01:03	WG2043355
2,4,6-Trichlorophenol	U	J4	0.100	1.00	1	04/20/2023 01:03	WG2043355
(S) 2-Fluorophenol	*18.6*			*10.0-120*		*04/20/2023 01:03*	WG2043355
(S) Phenol-d5	*12.3*			*10.0-120*		*04/20/2023 01:03*	WG2043355
(S) Nitrobenzene-d5	*33.1*			*10.0-127*		*04/20/2023 01:03*	WG2043355
(S) 2-Fluorobiphenyl	*32.1*			*10.0-130*		*04/20/2023 01:03*	WG2043355
(S) 2,4,6-Tribromophenol	*32.9*			*10.0-155*		*04/20/2023 01:03*	WG2043355
(S) p-Terphenyl-d14	*42.1*			*10.0-128*		*04/20/2023 01:03*	WG2043355

Sample Narrative:

L1605860-11 WG2043355: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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	04/18/2023 11:20	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 11:20	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 11:20	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 11:20	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 11:20	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 11:20	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 11:20	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 11:20	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 11:20	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 11:20	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 11:20	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 11:20	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 11:20	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 11:20	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 11:20	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 11:20	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 11:20	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 11:20	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 11:20	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 11:20	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 11:20	WG2043323
(S) Nitrobenzene-d5	*67.5*			*31.0-160*		*04/18/2023 11:20*	WG2043323

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	*119*			*48.0-148*		*04/18/2023 11:20*	WG2043323
(S) p-Terphenyl-d14	*107*			*37.0-146*		*04/18/2023 11:20*	WG2043323

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	04/20/2023 21:43	WG2043048

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	04/18/2023 17:25	WG2043131
Acetone	U		11.3	25.0	1	04/18/2023 13:09	WG2043904
Acrylonitrile	U		0.671	5.00	1	04/18/2023 13:09	WG2043904
Benzene	U		0.0941	0.500	1	04/18/2023 13:09	WG2043904
Bromobenzene	U		0.118	0.500	1	04/18/2023 13:09	WG2043904
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 13:09	WG2043904
Bromochloromethane	U		0.128	0.500	1	04/18/2023 13:09	WG2043904
Bromoform	U		0.129	0.500	1	04/18/2023 13:09	WG2043904
Bromomethane	U		0.605	2.50	1	04/18/2023 13:09	WG2043904
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 13:09	WG2043904
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 13:09	WG2043904
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 13:09	WG2043904
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 13:09	WG2043904
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 13:09	WG2043904
Chlorobenzene	U		0.117	0.500	1	04/18/2023 13:09	WG2043904
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 13:09	WG2043904
Chloroethane	U		0.192	2.50	1	04/18/2023 13:09	WG2043904
2-Chloroethyl vinyl ether	U		0.575	50.0	1	04/18/2023 13:09	WG2043904
Chloroform	1.64		0.111	0.500	1	04/18/2023 13:09	WG2043904
Chloromethane	U		0.960	1.25	1	04/18/2023 13:09	WG2043904
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 13:09	WG2043904
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 13:09	WG2043904
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 13:09	WG2043904
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 13:09	WG2043904
Dibromomethane	U		0.122	0.500	1	04/18/2023 13:09	WG2043904
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 13:09	WG2043904
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 13:09	WG2043904
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 13:09	WG2043904
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 13:09	WG2043904
1,1-Dichloroethane	U		0.100	0.500	1	04/18/2023 13:09	WG2043904
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 13:09	WG2043904
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 13:09	WG2043904
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/18/2023 13:09	WG2043904
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 13:09	WG2043904
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 13:09	WG2043904
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 13:09	WG2043904
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 13:09	WG2043904
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 13:09	WG2043904
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 13:09	WG2043904
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 13:09	WG2043904
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 13:09	WG2043904
Di-isopropyl ether	U		0.105	0.500	1	04/18/2023 13:09	WG2043904
Ethylbenzene	U		0.137	0.500	1	04/18/2023 13:09	WG2043904
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/18/2023 13:09	WG2043904
2-Hexanone	U		0.787	5.00	1	04/18/2023 13:09	WG2043904
n-Hexane	U		0.749	5.00	1	04/18/2023 13:09	WG2043904
Iodomethane	U		0.554	5.00	1	04/18/2023 13:09	WG2043904
Isopropylbenzene	U	J4	0.105	0.500	1	04/18/2023 13:09	WG2043904
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 13:09	WG2043904
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 13:09	WG2043904

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	04/18/2023 13:09	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 13:09	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 13:09	WG2043904
Naphthalene	U	C3	0.174	2.50	1	04/18/2023 13:09	WG2043904
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 13:09	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 13:09	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 13:09	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 13:09	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 13:09	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 13:09	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 13:09	WG2043904
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2023 13:09	WG2043904
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2023 13:09	WG2043904
1,1,1-Trichloroethane	U		0.149	0.500	1	04/18/2023 13:09	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 13:09	WG2043904
Trichloroethene	U		0.190	0.500	1	04/18/2023 13:09	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 13:09	WG2043904
1,2,3-Trichloropropane	U	J3	0.237	2.50	1	04/18/2023 13:09	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/18/2023 13:09	WG2043904
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 13:09	WG2043904
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 13:09	WG2043904
Vinyl acetate	U		0.692	5.00	1	04/18/2023 13:09	WG2043904
Vinyl chloride	U	J4	0.234	0.500	1	04/18/2023 13:09	WG2043904
Xylenes, Total	U		0.174	1.50	1	04/18/2023 13:09	WG2043904
(S) Toluene-d8	*102*			*80.0-120*		*04/18/2023 13:09*	WG2043904
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*		*04/18/2023 13:09*	WG2043904
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*04/18/2023 13:09*	WG2043904

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	04/20/2023 01:24	WG2043355
Atrazine	U		0.255	10.0	1	04/20/2023 01:24	WG2043355
Benzaldehyde	U	C3	1.69	10.0	1	04/20/2023 01:24	WG2043355
Biphenyl	U	J4	0.790	10.0	1	04/20/2023 01:24	WG2043355
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/20/2023 01:24	WG2043355
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/20/2023 01:24	WG2043355
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/20/2023 01:24	WG2043355
4-Bromophenyl-phenylether	U	J4	0.0877	10.0	1	04/20/2023 01:24	WG2043355
Caprolactam	U		0.309	10.0	1	04/20/2023 01:24	WG2043355
Carbazole	U	J4	0.111	10.0	1	04/20/2023 01:24	WG2043355
4-Chloroaniline	U		0.234	5.00	1	04/20/2023 01:24	WG2043355
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/20/2023 01:24	WG2043355
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/20/2023 01:24	WG2043355
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/20/2023 01:24	WG2043355
2,6-Dinitrotoluene	U	J4	0.250	5.00	1	04/20/2023 01:24	WG2043355
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/20/2023 01:24	WG2043355
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/20/2023 01:24	WG2043355
Hexachloroethane	U		0.127	5.00	1	04/20/2023 01:24	WG2043355
Isophorone	U		0.143	10.0	1	04/20/2023 01:24	WG2043355
2-Nitroaniline	U		0.102	10.0	1	04/20/2023 01:24	WG2043355
3-Nitroaniline	U		0.0869	5.00	1	04/20/2023 01:24	WG2043355
4-Nitroaniline	U		0.0910	5.00	1	04/20/2023 01:24	WG2043355
Nitrobenzene	U		0.297	10.0	1	04/20/2023 01:24	WG2043355
n-Nitrosodiphenylamine	U	J4	2.37	10.0	1	04/20/2023 01:24	WG2043355
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/20/2023 01:24	WG2043355

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	04/20/2023 01:24	WG2043355
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	04/20/2023 01:24	WG2043355
Di-n-butyl phthalate	U		0.453	3.00	1	04/20/2023 01:24	WG2043355
Diethyl phthalate	U		0.287	3.00	1	04/20/2023 01:24	WG2043355
Dimethyl phthalate	U		0.260	3.00	1	04/20/2023 01:24	WG2043355
Di-n-octyl phthalate	U		0.932	3.00	1	04/20/2023 01:24	WG2043355
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/20/2023 01:24	WG2043355
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/20/2023 01:24	WG2043355
2-Chlorophenol	U		0.133	1.00	1	04/20/2023 01:24	WG2043355
2-Methylphenol	U		0.0929	1.00	1	04/20/2023 01:24	WG2043355
3&4-Methyl Phenol	U		0.168	1.00	1	04/20/2023 01:24	WG2043355
2,4-Dichlorophenol	U		0.102	5.00	1	04/20/2023 01:24	WG2043355
2,4-Dimethylphenol	U		0.0636	10.0	1	04/20/2023 01:24	WG2043355
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	04/20/2023 01:24	WG2043355
2,4-Dinitrophenol	U		5.93	10.0	1	04/20/2023 01:24	WG2043355
2-Nitrophenol	U		0.117	10.0	1	04/20/2023 01:24	WG2043355
4-Nitrophenol	U	J4	0.143	10.0	1	04/20/2023 01:24	WG2043355
Pentachlorophenol	U		0.313	1.00	1	04/20/2023 01:24	WG2043355
Phenol	U		4.33	10.0	1	04/20/2023 01:24	WG2043355
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/20/2023 01:24	WG2043355
2,4,6-Trichlorophenol	U	J4	0.100	1.00	1	04/20/2023 01:24	WG2043355
(S) 2-Fluorophenol	*22.8*			*10.0-120*		*04/20/2023 01:24*	WG2043355
(S) Phenol-d5	*16.3*			*10.0-120*		*04/20/2023 01:24*	WG2043355
(S) Nitrobenzene-d5	*35.2*			*10.0-127*		*04/20/2023 01:24*	WG2043355
(S) 2-Fluorobiphenyl	*40.3*			*10.0-130*		*04/20/2023 01:24*	WG2043355
(S) 2,4,6-Tribromophenol	*40.8*			*10.0-155*		*04/20/2023 01:24*	WG2043355
(S) p-Terphenyl-d14	*51.1*			*10.0-128*		*04/20/2023 01:24*	WG2043355

Sample Narrative:

L1605860-12 WG2043355: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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	04/18/2023 11:39	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 11:39	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 11:39	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 11:39	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 11:39	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 11:39	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 11:39	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 11:39	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 11:39	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 11:39	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 11:39	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 11:39	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 11:39	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 11:39	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 11:39	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 11:39	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 11:39	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 11:39	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 11:39	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 11:39	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 11:39	WG2043323
(S) Nitrobenzene-d5	*73.5*			*31.0-160*		*04/18/2023 11:39*	WG2043323

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	*100*			*48.0-148*		*04/18/2023 11:39*	WG2043323
(S) p-Terphenyl-d14	*123*			*37.0-146*		*04/18/2023 11:39*	WG2043323

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	04/20/2023 21:46	WG2043048

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	04/18/2023 17:48	WG2043131
Acetone	U		11.3	25.0	1	04/18/2023 13:31	WG2043904
Acrylonitrile	U		0.671	5.00	1	04/18/2023 13:31	WG2043904
Benzene	U		0.0941	0.500	1	04/18/2023 13:31	WG2043904
Bromobenzene	U		0.118	0.500	1	04/18/2023 13:31	WG2043904
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 13:31	WG2043904
Bromochloromethane	U		0.128	0.500	1	04/18/2023 13:31	WG2043904
Bromoform	U		0.129	0.500	1	04/18/2023 13:31	WG2043904
Bromomethane	U		0.605	2.50	1	04/18/2023 13:31	WG2043904
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 13:31	WG2043904
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 13:31	WG2043904
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 13:31	WG2043904
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 13:31	WG2043904
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 13:31	WG2043904
Chlorobenzene	U		0.117	0.500	1	04/18/2023 13:31	WG2043904
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 13:31	WG2043904
Chloroethane	U		0.192	2.50	1	04/18/2023 13:31	WG2043904
2-Chloroethyl vinyl ether	U		0.575	50.0	1	04/18/2023 13:31	WG2043904
Chloroform	1.47		0.111	0.500	1	04/18/2023 13:31	WG2043904
Chloromethane	U		0.960	1.25	1	04/18/2023 13:31	WG2043904
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 13:31	WG2043904
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 13:31	WG2043904
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 13:31	WG2043904
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 13:31	WG2043904
Dibromomethane	U		0.122	0.500	1	04/18/2023 13:31	WG2043904
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 13:31	WG2043904
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 13:31	WG2043904
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 13:31	WG2043904
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 13:31	WG2043904
1,1-Dichloroethane	U		0.100	0.500	1	04/18/2023 13:31	WG2043904
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 13:31	WG2043904
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 13:31	WG2043904
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/18/2023 13:31	WG2043904
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 13:31	WG2043904
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 13:31	WG2043904
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 13:31	WG2043904
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 13:31	WG2043904
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 13:31	WG2043904
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 13:31	WG2043904
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 13:31	WG2043904
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 13:31	WG2043904
Di-isopropyl ether	U		0.105	0.500	1	04/18/2023 13:31	WG2043904
Ethylbenzene	U		0.137	0.500	1	04/18/2023 13:31	WG2043904
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/18/2023 13:31	WG2043904
2-Hexanone	U		0.787	5.00	1	04/18/2023 13:31	WG2043904
n-Hexane	U		0.749	5.00	1	04/18/2023 13:31	WG2043904
Iodomethane	U		0.554	5.00	1	04/18/2023 13:31	WG2043904
Isopropylbenzene	U	J4	0.105	0.500	1	04/18/2023 13:31	WG2043904
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 13:31	WG2043904
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 13:31	WG2043904

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	04/18/2023 13:31	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 13:31	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 13:31	WG2043904
Naphthalene	U	C3	0.174	2.50	1	04/18/2023 13:31	WG2043904
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 13:31	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 13:31	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 13:31	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 13:31	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 13:31	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 13:31	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 13:31	WG2043904
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2023 13:31	WG2043904
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2023 13:31	WG2043904
1,1,1-Trichloroethane	U		0.149	0.500	1	04/18/2023 13:31	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 13:31	WG2043904
Trichloroethene	U		0.190	0.500	1	04/18/2023 13:31	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 13:31	WG2043904
1,2,3-Trichloropropane	U	J3	0.237	2.50	1	04/18/2023 13:31	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/18/2023 13:31	WG2043904
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 13:31	WG2043904
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 13:31	WG2043904
Vinyl acetate	U		0.692	5.00	1	04/18/2023 13:31	WG2043904
Vinyl chloride	U	J4	0.234	0.500	1	04/18/2023 13:31	WG2043904
Xylenes, Total	U		0.174	1.50	1	04/18/2023 13:31	WG2043904
(S) Toluene-d8	*98.4*			*80.0-120*		*04/18/2023 13:31*	WG2043904
(S) 4-Bromofluorobenzene	*87.2*			*77.0-126*		*04/18/2023 13:31*	WG2043904
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/18/2023 13:31*	WG2043904

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	04/19/2023 18:36	WG2043676
Atrazine	U		0.255	10.0	1	04/19/2023 18:36	WG2043676
Benzaldehyde	U	J4	1.69	10.0	1	04/19/2023 18:36	WG2043676
Biphenyl	U		0.790	10.0	1	04/19/2023 18:36	WG2043676
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/19/2023 18:36	WG2043676
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/19/2023 18:36	WG2043676
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/19/2023 18:36	WG2043676
4-Bromophenyl-phenylether	U		0.0877	10.0	1	04/19/2023 18:36	WG2043676
Caprolactam	U		0.309	10.0	1	04/19/2023 18:36	WG2043676
Carbazole	U		0.111	10.0	1	04/19/2023 18:36	WG2043676
4-Chloroaniline	U		0.234	5.00	1	04/19/2023 18:36	WG2043676
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/19/2023 18:36	WG2043676
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/19/2023 18:36	WG2043676
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/19/2023 18:36	WG2043676
2,6-Dinitrotoluene	U		0.250	5.00	1	04/19/2023 18:36	WG2043676
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/19/2023 18:36	WG2043676
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/19/2023 18:36	WG2043676
Hexachloroethane	U		0.127	5.00	1	04/19/2023 18:36	WG2043676
Isophorone	U		0.143	10.0	1	04/19/2023 18:36	WG2043676
2-Nitroaniline	U		0.102	10.0	1	04/19/2023 18:36	WG2043676
3-Nitroaniline	U		0.0869	5.00	1	04/19/2023 18:36	WG2043676
4-Nitroaniline	U		0.0910	5.00	1	04/19/2023 18:36	WG2043676
Nitrobenzene	U		0.297	10.0	1	04/19/2023 18:36	WG2043676
n-Nitrosodiphenylamine	U		2.37	10.0	1	04/19/2023 18:36	WG2043676
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/19/2023 18:36	WG2043676

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	J4	0.765	3.00	1	04/19/2023 18:36	WG2043676
Bis(2-ethylhexyl)phthalate	U	J4	0.895	3.00	1	04/19/2023 18:36	WG2043676
Di-n-butyl phthalate	U		0.453	3.00	1	04/19/2023 18:36	WG2043676
Diethyl phthalate	U		0.287	3.00	1	04/19/2023 18:36	WG2043676
Dimethyl phthalate	U		0.260	3.00	1	04/19/2023 18:36	WG2043676
Di-n-octyl phthalate	U	J4	0.932	3.00	1	04/19/2023 18:36	WG2043676
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/19/2023 18:36	WG2043676
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/19/2023 18:36	WG2043676
2-Chlorophenol	U		0.133	1.00	1	04/19/2023 18:36	WG2043676
2-Methylphenol	U		0.0929	1.00	1	04/19/2023 18:36	WG2043676
3&4-Methyl Phenol	U		0.168	1.00	1	04/19/2023 18:36	WG2043676
2,4-Dichlorophenol	U		0.102	5.00	1	04/19/2023 18:36	WG2043676
2,4-Dimethylphenol	U		0.0636	10.0	1	04/19/2023 18:36	WG2043676
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	04/19/2023 18:36	WG2043676
2,4-Dinitrophenol	U		5.93	10.0	1	04/19/2023 18:36	WG2043676
2-Nitrophenol	U		0.117	10.0	1	04/19/2023 18:36	WG2043676
4-Nitrophenol	U		0.143	10.0	1	04/19/2023 18:36	WG2043676
Pentachlorophenol	U		0.313	1.00	1	04/19/2023 18:36	WG2043676
Phenol	U		4.33	10.0	1	04/19/2023 18:36	WG2043676
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/19/2023 18:36	WG2043676
2,4,6-Trichlorophenol	U		0.100	1.00	1	04/19/2023 18:36	WG2043676
(S) 2-Fluorophenol	*26.5*			*10.0-120*		*04/19/2023 18:36*	WG2043676
(S) Phenol-d5	*16.3*			*10.0-120*		*04/19/2023 18:36*	WG2043676
(S) Nitrobenzene-d5	*67.7*			*10.0-127*		*04/19/2023 18:36*	WG2043676
(S) 2-Fluorobiphenyl	*76.3*			*10.0-130*		*04/19/2023 18:36*	WG2043676
(S) 2,4,6-Tribromophenol	*45.2*			*10.0-155*		*04/19/2023 18:36*	WG2043676
(S) p-Terphenyl-d14	*73.3*			*10.0-128*		*04/19/2023 18:36*	WG2043676

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	04/18/2023 11:59	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 11:59	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 11:59	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 11:59	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 11:59	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 11:59	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 11:59	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 11:59	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 11:59	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 11:59	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 11:59	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 11:59	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 11:59	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 11:59	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 11:59	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 11:59	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 11:59	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 11:59	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 11:59	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 11:59	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 11:59	WG2043323
(S) Nitrobenzene-d5	*59.5*			*31.0-160*		*04/18/2023 11:59*	WG2043323
(S) 2-Fluorobiphenyl	*97.0*			*48.0-148*		*04/18/2023 11:59*	WG2043323
(S) p-Terphenyl-d14	*94.0*			*37.0-146*		*04/18/2023 11:59*	WG2043323

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	04/20/2023 21:49	WG2043048

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	04/18/2023 18:12	WG2043131
Acetone	U		11.3	25.0	1	04/18/2023 13:52	WG2043904
Acrylonitrile	U		0.671	5.00	1	04/18/2023 13:52	WG2043904
Benzene	U		0.0941	0.500	1	04/18/2023 13:52	WG2043904
Bromobenzene	U		0.118	0.500	1	04/18/2023 13:52	WG2043904
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 13:52	WG2043904
Bromochloromethane	U		0.128	0.500	1	04/18/2023 13:52	WG2043904
Bromoform	U		0.129	0.500	1	04/18/2023 13:52	WG2043904
Bromomethane	U		0.605	2.50	1	04/18/2023 13:52	WG2043904
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 13:52	WG2043904
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 13:52	WG2043904
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 13:52	WG2043904
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 13:52	WG2043904
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 13:52	WG2043904
Chlorobenzene	U		0.117	0.500	1	04/18/2023 13:52	WG2043904
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 13:52	WG2043904
Chloroethane	U		0.192	2.50	1	04/18/2023 13:52	WG2043904
2-Chloroethyl vinyl ether	U		0.575	50.0	1	04/18/2023 13:52	WG2043904
Chloroform	1.69		0.111	0.500	1	04/18/2023 13:52	WG2043904
Chloromethane	U		0.960	1.25	1	04/18/2023 13:52	WG2043904
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 13:52	WG2043904
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 13:52	WG2043904
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 13:52	WG2043904
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 13:52	WG2043904
Dibromomethane	U		0.122	0.500	1	04/18/2023 13:52	WG2043904
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 13:52	WG2043904
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 13:52	WG2043904
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 13:52	WG2043904
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 13:52	WG2043904
1,1-Dichloroethane	U		0.100	0.500	1	04/18/2023 13:52	WG2043904
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 13:52	WG2043904
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 13:52	WG2043904
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/18/2023 13:52	WG2043904
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 13:52	WG2043904
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 13:52	WG2043904
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 13:52	WG2043904
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 13:52	WG2043904
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 13:52	WG2043904
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 13:52	WG2043904
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 13:52	WG2043904
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 13:52	WG2043904
Di-isopropyl ether	U		0.105	0.500	1	04/18/2023 13:52	WG2043904
Ethylbenzene	U		0.137	0.500	1	04/18/2023 13:52	WG2043904
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/18/2023 13:52	WG2043904
2-Hexanone	U		0.787	5.00	1	04/18/2023 13:52	WG2043904
n-Hexane	U		0.749	5.00	1	04/18/2023 13:52	WG2043904
Iodomethane	U		0.554	5.00	1	04/18/2023 13:52	WG2043904
Isopropylbenzene	U	J4	0.105	0.500	1	04/18/2023 13:52	WG2043904
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 13:52	WG2043904
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 13:52	WG2043904

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	04/18/2023 13:52	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 13:52	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 13:52	WG2043904
Naphthalene	U	C3	0.174	2.50	1	04/18/2023 13:52	WG2043904
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 13:52	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 13:52	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 13:52	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 13:52	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 13:52	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 13:52	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 13:52	WG2043904
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2023 13:52	WG2043904
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2023 13:52	WG2043904
1,1,1-Trichloroethane	U		0.149	0.500	1	04/18/2023 13:52	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 13:52	WG2043904
Trichloroethene	U		0.190	0.500	1	04/18/2023 13:52	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 13:52	WG2043904
1,2,3-Trichloropropane	U	J3	0.237	2.50	1	04/18/2023 13:52	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/18/2023 13:52	WG2043904
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 13:52	WG2043904
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 13:52	WG2043904
Vinyl acetate	U		0.692	5.00	1	04/18/2023 13:52	WG2043904
Vinyl chloride	U	J4	0.234	0.500	1	04/18/2023 13:52	WG2043904
Xylenes, Total	U		0.174	1.50	1	04/18/2023 13:52	WG2043904
(S) Toluene-d8	*98.4*			*80.0-120*		*04/18/2023 13:52*	WG2043904
(S) 4-Bromofluorobenzene	*83.1*			*77.0-126*		*04/18/2023 13:52*	WG2043904
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*04/18/2023 13:52*	WG2043904

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	04/19/2023 18:57	WG2043676
Atrazine	U		0.255	10.0	1	04/19/2023 18:57	WG2043676
Benzaldehyde	U	J4	1.69	10.0	1	04/19/2023 18:57	WG2043676
Biphenyl	U		0.790	10.0	1	04/19/2023 18:57	WG2043676
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/19/2023 18:57	WG2043676
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/19/2023 18:57	WG2043676
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/19/2023 18:57	WG2043676
4-Bromophenyl-phenylether	U		0.0877	10.0	1	04/19/2023 18:57	WG2043676
Caprolactam	U		0.309	10.0	1	04/19/2023 18:57	WG2043676
Carbazole	U		0.111	10.0	1	04/19/2023 18:57	WG2043676
4-Chloroaniline	U		0.234	5.00	1	04/19/2023 18:57	WG2043676
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/19/2023 18:57	WG2043676
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/19/2023 18:57	WG2043676
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/19/2023 18:57	WG2043676
2,6-Dinitrotoluene	U		0.250	5.00	1	04/19/2023 18:57	WG2043676
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/19/2023 18:57	WG2043676
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/19/2023 18:57	WG2043676
Hexachloroethane	U		0.127	5.00	1	04/19/2023 18:57	WG2043676
Isophorone	U		0.143	10.0	1	04/19/2023 18:57	WG2043676
2-Nitroaniline	U		0.102	10.0	1	04/19/2023 18:57	WG2043676
3-Nitroaniline	U		0.0869	5.00	1	04/19/2023 18:57	WG2043676
4-Nitroaniline	U		0.0910	5.00	1	04/19/2023 18:57	WG2043676
Nitrobenzene	U		0.297	10.0	1	04/19/2023 18:57	WG2043676
n-Nitrosodiphenylamine	U		2.37	10.0	1	04/19/2023 18:57	WG2043676
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/19/2023 18:57	WG2043676

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	J4	0.765	3.00	1	04/19/2023 18:57	WG2043676
Bis(2-ethylhexyl)phthalate	U	J4	0.895	3.00	1	04/19/2023 18:57	WG2043676
Di-n-butyl phthalate	U		0.453	3.00	1	04/19/2023 18:57	WG2043676
Diethyl phthalate	U		0.287	3.00	1	04/19/2023 18:57	WG2043676
Dimethyl phthalate	U		0.260	3.00	1	04/19/2023 18:57	WG2043676
Di-n-octyl phthalate	U	J4	0.932	3.00	1	04/19/2023 18:57	WG2043676
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/19/2023 18:57	WG2043676
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/19/2023 18:57	WG2043676
2-Chlorophenol	U		0.133	1.00	1	04/19/2023 18:57	WG2043676
2-Methylphenol	U		0.0929	1.00	1	04/19/2023 18:57	WG2043676
3&4-Methyl Phenol	U		0.168	1.00	1	04/19/2023 18:57	WG2043676
2,4-Dichlorophenol	U		0.102	5.00	1	04/19/2023 18:57	WG2043676
2,4-Dimethylphenol	U		0.0636	10.0	1	04/19/2023 18:57	WG2043676
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	04/19/2023 18:57	WG2043676
2,4-Dinitrophenol	U		5.93	10.0	1	04/19/2023 18:57	WG2043676
2-Nitrophenol	U		0.117	10.0	1	04/19/2023 18:57	WG2043676
4-Nitrophenol	U		0.143	10.0	1	04/19/2023 18:57	WG2043676
Pentachlorophenol	U		0.313	1.00	1	04/19/2023 18:57	WG2043676
Phenol	U		4.33	10.0	1	04/19/2023 18:57	WG2043676
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/19/2023 18:57	WG2043676
2,4,6-Trichlorophenol	U		0.100	1.00	1	04/19/2023 18:57	WG2043676
(S) 2-Fluorophenol	*31.4*			*10.0-120*		*04/19/2023 18:57*	WG2043676
(S) Phenol-d5	*17.9*			*10.0-120*		*04/19/2023 18:57*	WG2043676
(S) Nitrobenzene-d5	*59.5*			*10.0-127*		*04/19/2023 18:57*	WG2043676
(S) 2-Fluorobiphenyl	*65.6*			*10.0-130*		*04/19/2023 18:57*	WG2043676
(S) 2,4,6-Tribromophenol	*56.6*			*10.0-155*		*04/19/2023 18:57*	WG2043676
(S) p-Terphenyl-d14	*68.8*			*10.0-128*		*04/19/2023 18:57*	WG2043676

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	04/18/2023 12:19	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 12:19	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 12:19	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 12:19	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 12:19	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 12:19	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 12:19	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 12:19	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 12:19	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 12:19	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 12:19	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 12:19	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 12:19	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 12:19	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 12:19	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 12:19	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 12:19	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 12:19	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 12:19	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 12:19	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 12:19	WG2043323
(S) Nitrobenzene-d5	*79.0*			*31.0-160*		*04/18/2023 12:19*	WG2043323
(S) 2-Fluorobiphenyl	*108*			*48.0-148*		*04/18/2023 12:19*	WG2043323
(S) p-Terphenyl-d14	*106*			*37.0-146*		*04/18/2023 12:19*	WG2043323

Method Blank (MB)

(MB) R3915632-1 04/20/23 20:46

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) R3915632-2 04/20/23 20:50

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead,Dissolved	50.0	47.4	94.8	80.0-120	

L1605860-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1605860-01 04/20/23 20:53 • (MS) R3915632-4 04/20/23 21:00 • (MSD) R3915632-5 04/20/23 21:03

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	46.1	47.9	92.2	95.8	1	75.0-125			3.87	20

Method Blank (MB)

(MB) R3914706-2 04/18/23 13:02

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) R3914706-1 04/18/23 12:38

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2-Dibromo-3-Chloropropane	0.0500	0.0480	96.0	70.0-130	

Method Blank (MB)

(MB) R3914478-2 04/17/23 10:07

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) R3914478-2 04/17/23 10:07

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
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	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3914478-1 04/17/23 09:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	28.6	114	19.0-160	
Acrylonitrile	25.0	25.9	104	55.0-149	
Benzene	5.00	5.42	108	70.0-123	
Bromobenzene	5.00	4.55	91.0	73.0-121	
Bromodichloromethane	5.00	5.31	106	75.0-120	
Bromochloromethane	5.00	5.67	113	76.0-122	
Bromoform	5.00	4.61	92.2	68.0-132	
Bromomethane	5.00	4.15	83.0	10.0-160	
n-Butylbenzene	5.00	4.45	89.0	73.0-125	
sec-Butylbenzene	5.00	4.45	89.0	75.0-125	
tert-Butylbenzene	5.00	4.77	95.4	76.0-124	
Carbon disulfide	5.00	5.80	116	61.0-128	
Carbon tetrachloride	5.00	5.89	118	68.0-126	
Chlorobenzene	5.00	5.69	114	80.0-121	
Chlorodibromomethane	5.00	4.82	96.4	77.0-125	
Chloroethane	5.00	6.86	137	47.0-150	
2-Chloroethyl vinyl ether	25.0	21.8	87.2	51.0-160	
Chloroform	5.00	5.42	108	73.0-120	
Chloromethane	5.00	5.39	108	41.0-142	
2-Chlorotoluene	5.00	4.97	99.4	76.0-123	
4-Chlorotoluene	5.00	4.97	99.4	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.73	94.6	58.0-134	
1,2-Dibromoethane	5.00	4.82	96.4	80.0-122	
Dibromomethane	5.00	5.28	106	80.0-120	
1,2-Dichlorobenzene	5.00	4.96	99.2	79.0-121	
1,3-Dichlorobenzene	5.00	4.95	99.0	79.0-120	
1,4-Dichlorobenzene	5.00	4.94	98.8	79.0-120	
Dichlorodifluoromethane	5.00	7.02	140	51.0-149	
1,1-Dichloroethane	5.00	5.66	113	70.0-126	
1,2-Dichloroethane	5.00	5.14	103	70.0-128	
1,1-Dichloroethene	5.00	5.51	110	71.0-124	
cis-1,2-Dichloroethene	5.00	5.49	110	73.0-120	
trans-1,2-Dichloroethene	5.00	5.75	115	73.0-120	
1,2-Dichloropropane	5.00	5.07	101	77.0-125	
1,1-Dichloropropene	5.00	5.59	112	74.0-126	
1,3-Dichloropropane	5.00	4.92	98.4	80.0-120	
cis-1,3-Dichloropropene	5.00	5.19	104	80.0-123	
trans-1,3-Dichloropropene	5.00	5.10	102	78.0-124	
trans-1,4-Dichloro-2-butene	5.00	4.28	85.6	33.0-144	
2,2-Dichloropropane	5.00	6.29	126	58.0-130	

Laboratory Control Sample (LCS)

(LCS) R3914478-1 04/17/23 09:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Di-isopropyl ether	5.00	5.17	103	58.0-138	
Ethylbenzene	5.00	5.68	114	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.19	83.8	54.0-138	
2-Hexanone	25.0	24.9	99.6	67.0-149	
n-Hexane	5.00	5.35	107	57.0-133	
Iodomethane	25.0	20.5	82.0	33.0-147	
Isopropylbenzene	5.00	5.22	104	76.0-127	
p-Isopropyltoluene	5.00	4.65	93.0	76.0-125	
2-Butanone (MEK)	25.0	27.4	110	44.0-160	
Methylene Chloride	5.00	5.04	101	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	25.1	100	68.0-142	
Methyl tert-butyl ether	5.00	4.87	97.4	68.0-125	
Naphthalene	5.00	3.93	78.6	54.0-135	
n-Propylbenzene	5.00	4.82	96.4	77.0-124	
Styrene	5.00	4.97	99.4	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.89	118	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.74	94.8	65.0-130	
1,1,2-Trichlorotrifluoroethane	5.00	5.36	107	69.0-132	
Tetrachloroethene	5.00	5.46	109	72.0-132	
Toluene	5.00	5.56	111	79.0-120	
1,2,3-Trichlorobenzene	5.00	4.28	85.6	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.48	89.6	57.0-137	
1,1,1-Trichloroethane	5.00	5.80	116	73.0-124	
1,1,2-Trichloroethane	5.00	5.07	101	80.0-120	
Trichloroethene	5.00	5.47	109	78.0-124	
Trichlorofluoromethane	5.00	5.29	106	59.0-147	
1,2,3-Trichloropropane	5.00	4.04	80.8	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.60	92.0	76.0-121	
1,2,3-Trimethylbenzene	5.00	4.53	90.6	77.0-120	
1,3,5-Trimethylbenzene	5.00	4.75	95.0	76.0-122	
Vinyl acetate	25.0	31.7	127	11.0-160	
Vinyl chloride	5.00	6.44	129	67.0-131	
Xylenes, Total	15.0	15.8	105	79.0-123	
(S) Toluene-d8			*104*	*80.0-120*	
(S) 4-Bromofluorobenzene			*97.4*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Method Blank (MB)

(MB) R3915346-3 04/18/23 09:29

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) R3915346-3 04/18/23 09:29

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
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	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

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

(LCS) R3915346-1 04/18/23 08:25 • (LCSD) R3915346-2 04/18/23 08:46

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	25.8	25.8	103	103	19.0-160			0.000	27
Acrylonitrile	25.0	27.4	24.1	110	96.4	55.0-149			12.8	20
Benzene	5.00	4.93	4.76	98.6	95.2	70.0-123			3.51	20
Bromobenzene	5.00	4.87	4.59	97.4	91.8	73.0-121			5.92	20
Bromodichloromethane	5.00	4.99	4.91	99.8	98.2	75.0-120			1.62	20
Bromochloromethane	5.00	5.10	4.39	102	87.8	76.0-122			15.0	20
Bromoform	5.00	4.68	4.20	93.6	84.0	68.0-132			10.8	20
Bromomethane	5.00	6.98	7.02	140	140	10.0-160			0.571	25
n-Butylbenzene	5.00	4.43	4.06	88.6	81.2	73.0-125			8.72	20
sec-Butylbenzene	5.00	4.52	4.31	90.4	86.2	75.0-125			4.76	20
tert-Butylbenzene	5.00	4.54	4.28	90.8	85.6	76.0-124			5.90	20
Carbon disulfide	5.00	4.45	4.07	89.0	81.4	61.0-128			8.92	20
Carbon tetrachloride	5.00	5.25	4.42	105	88.4	68.0-126			17.2	20
Chlorobenzene	5.00	4.79	4.59	95.8	91.8	80.0-121			4.26	20
Chlorodibromomethane	5.00	4.52	4.79	90.4	95.8	77.0-125			5.80	20
Chloroethane	5.00	6.80	6.11	136	122	47.0-150			10.7	20
2-Chloroethyl vinyl ether	25.0	25.6	25.8	102	103	51.0-160			0.778	20
Chloroform	5.00	5.10	5.14	102	103	73.0-120			0.781	20
Chloromethane	5.00	5.34	5.52	107	110	41.0-142			3.31	20
2-Chlorotoluene	5.00	4.84	4.51	96.8	90.2	76.0-123			7.06	20
4-Chlorotoluene	5.00	4.84	4.69	96.8	93.8	75.0-122			3.15	20
1,2-Dibromo-3-Chloropropane	5.00	4.02	3.80	80.4	76.0	58.0-134			5.63	20
1,2-Dibromoethane	5.00	5.13	5.05	103	101	80.0-122			1.57	20
Dibromomethane	5.00	5.37	5.17	107	103	80.0-120			3.80	20
1,2-Dichlorobenzene	5.00	4.57	4.28	91.4	85.6	79.0-121			6.55	20
1,3-Dichlorobenzene	5.00	4.95	4.92	99.0	98.4	79.0-120			0.608	20
1,4-Dichlorobenzene	5.00	4.85	4.75	97.0	95.0	79.0-120			2.08	20
Dichlorodifluoromethane	5.00	5.96	5.19	119	104	51.0-149			13.8	20
1,1-Dichloroethane	5.00	4.84	4.67	96.8	93.4	70.0-126			3.58	20
1,2-Dichloroethane	5.00	5.41	5.23	108	105	70.0-128			3.38	20
1,1-Dichloroethene	5.00	4.23	4.21	84.6	84.2	71.0-124			0.474	20
cis-1,2-Dichloroethene	5.00	4.57	4.33	91.4	86.6	73.0-120			5.39	20
trans-1,2-Dichloroethene	5.00	4.76	4.26	95.2	85.2	73.0-120			11.1	20
1,2-Dichloropropane	5.00	5.11	4.94	102	98.8	77.0-125			3.38	20
1,1-Dichloropropene	5.00	4.98	4.81	99.6	96.2	74.0-126			3.47	20
1,3-Dichloropropane	5.00	4.95	4.60	99.0	92.0	80.0-120			7.33	20
cis-1,3-Dichloropropene	5.00	5.12	5.02	102	100	80.0-123			1.97	20
trans-1,3-Dichloropropene	5.00	5.01	4.94	100	98.8	78.0-124			1.41	20
trans-1,4-Dichloro-2-butene	5.00	4.51	4.10	90.2	82.0	33.0-144			9.52	20
2,2-Dichloropropane	5.00	4.63	4.20	92.6	84.0	58.0-130			9.74	20

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

(LCS) R3915346-1 04/18/23 08:25 • (LCSD) R3915346-2 04/18/23 08:46

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	4.81	4.61	96.2	92.2	58.0-138			4.25	20
Ethylbenzene	5.00	4.51	4.03	90.2	80.6	79.0-123			11.2	20
Hexachloro-1,3-butadiene	5.00	5.12	4.47	102	89.4	54.0-138			13.6	20
2-Hexanone	25.0	22.9	21.9	91.6	87.6	67.0-149			4.46	20
n-Hexane	5.00	5.46	5.00	109	100	57.0-133			8.80	20
Iodomethane	25.0	22.7	21.6	90.8	86.4	33.0-147			4.97	26
Isopropylbenzene	5.00	4.07	3.72	81.4	74.4	76.0-127		J4	8.99	20
p-Isopropyltoluene	5.00	4.56	4.24	91.2	84.8	76.0-125			7.27	20
2-Butanone (MEK)	25.0	27.8	27.5	111	110	44.0-160			1.08	20
Methylene Chloride	5.00	4.54	4.55	90.8	91.0	67.0-120			0.220	20
4-Methyl-2-pentanone (MIBK)	25.0	25.0	22.4	100	89.6	68.0-142			11.0	20
Methyl tert-butyl ether	5.00	4.46	3.92	89.2	78.4	68.0-125			12.9	20
Naphthalene	5.00	3.78	3.13	75.6	62.6	54.0-135			18.8	20
n-Propylbenzene	5.00	4.62	4.47	92.4	89.4	77.0-124			3.30	20
Styrene	5.00	4.47	3.96	89.4	79.2	73.0-130			12.1	20
1,1,1,2-Tetrachloroethane	5.00	4.44	3.85	88.8	77.0	75.0-125			14.2	20
1,1,2,2-Tetrachloroethane	5.00	5.05	4.97	101	99.4	65.0-130			1.60	20
1,1,2-Trichlorotrifluoroethane	5.00	4.84	4.32	96.8	86.4	69.0-132			11.4	20
Tetrachloroethene	5.00	5.00	4.45	100	89.0	72.0-132			11.6	20
Toluene	5.00	4.72	4.35	94.4	87.0	79.0-120			8.16	20
1,2,3-Trichlorobenzene	5.00	4.27	3.63	85.4	72.6	50.0-138			16.2	20
1,2,4-Trichlorobenzene	5.00	4.00	4.07	80.0	81.4	57.0-137			1.73	20
1,1,1-Trichloroethane	5.00	4.99	4.78	99.8	95.6	73.0-124			4.30	20
1,1,2-Trichloroethane	5.00	4.81	4.70	96.2	94.0	80.0-120			2.31	20
Trichloroethene	5.00	4.96	4.99	99.2	99.8	78.0-124			0.603	20
Trichlorofluoromethane	5.00	5.23	5.06	105	101	59.0-147			3.30	20
1,2,3-Trichloropropane	5.00	5.31	4.10	106	82.0	73.0-130		J3	25.7	20
1,2,4-Trimethylbenzene	5.00	4.37	4.03	87.4	80.6	76.0-121			8.10	20
1,2,3-Trimethylbenzene	5.00	4.20	4.06	84.0	81.2	77.0-120			3.39	20
1,3,5-Trimethylbenzene	5.00	4.45	4.37	89.0	87.4	76.0-122			1.81	20
Vinyl acetate	25.0	33.6	32.4	134	130	11.0-160			3.64	20
Vinyl chloride	5.00	6.63	6.50	133	130	67.0-131	J4		1.98	20
Xylenes, Total	15.0	13.0	12.5	86.7	83.3	79.0-123			3.92	20
(S) Toluene-d8				*95.8*	*95.7*	*80.0-120*				
(S) 4-Bromofluorobenzene				*89.8*	*87.0*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*102*	*106*	*70.0-130*				

L1605824-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1605824-05 04/18/23 15:40 • (MS) R3915346-4 04/18/23 18:55 • (MSD) R3915346-5 04/18/23 19:16

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	38.4	37.8	154	151	1	10.0-160			1.57	35
Acrylonitrile	25.0	U	30.9	32.7	124	131	1	21.0-160			5.66	32
Benzene	5.00	22.6	33.6	33.7	220	222	1	17.0-158	V	V	0.297	27
Bromobenzene	5.00	U	6.54	6.52	131	130	1	30.0-149			0.306	28
Bromodichloromethane	5.00	U	5.89	6.09	118	122	1	31.0-150			3.34	27
Bromochloromethane	5.00	U	4.92	5.01	98.4	100	1	38.0-142			1.81	26
Bromoform	5.00	U	6.28	6.38	126	128	1	29.0-150			1.58	29
Bromomethane	5.00	U	6.50	6.11	130	122	1	10.0-160			6.19	38
n-Butylbenzene	5.00	U	10.6	10.7	212	214	1	31.0-150	J5	J5	0.939	30
sec-Butylbenzene	5.00	U	9.32	9.77	186	195	1	33.0-155	J5	J5	4.71	29
tert-Butylbenzene	5.00	U	5.43	5.68	109	114	1	34.0-153			4.50	28
Carbon disulfide	5.00	U	4.51	4.49	90.2	89.8	1	10.0-156			0.444	28
Carbon tetrachloride	5.00	U	5.52	5.96	110	119	1	23.0-159			7.67	28
Chlorobenzene	5.00	U	5.08	5.67	102	113	1	33.0-152			11.0	27
Chlorodibromomethane	5.00	U	4.88	5.44	97.6	109	1	37.0-149			10.9	27
Chloroethane	5.00	U	6.03	5.73	121	115	1	10.0-160			5.10	30
2-Chloroethyl vinyl ether	25.0	0.842	1.04	0.943	0.792	0.404	1	10.0-160	J6	J6	9.78	31
Chloroform	5.00	U	5.62	5.73	112	115	1	29.0-154			1.94	28
Chloromethane	5.00	U	7.01	7.15	140	143	1	10.0-160			1.98	29
2-Chlorotoluene	5.00	U	28.8	29.0	576	580	1	32.0-153	J5	J5	0.692	28
4-Chlorotoluene	5.00	U	5.37	5.94	107	119	1	32.0-150			10.1	28
1,2-Dibromo-3-Chloropropane	5.00	U	4.62	4.71	92.4	94.2	1	22.0-151			1.93	34
1,2-Dibromoethane	5.00	6.11	13.0	14.0	138	158	1	34.0-147		J5	7.41	27
Dibromomethane	5.00	U	5.49	6.15	110	123	1	30.0-151			11.3	27
1,2-Dichlorobenzene	5.00	U	5.19	5.48	104	110	1	34.0-149			5.44	28
1,3-Dichlorobenzene	5.00	U	5.41	5.59	108	112	1	36.0-146			3.27	27
1,4-Dichlorobenzene	5.00	U	5.44	5.88	109	118	1	35.0-142			7.77	27
Dichlorodifluoromethane	5.00	U	5.79	6.51	116	130	1	10.0-160			11.7	29
1,1-Dichloroethane	5.00	U	5.43	5.76	109	115	1	25.0-158			5.90	27
1,2-Dichloroethane	5.00	8.62	15.6	16.8	140	164	1	29.0-151		J5	7.41	27
1,1-Dichloroethene	5.00	U	4.67	4.81	93.4	96.2	1	11.0-160			2.95	29
cis-1,2-Dichloroethene	5.00	U	4.85	4.97	97.0	99.4	1	10.0-160			2.44	27
trans-1,2-Dichloroethene	5.00	U	4.76	5.00	95.2	100	1	17.0-153			4.92	27
1,2-Dichloropropane	5.00	U	5.47	6.51	109	130	1	30.0-156			17.4	27
1,1-Dichloropropene	5.00	U	5.80	5.70	116	114	1	25.0-158			1.74	27
1,3-Dichloropropane	5.00	U	5.32	5.66	106	113	1	38.0-147			6.19	27
cis-1,3-Dichloropropene	5.00	U	5.76	6.13	115	123	1	34.0-149			6.22	28
trans-1,3-Dichloropropene	5.00	U	5.40	5.87	108	117	1	32.0-149			8.34	28
trans-1,4-Dichloro-2-butene	5.00	U	U	U	0.000	0.000	1	10.0-157	J6	J6	0.000	37
2,2-Dichloropropane	5.00	U	4.77	5.39	95.4	108	1	24.0-152			12.2	29

L1605824-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1605824-05 04/18/23 15:40 • (MS) R3915346-4 04/18/23 18:55 • (MSD) R3915346-5 04/18/23 19:16

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	5.24	5.87	105	117	1	21.0-160			11.3	28
Ethylbenzene	5.00	32.7	46.0	46.6	266	278	1	30.0-155	V	V	1.30	27
Hexachloro-1,3-butadiene	5.00	U	4.75	4.99	95.0	99.8	1	20.0-154			4.93	34
2-Hexanone	25.0	U	3.76	4.22	15.0	16.9	1	21.0-160	J6	J6	11.5	29
n-Hexane	5.00	4.58	11.7	11.6	142	140	1	10.0-153			0.858	28
Iodomethane	25.0	U	23.7	24.9	94.8	99.6	1	10.0-160			4.94	40
Isopropylbenzene	5.00	6.96	14.3	14.7	147	155	1	28.0-157			2.76	27
p-Isopropyltoluene	5.00	U	25.3	25.5	506	510	1	30.0-154	J5	J5	0.787	29
2-Butanone (MEK)	25.0	U	32.5	34.9	130	140	1	10.0-160			7.12	32
Methylene Chloride	5.00	U	4.93	4.82	98.6	96.4	1	23.0-144			2.26	28
4-Methyl-2-pentanone (MIBK)	25.0	U	26.8	29.6	107	118	1	29.0-160			9.93	29
Methyl tert-butyl ether	5.00	U	4.78	5.28	95.6	106	1	28.0-150			9.94	29
Naphthalene	5.00	23.6	32.7	32.0	182	168	1	12.0-156	V	V	2.16	35
n-Propylbenzene	5.00	9.87	18.0	18.3	163	169	1	31.0-154	J5	J5	1.65	28
Styrene	5.00	U	37.7	36.8	754	736	1	33.0-155	J5	J5	2.42	28
1,1,1,2-Tetrachloroethane	5.00	U	4.30	4.96	86.0	99.2	1	36.0-151			14.3	29
1,1,2,2-Tetrachloroethane	5.00	U	5.24	5.80	105	116	1	33.0-150			10.1	28
1,1,2-Trichlorotrifluoroethane	5.00	U	4.86	5.09	97.2	102	1	23.0-160			4.62	30
Tetrachloroethene	5.00	U	4.97	5.69	99.4	114	1	10.0-160			13.5	27
Toluene	5.00	59.8	81.1	79.6	426	396	1	26.0-154	V	V	1.87	28
1,2,3-Trichlorobenzene	5.00	U	3.86	4.41	77.2	88.2	1	17.0-150			13.3	36
1,2,4-Trichlorobenzene	5.00	U	4.41	4.67	88.2	93.4	1	24.0-150			5.73	33
1,1,1-Trichloroethane	5.00	U	5.27	6.11	105	122	1	23.0-160			14.8	28
1,1,2-Trichloroethane	5.00	U	5.33	5.84	107	117	1	35.0-147			9.13	27
Trichloroethene	5.00	U	5.54	6.12	111	122	1	10.0-160			9.95	25
Trichlorofluoromethane	5.00	U	5.45	6.02	109	120	1	17.0-160			9.94	31
1,2,3-Trichloropropane	5.00	U	5.80	6.10	116	122	1	34.0-151			5.04	29
1,2,4-Trimethylbenzene	5.00	581	546	528	0.000	0.000	1	26.0-154	E V	E V	3.35	27
1,2,3-Trimethylbenzene	5.00	187	232	226	900	780	1	32.0-149	E V	E V	2.62	28
1,3,5-Trimethylbenzene	5.00	192	238	232	920	800	1	28.0-153	E V	E V	2.55	27
Vinyl acetate	25.0	U	38.2	40.5	153	162	1	12.0-160		J5	5.84	31
Vinyl chloride	5.00	U	6.55	6.57	131	131	1	10.0-160			0.305	27
Xylenes, Total	15.0	2280	2250	2150	0.000	0.000	1	29.0-154	V	V	4.55	28
(S) Toluene-d8					*91.6*	*94.1*		*80.0-120*				
(S) 4-Bromofluorobenzene					*101*	*98.5*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*109*	*114*		*70.0-130*				

Method Blank (MB)

(MB) R3915934-3 04/20/23 21:11

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Naphthalene	U		0.174	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
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

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

(LCS) R3915934-1 04/20/23 20:09 • (LCSD) R3915934-2 04/20/23 20:30

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 %
Naphthalene	5.00	3.49	3.58	69.8	71.6	54.0-135			2.55	20
1,2,4-Trimethylbenzene	5.00	4.35	4.53	87.0	90.6	76.0-121			4.05	20
1,2,3-Trimethylbenzene	5.00	4.28	4.47	85.6	89.4	77.0-120			4.34	20
1,3,5-Trimethylbenzene	5.00	4.40	4.54	88.0	90.8	76.0-122			3.13	20
Xylenes, Total	15.0	14.8	14.2	98.7	94.7	79.0-123			4.14	20
(S) Toluene-d8				*104*	*100*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.4*	*97.3*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*104*	*105*	*70.0-130*				

Method Blank (MB)

(MB) R3914328-3 04/17/23 09:33

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
1,4-Dioxane	0.237	J	0.0447	0.400
(S) Nitrobenzene-d5	*65.4*			*10.0-120*

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

(LCS) R3914328-1 04/17/23 08:55 • (LCSD) R3914328-2 04/17/23 09:14

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 %
1,4-Dioxane	50.0	68.6	68.2	137	136	73.0-146			0.585	20
(S) Nitrobenzene-d5				*63.0*	*62.4*	*10.0-120*				

Method Blank (MB)

(MB) R3915284-3 04/19/23 19:00

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	10.0
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
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0
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

Method Blank (MB)

(MB) R3915284-3 04/19/23 19:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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
(S) 2-Fluorophenol	*24.5*			*10.0-120*
(S) Phenol-d5	*14.1*			*10.0-120*
(S) Nitrobenzene-d5	*34.8*			*10.0-127*
(S) 2-Fluorobiphenyl	*36.9*			*10.0-130*
(S) 2,4,6-Tribromophenol	*34.6*			*10.0-155*
(S) p-Terphenyl-d14	*43.8*			*10.0-128*

Laboratory Control Sample (LCS)

(LCS) R3915284-1 04/19/23 18:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetophenone	50.0	22.7	45.4	29.0-120	
Atrazine	50.0	30.6	61.2	39.0-141	
Benzaldehyde	50.0	44.5	89.0	10.0-160	
Biphenyl	50.0	18.9	37.8	38.0-120	J4
Bis(2-chlorethoxy)methane	50.0	18.5	37.0	33.0-120	
Bis(2-chloroethyl)ether	50.0	17.8	35.6	23.0-120	
2,2-Oxybis(1-Chloropropane)	50.0	18.9	37.8	28.0-120	
4-Bromophenyl-phenylether	50.0	21.3	42.6	45.0-120	J4
Caprolactam	50.0	9.33	18.7	10.0-120	
Carbazole	50.0	24.6	49.2	51.0-122	J4
4-Chloroaniline	50.0	15.0	30.0	25.0-120	
4-Chlorophenyl-phenylether	50.0	23.8	47.6	44.0-120	
3,3-Dichlorobenzidine	100	51.5	51.5	44.0-120	
2,4-Dinitrotoluene	50.0	28.7	57.4	49.0-124	
2,6-Dinitrotoluene	50.0	22.8	45.6	46.0-120	J4
Hexachloro-1,3-butadiene	50.0	19.2	38.4	19.0-120	
Hexachlorocyclopentadiene	50.0	11.0	22.0	15.0-120	
Hexachloroethane	50.0	16.8	33.6	15.0-120	
Isophorone	50.0	20.5	41.0	36.0-120	
2-Nitroaniline	50.0	24.3	48.6	43.0-120	
3-Nitroaniline	50.0	23.3	46.6	38.0-120	

Laboratory Control Sample (LCS)

(LCS) R3915284-1 04/19/23 18:17

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Nitroaniline	50.0	26.9	53.8	18.0-160	
Nitrobenzene	50.0	17.8	35.6	27.0-120	
n-Nitrosodiphenylamine	50.0	20.6	41.2	47.0-120	J4
n-Nitrosodi-n-propylamine	50.0	19.9	39.8	31.0-120	
Benzylbutyl phthalate	50.0	28.8	57.6	43.0-121	
Bis(2-ethylhexyl)phthalate	50.0	28.9	57.8	43.0-122	
Di-n-butyl phthalate	50.0	28.0	56.0	49.0-121	
Diethyl phthalate	50.0	27.7	55.4	48.0-122	
Dimethyl phthalate	50.0	25.1	50.2	48.0-120	
Di-n-octyl phthalate	50.0	27.1	54.2	42.0-125	
1,2,4,5-Tetrachlorobenzene	50.0	23.6	47.2	31.0-121	
4-Chloro-3-methylphenol	50.0	24.5	49.0	40.0-120	
2-Chlorophenol	50.0	17.2	34.4	25.0-120	
2-Methylphenol	50.0	16.1	32.2	28.0-120	
3&4-Methyl Phenol	50.0	18.8	37.6	31.0-120	
2,4-Dichlorophenol	50.0	19.6	39.2	36.0-120	
2,4-Dimethylphenol	50.0	21.0	42.0	33.0-120	
4,6-Dinitro-2-methylphenol	50.0	23.1	46.2	38.0-138	
2,4-Dinitrophenol	50.0	23.1	46.2	10.0-120	
2-Nitrophenol	50.0	19.3	38.6	31.0-120	
4-Nitrophenol	50.0	62.4	125	10.0-120	J4
Pentachlorophenol	50.0	21.4	42.8	23.0-120	
Phenol	50.0	8.82	17.6	10.0-120	
2,4,5-Trichlorophenol	50.0	23.7	47.4	44.0-120	
2,4,6-Trichlorophenol	50.0	20.5	41.0	42.0-120	J4
(S) 2-Fluorophenol			*23.4*	*10.0-120*	
(S) Phenol-d5			*15.1*	*10.0-120*	
(S) Nitrobenzene-d5			*35.4*	*10.0-127*	
(S) 2-Fluorobiphenyl			*38.6*	*10.0-130*	
(S) 2,4,6-Tribromophenol			*43.2*	*10.0-155*	
(S) p-Terphenyl-d14			*46.1*	*10.0-128*	

L1604908-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1604908-12 04/20/23 02:07 • (MS) R3915284-4 04/20/23 02:28 • (MSD) R3915284-5 04/20/23 02:49

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	45.5	U	18.7	23.5	41.1	51.6	1	20.0-120			22.7	35
Atrazine	45.5	U	18.1	20.6	39.8	45.3	1	39.0-130			12.9	23

L1604908-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1604908-12 04/20/23 02:07 • (MS) R3915284-4 04/20/23 02:28 • (MSD) R3915284-5 04/20/23 02:49

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	45.5	U	33.5	40.6	73.6	89.2	1	10.0-160			19.2	40
Biphenyl	45.5	U	15.5	18.0	34.1	39.6	1	29.0-120			14.9	33
Bis(2-chlorethoxy)methane	45.5	U	14.3	18.2	31.4	40.0	1	17.0-120			24.0	31
Bis(2-chloroethyl)ether	45.5	U	19.6	23.0	43.1	50.5	1	14.0-120			16.0	33
2,2-Oxybis(1-Chloropropane)	45.5	U	16.6	20.7	36.5	45.5	1	18.0-120			22.0	34
4-Bromophenyl-phenylether	45.5	U	15.6	16.5	34.3	36.3	1	37.0-120	J6	J6	5.61	24
Caprolactam	45.5	U	U	U	0.000	0.000	1	10.0-120	J6	J6	0.000	40
Carbazole	45.5	U	17.1	21.6	37.6	47.5	1	38.0-127	J6	J3	23.3	21
4-Chloroaniline	45.5	U	9.34	7.86	20.5	17.3	1	10.0-120			17.2	31
4-Chlorophenyl-phenylether	45.5	U	17.1	17.9	37.6	39.3	1	36.0-120			4.57	23
3,3-Dichlorobenzidine	91.0	U	U	U	0.000	0.000	1	10.0-134	J6	J6	0.000	30
2,4-Dinitrotoluene	45.5	U	20.9	25.0	45.9	54.9	1	39.0-125			17.9	25
2,6-Dinitrotoluene	45.5	U	17.7	22.8	38.9	50.1	1	36.0-120			25.2	27
Hexachloro-1,3-butadiene	45.5	U	15.7	16.4	34.5	36.0	1	12.0-120			4.36	34
Hexachlorocyclopentadiene	45.5	U	8.93	9.09	19.6	20.0	1	10.0-120			1.78	33
Hexachloroethane	45.5	U	15.5	17.1	34.1	37.6	1	10.0-120			9.82	40
Isophorone	45.5	U	17.5	22.4	38.5	49.2	1	21.0-120			24.6	27
2-Nitroaniline	45.5	U	19.4	23.1	42.6	50.8	1	33.0-120			17.4	27
3-Nitroaniline	45.5	U	13.0	14.0	28.6	30.8	1	20.0-120			7.41	27
4-Nitroaniline	45.5	U	11.0	13.5	24.2	29.7	1	10.0-160			20.4	26
Nitrobenzene	45.5	U	14.3	21.3	31.4	46.8	1	12.0-120		J3	39.3	30
n-Nitrosodiphenylamine	45.5	U	16.9	20.6	37.1	45.3	1	37.0-120			19.7	24
n-Nitrosodi-n-propylamine	45.5	U	19.0	24.2	41.8	53.2	1	16.0-120			24.1	30
Benzylbutyl phthalate	45.5	U	21.2	20.0	46.6	44.0	1	34.0-126			5.83	24
Bis(2-ethylhexyl)phthalate	45.5	U	18.5	14.1	40.7	31.0	1	33.0-126		J3 J6	27.0	25
Di-n-butyl phthalate	45.5	U	19.4	19.1	42.6	42.0	1	35.0-128			1.56	23
Diethyl phthalate	45.5	U	20.3	24.8	44.6	54.5	1	39.0-125			20.0	24
Dimethyl phthalate	45.5	U	18.2	22.6	40.0	49.7	1	37.0-120			21.6	24
Di-n-octyl phthalate	45.5	U	16.9	13.2	37.1	29.0	1	25.0-135			24.6	26
1,2,4,5-Tetrachlorobenzene	45.5	U	19.6	23.0	43.1	50.5	1	19.0-122			16.0	32
4-Chloro-3-methylphenol	45.5	U	20.9	26.7	45.9	58.7	1	26.0-120			24.4	27
2-Chlorophenol	45.5	U	15.8	19.3	34.7	42.4	1	18.0-120			19.9	34
2-Methylphenol	45.5	U	17.4	20.8	38.2	45.7	1	10.0-120			17.8	30
3&4-Methyl Phenol	45.5	U	21.8	25.7	47.9	56.5	1	10.0-120			16.4	36
2,4-Dichlorophenol	45.5	U	17.1	21.7	37.6	47.7	1	19.0-120			23.7	27
2,4-Dimethylphenol	45.5	U	20.1	25.5	44.2	56.0	1	15.0-120			23.7	28
4,6-Dinitro-2-methylphenol	45.5	U	15.9	20.4	34.9	44.8	1	10.0-144			24.8	39
2,4-Dinitrophenol	45.5	U	19.5	24.5	42.9	53.8	1	10.0-120			22.7	40
2-Nitrophenol	45.5	U	15.7	21.3	34.5	46.8	1	20.0-120		J3	30.3	30
4-Nitrophenol	45.5	U	6.38	12.7	14.0	27.9	1	10.0-120		J3	66.2	40

L1604908-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1604908-12 04/20/23 02:07 • (MS) R3915284-4 04/20/23 02:28 • (MSD) R3915284-5 04/20/23 02:49

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	45.5	U	20.5	24.4	45.1	53.6	1	10.0-128			17.4	37
Phenol	45.5	U	12.5	13.5	27.5	29.7	1	10.0-120			7.69	40
2,4,5-Trichlorophenol	45.5	U	19.1	24.1	42.0	53.0	1	33.0-120			23.1	31
2,4,6-Trichlorophenol	45.5	U	14.8	18.8	32.5	41.3	1	26.0-120			23.8	31
(S) 2-Fluorophenol					*24.8*	*27.9*		*10.0-120*				
(S) Phenol-d5					*30.0*	*34.5*		*10.0-120*				
(S) Nitrobenzene-d5					*62.7*	*76.3*		*10.0-127*				
(S) 2-Fluorobiphenyl					*33.5*	*39.5*		*10.0-130*				
(S) 2,4,6-Tribromophenol					*37.5*	*48.4*		*10.0-155*				
(S) p-Terphenyl-d14					*36.2*	*30.7*		*10.0-128*				

Sample Narrative:

OS: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

Method Blank (MB)

(MB) R3915499-2 04/19/23 17:53

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	10.0
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
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0
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

Method Blank (MB)

(MB) R3915499-2 04/19/23 17:53

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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
(S) 2-Fluorophenol	*35.6*			*10.0-120*
(S) Phenol-d5	*20.6*			*10.0-120*
(S) Nitrobenzene-d5	*75.1*			*10.0-127*
(S) 2-Fluorobiphenyl	*81.5*			*10.0-130*
(S) 2,4,6-Tribromophenol	*65.0*			*10.0-155*
(S) p-Terphenyl-d14	*82.5*			*10.0-128*

Laboratory Control Sample (LCS)

(LCS) R3915499-1 04/19/23 17:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetophenone	50.0	43.4	86.8	29.0-120	
Atrazine	50.0	44.7	89.4	39.0-141	
Benzaldehyde	50.0	124	248	10.0-160	J4
Biphenyl	50.0	49.2	98.4	38.0-120	
Bis(2-chlorethoxy)methane	50.0	40.0	80.0	33.0-120	
Bis(2-chloroethyl)ether	50.0	53.7	107	23.0-120	
2,2-Oxybis(1-Chloropropane)	50.0	43.5	87.0	28.0-120	
4-Bromophenyl-phenylether	50.0	46.3	92.6	45.0-120	
Caprolactam	50.0	9.07	18.1	10.0-120	
Carbazole	50.0	52.9	106	51.0-122	
4-Chloroaniline	50.0	20.8	41.6	25.0-120	
4-Chlorophenyl-phenylether	50.0	43.8	87.6	44.0-120	
3,3-Dichlorobenzidine	100	69.8	69.8	44.0-120	
2,4-Dinitrotoluene	50.0	53.2	106	49.0-124	
2,6-Dinitrotoluene	50.0	50.1	100	46.0-120	
Hexachloro-1,3-butadiene	50.0	33.5	67.0	19.0-120	
Hexachlorocyclopentadiene	50.0	23.9	47.8	15.0-120	
Hexachloroethane	50.0	43.3	86.6	15.0-120	
Isophorone	50.0	38.3	76.6	36.0-120	
2-Nitroaniline	50.0	56.8	114	43.0-120	
3-Nitroaniline	50.0	41.6	83.2	38.0-120	

Laboratory Control Sample (LCS)

(LCS) R3915499-1 04/19/23 17:31

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Nitroaniline	50.0	48.6	97.2	18.0-160	
Nitrobenzene	50.0	39.3	78.6	27.0-120	
n-Nitrosodiphenylamine	50.0	50.0	100	47.0-120	
n-Nitrosodi-n-propylamine	50.0	40.7	81.4	31.0-120	
Benzylbutyl phthalate	50.0	63.5	127	43.0-121	J4
Bis(2-ethylhexyl)phthalate	50.0	62.1	124	43.0-122	J4
Di-n-butyl phthalate	50.0	57.3	115	49.0-121	
Diethyl phthalate	50.0	49.8	99.6	48.0-122	
Dimethyl phthalate	50.0	47.5	95.0	48.0-120	
Di-n-octyl phthalate	50.0	64.3	129	42.0-125	J4
1,2,4,5-Tetrachlorobenzene	50.0	38.2	76.4	31.0-121	
4-Chloro-3-methylphenol	50.0	33.5	67.0	40.0-120	
2-Chlorophenol	50.0	37.5	75.0	25.0-120	
2-Methylphenol	50.0	29.0	58.0	28.0-120	
3&4-Methyl Phenol	50.0	30.1	60.2	31.0-120	
2,4-Dichlorophenol	50.0	37.1	74.2	36.0-120	
2,4-Dimethylphenol	50.0	34.3	68.6	33.0-120	
4,6-Dinitro-2-methylphenol	50.0	58.4	117	38.0-138	
2,4-Dinitrophenol	50.0	55.5	111	10.0-120	
2-Nitrophenol	50.0	45.2	90.4	31.0-120	
4-Nitrophenol	50.0	18.1	36.2	10.0-120	
Pentachlorophenol	50.0	39.9	79.8	23.0-120	
Phenol	50.0	14.4	28.8	10.0-120	
2,4,5-Trichlorophenol	50.0	47.0	94.0	44.0-120	
2,4,6-Trichlorophenol	50.0	47.4	94.8	42.0-120	
(S) 2-Fluorophenol			*43.4*	*10.0-120*	
(S) Phenol-d5			*25.3*	*10.0-120*	
(S) Nitrobenzene-d5			*68.8*	*10.0-127*	
(S) 2-Fluorobiphenyl			*91.8*	*10.0-130*	
(S) 2,4,6-Tribromophenol			*85.5*	*10.0-155*	
(S) p-Terphenyl-d14			*96.5*	*10.0-128*	

L1606133-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1606133-01 04/19/23 19:19 • (MS) R3915499-3 04/19/23 19:41 • (MSD) R3915499-4 04/19/23 20:03

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	45.5	U	30.6	30.1	67.3	66.2	1	20.0-120			1.65	35
Atrazine	45.5	U	29.4	27.1	64.6	59.6	1	39.0-130			8.14	23

L1606133-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1606133-01 04/19/23 19:19 • (MS) R3915499-3 04/19/23 19:41 • (MSD) R3915499-4 04/19/23 20:03

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	45.5	U	90.9	87.5	200	192	1	10.0-160	J5	J5	3.81	40
Biphenyl	45.5	U	33.9	34.1	74.5	74.9	1	29.0-120			0.588	33
Bis(2-chlorethoxy)methane	45.5	U	28.2	27.8	62.0	61.1	1	17.0-120			1.43	31
Bis(2-chloroethyl)ether	45.5	U	31.6	30.8	69.5	67.7	1	14.0-120			2.56	33
2,2-Oxybis(1-Chloropropane)	45.5	U	30.1	29.8	66.2	65.5	1	18.0-120			1.00	34
4-Bromophenyl-phenylether	45.5	U	30.3	30.5	66.6	67.0	1	37.0-120			0.658	24
Caprolactam	45.5	U	6.53	6.03	14.4	13.3	1	10.0-120			7.96	40
Carbazole	45.5	U	37.5	35.6	82.4	78.2	1	38.0-127			5.20	21
4-Chloroaniline	45.5	U	3.78	3.71	8.31	8.15	1	10.0-120	J6	J6	1.87	31
4-Chlorophenyl-phenylether	45.5	U	28.9	29.0	63.5	63.7	1	36.0-120			0.345	23
3,3-Dichlorobenzidine	91.0	U	14.9	14.9	16.4	16.4	1	10.0-134			0.000	30
2,4-Dinitrotoluene	45.5	U	37.2	35.1	81.8	77.1	1	39.0-125			5.81	25
2,6-Dinitrotoluene	45.5	U	36.7	35.1	80.7	77.1	1	36.0-120			4.46	27
Hexachloro-1,3-butadiene	45.5	U	23.0	22.5	50.5	49.5	1	12.0-120			2.20	34
Hexachlorocyclopentadiene	45.5	U	17.4	17.9	38.2	39.3	1	10.0-120			2.83	33
Hexachloroethane	45.5	U	30.1	28.9	66.2	63.5	1	10.0-120			4.07	40
Isophorone	45.5	U	27.1	26.6	59.6	58.5	1	21.0-120			1.86	27
2-Nitroaniline	45.5	U	36.2	34.6	79.6	76.0	1	33.0-120			4.52	27
3-Nitroaniline	45.5	U	23.2	21.8	51.0	47.9	1	20.0-120			6.22	27
4-Nitroaniline	45.5	U	28.5	26.3	62.6	57.8	1	10.0-160			8.03	26
Nitrobenzene	45.5	U	30.9	29.8	67.9	65.5	1	12.0-120			3.62	30
n-Nitrosodiphenylamine	45.5	U	30.5	30.5	67.0	67.0	1	37.0-120			0.000	24
n-Nitrosodi-n-propylamine	45.5	U	27.7	27.9	60.9	61.3	1	16.0-120			0.719	30
Benzylbutyl phthalate	45.5	U	40.8	41.1	89.7	90.3	1	34.0-126			0.733	24
Bis(2-ethylhexyl)phthalate	45.5	U	32.8	34.7	72.1	76.3	1	33.0-126			5.63	25
Di-n-butyl phthalate	45.5	U	37.6	37.0	82.6	81.3	1	35.0-128			1.61	23
Diethyl phthalate	45.5	U	35.2	33.4	77.4	73.4	1	39.0-125			5.25	24
Dimethyl phthalate	45.5	U	31.1	30.4	68.4	66.8	1	37.0-120			2.28	24
Di-n-octyl phthalate	45.5	U	33.8	35.5	74.3	78.0	1	25.0-135			4.91	26
1,2,4,5-Tetrachlorobenzene	45.5	U	26.6	26.6	58.5	58.5	1	19.0-122			0.000	32
4-Chloro-3-methylphenol	45.5	U	18.0	18.0	39.6	39.6	1	26.0-120			0.000	27
2-Chlorophenol	45.5	U	20.4	20.1	44.8	44.2	1	18.0-120			1.48	34
2-Methylphenol	45.5	U	16.4	16.3	36.0	35.8	1	10.0-120			0.612	30
3&4-Methyl Phenol	45.5	U	17.5	17.4	38.5	38.2	1	10.0-120			0.573	36
2,4-Dichlorophenol	45.5	U	19.5	19.4	42.9	42.6	1	19.0-120			0.514	27
2,4-Dimethylphenol	45.5	U	19.1	19.1	42.0	42.0	1	15.0-120			0.000	28
4,6-Dinitro-2-methylphenol	45.5	U	34.7	34.5	76.3	75.8	1	10.0-144			0.578	39
2,4-Dinitrophenol	45.5	U	31.8	31.5	69.9	69.2	1	10.0-120			0.948	40
2-Nitrophenol	45.5	U	25.9	25.6	56.9	56.3	1	20.0-120			1.17	30
4-Nitrophenol	45.5	U	11.3	11.0	24.8	24.2	1	10.0-120			2.69	40

L1606133-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1606133-01 04/19/23 19:19 • (MS) R3915499-3 04/19/23 19:41 • (MSD) R3915499-4 04/19/23 20:03

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	45.5	U	24.8	24.5	54.5	53.8	1	10.0-128			1.22	37
Phenol	45.5	U	9.99	9.45	22.0	20.8	1	10.0-120			5.56	40
2,4,5-Trichlorophenol	45.5	U	23.6	23.7	51.9	52.1	1	33.0-120			0.423	31
2,4,6-Trichlorophenol	45.5	U	24.5	24.8	53.8	54.5	1	26.0-120			1.22	31
(S) 2-Fluorophenol					*30.4*	*29.8*		*10.0-120*				
(S) Phenol-d5					*18.7*	*18.6*		*10.0-120*				
(S) Nitrobenzene-d5					*55.7*	*55.2*		*10.0-127*				
(S) 2-Fluorobiphenyl					*70.2*	*70.4*		*10.0-130*				
(S) 2,4,6-Tribromophenol					*52.1*	*53.1*		*10.0-155*				
(S) p-Terphenyl-d14					*51.5*	*53.8*		*10.0-128*				

Method Blank (MB)

(MB) R3914326-3 04/18/23 04:00

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
Dibenzofuran	U		0.0191	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
(S) Nitrobenzene-d5	*84.0*			*31.0-160*
(S) 2-Fluorobiphenyl	*95.5*			*48.0-148*
(S) p-Terphenyl-d14	*91.0*			*37.0-146*

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

(LCS) R3914326-1 04/18/23 03:25 • (LCSD) R3914326-2 04/18/23 03:42

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 %
Anthracene	2.00	1.74	1.77	87.0	88.5	67.0-150			1.71	20
Acenaphthene	2.00	1.80	1.83	90.0	91.5	65.0-138			1.65	20
Acenaphthylene	2.00	1.76	1.78	88.0	89.0	66.0-140			1.13	20
Benzo(a)anthracene	2.00	1.64	1.72	82.0	86.0	61.0-140			4.76	20
Benzo(a)pyrene	2.00	1.72	1.87	86.0	93.5	60.0-143			8.36	20
Benzo(b)fluoranthene	2.00	1.61	1.78	80.5	89.0	58.0-141			10.0	20
Benzo(g,h,i)perylene	2.00	1.61	1.79	80.5	89.5	52.0-153			10.6	20
Benzo(k)fluoranthene	2.00	1.57	1.71	78.5	85.5	58.0-148			8.54	20
Chrysene	2.00	1.72	1.86	86.0	93.0	64.0-144			7.82	20

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

(LCS) R3914326-1 04/18/23 03:25 • (LCSD) R3914326-2 04/18/23 03:42

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	1.50	1.67	75.0	83.5	52.0-155			10.7	20
Dibenzofuran	2.00	1.86	1.91	93.0	95.5	67.0-134			2.65	20
Fluoranthene	2.00	1.98	2.01	99.0	100	69.0-153			1.50	20
Fluorene	2.00	1.85	1.88	92.5	94.0	64.0-136			1.61	20
Hexachlorobenzene	2.00	1.97	2.07	98.5	104	40.0-140			4.95	20
Indeno(1,2,3-cd)pyrene	2.00	1.47	1.65	73.5	82.5	54.0-153			11.5	20
Naphthalene	2.00	1.83	1.85	91.5	92.5	61.0-137			1.09	20
Phenanthrene	2.00	1.80	1.80	90.0	90.0	62.0-137			0.000	20
Pyrene	2.00	1.96	1.97	98.0	98.5	60.0-142			0.509	20
1-Methylnaphthalene	2.00	1.84	1.87	92.0	93.5	66.0-142			1.62	20
2-Methylnaphthalene	2.00	1.89	1.93	94.5	96.5	62.0-136			2.09	20
2-Chloronaphthalene	2.00	1.79	1.85	89.5	92.5	64.0-140			3.30	20
(S) Nitrobenzene-d5				*84.0*	*85.0*	*31.0-160*				
(S) 2-Fluorobiphenyl				*91.5*	*91.0*	*48.0-148*				
(S) p-Terphenyl-d14				*79.5*	*85.5*	*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.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
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.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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.

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: **Max Mansilla**

Email To: **edward.meyer@arcadis.com;maxwell.mansilla**

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

City/State Collected: **Fiskill, NY**

Please Circle: PT MT CT (ET)

Phone: **908-380-7457**

Client Project # **30064362.19.45**

Lab Project # **CHEVARCNY-BEACON**

Collected by (print): **Shekhar Gahlot**

Site/Facility ID # **PMG00037**

P.O. #

Collected by (signature): SG

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 ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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 # L1605860
C237

Acctnum: **CHEVARCNY**
Template: **T166593**
Prelogin: **P992415**
PM: **526 - Chris McCord**
PB: BW 4/10
Shipped Via: **FedEX Priority**

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-230412	G	GW	—	4/12/23	1204	11		X	X	X	X	X						-01
OS-3-W-230412	G	GW	—	4/12/23	1259	11		X	X	X	X	X						-02
OR-2-W-230412	G	GW	—	4/12/23	1411	11		X	X	X	X	X						-03
OR-3-W-230413	G	GW	—	4/13/23	1046	11		X	X	X	X	X						-04
DB-17-W-230413	G	GW	—	4/13/23	1215	13	X	X	X	X	X	X						-05
DB-8A-W-230413	G	GW	—	4/13/23	1313	13	X	X	X	X	X	X						-06
DC-2-W-230413	G	GW	—	4/13/23	1417	11		X	X	X	X	X						-07
DC-1-W-230414	G	GW	—	4/14/23	0920	11		X	X	X	X	X						-08
TF-23-W-230414	G	GW	—	4/14/23	1027	11		X	X	X	X	X						-09
TF-5-W-230414	G	GW	—	4/14/23		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)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
SG	4/14/23	1400		2 ✓	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 169	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4.5.23 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:
Max Mansilla

Email To:
edward.meyer@arcadis.com;maxwell.mansilla

Project Description:
Pod 4 - Beacon PMG00037

City/State Collected: Fishkill, NY

Please Circle: PT MT CT (ET)

Phone: **908-380-7457**

Client Project #
30064362.19.45

Lab Project #
CHEVARCNY-BEACON

Collected by (print):
Shekhar Gahlod

Site/Facility ID #
PMG00037

P.O. #

Collected by (signature):
SG

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 ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
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 # L1605860

Table #

Acctnum: **CHEVARCNY**
Template: **T166593**
Prelogin: **P992415**
PM: **526 - Chris McCord**
PB: BW 4/10

Shipped Via: **FedEX Priority**

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-230412	G	GW	-	4/12/23	-	11		X	X	X	X	X					-11
EB-W-230412	G	GW	-	4/12/23	1500	11		X	X	X	X	X					-12
EB-W-230413	G	GW	-	4/13/23	1500	11		X	X	X	X	X					-13
EB-W-230414	G	GW	-	4/14/23	1300	11		X	X	X	X	X					MM-15
QA-MS-W-230413	G	GW	-	4/13/23	1046	11		X	X	X	X	X					
QA-MSD-W-230413	G	GW	-	4/13/23	1046	11		X	X	X	X	X					
		GW				11		X	X	X	X	X					
TB-W-		GW				1							X				
TB-W-		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: ✓ __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
SG	4/14/23	1400		2 ✓	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 169	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4.15.23 Time: 0900	Hold: / Condition: NCF / OK

Tracking Numbers	Temperature
6426 8302 1817	1.4+0=
6426 8302 1806	5.2+0=
6426 8302 1791	3.1+0=

ANALYTICAL REPORT

November 16, 2023

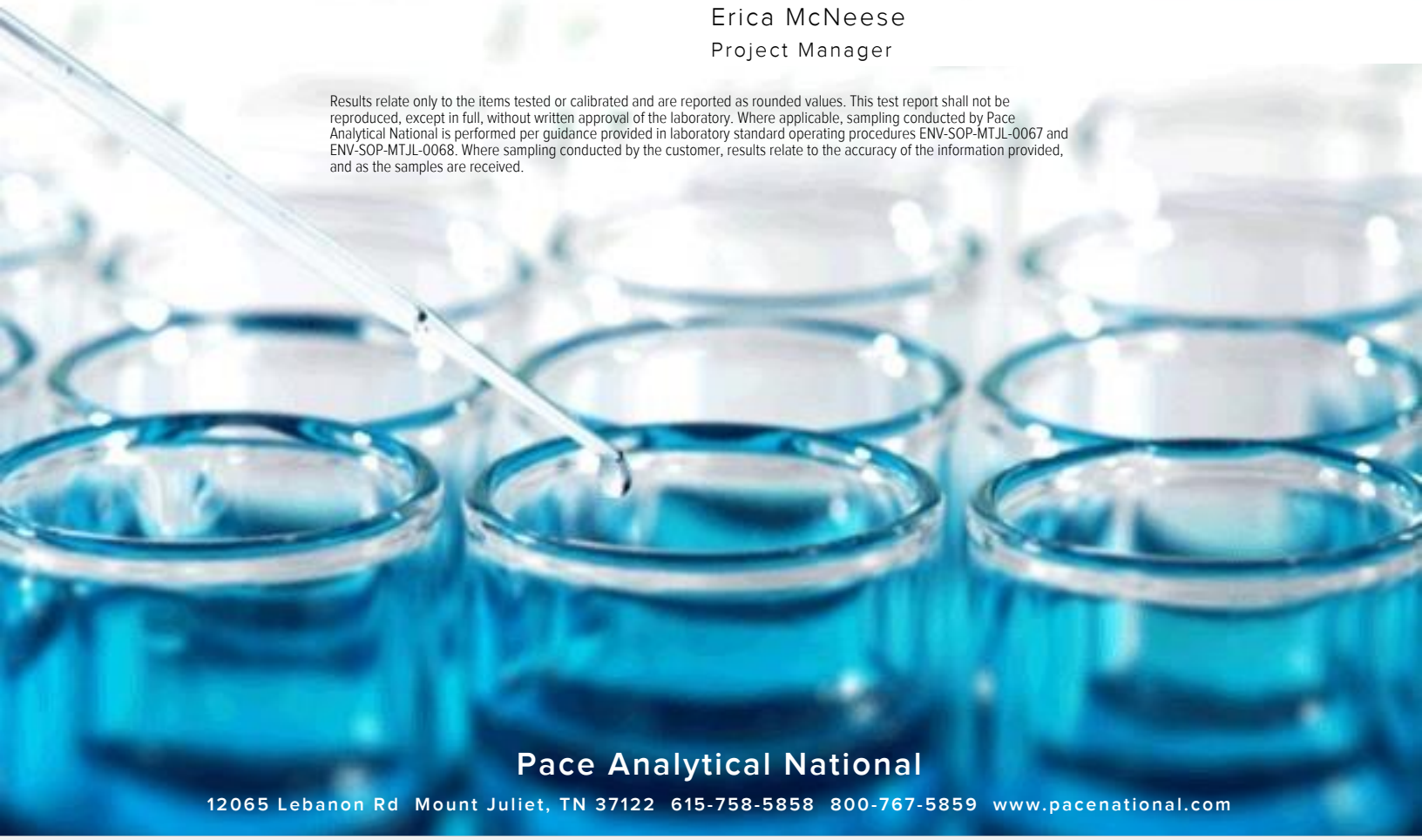
Arcadis - Chevron - NY

Sample Delivery Group:	L1671446
Samples Received:	10/28/2023
Project Number:	30064362.19.45
Description:	Pod 4 - Beacon PMG00037
Site:	PMG00037
Report To:	Max Mansilla 50 Millstone Rd. Bldg 200, Suite 220 East Windsor, NJ 08520

Entire Report Reviewed By: Erica McNeese

Erica McNeese
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-231025 L1671446-01 GW

Collected by | Collected date/time 10/25/23 12:53 | Received date/time 10/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2162517	1	11/05/23 23:03	11/07/23 10:52	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2160512	1	11/01/23 15:16	11/01/23 15:16	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2162809	1	11/02/23 04:27	11/02/23 04:27	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2161005	1	11/01/23 12:04	11/02/23 00:12	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2161005	1	11/01/23 12:04	11/08/23 20:42	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2161001	1	10/31/23 16:06	11/01/23 02:22	AMM	Mt. Juliet, TN

OS-3-W-231025 L1671446-02 GW

Collected by | Collected date/time 10/25/23 13:25 | Received date/time 10/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2162517	1	11/05/23 23:03	11/07/23 12:09	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2160512	1	11/01/23 15:40	11/01/23 15:40	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2164397	1	11/04/23 08:50	11/04/23 08:50	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2161005	1	11/01/23 12:04	11/02/23 00:33	DSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2161001	1	10/31/23 16:06	11/01/23 02:39	AMM	Mt. Juliet, TN

DB-17-W-231026 L1671446-03 GW

Collected by | Collected date/time 10/26/23 10:05 | Received date/time 10/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2162517	1	11/05/23 23:03	11/07/23 12:12	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2160512	1	11/01/23 16:04	11/01/23 16:04	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2162809	1	11/02/23 04:47	11/02/23 04:47	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod	WG2160135	1	10/31/23 22:07	11/02/23 02:13	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2161902	1	11/01/23 16:33	11/03/23 04:18	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2161926	1	11/01/23 09:26	11/02/23 01:56	DSH	Mt. Juliet, TN

DB-8A-W-231026 L1671446-04 GW

Collected by | Collected date/time 10/26/23 11:25 | Received date/time 10/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2162517	1	11/05/23 23:03	11/07/23 10:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2163024	1	11/02/23 11:02	11/02/23 11:02	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2162809	1	11/02/23 05:06	11/02/23 05:06	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod	WG2160135	1	10/31/23 22:07	11/01/23 23:02	MBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2161902	1	11/01/23 16:33	11/03/23 04:39	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2161926	1	11/01/23 09:26	11/02/23 02:13	DSH	Mt. Juliet, TN

DC-2-W-231026 L1671446-05 GW

Collected by | Collected date/time 10/26/23 13:20 | Received date/time 10/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2162517	1	11/05/23 23:03	11/07/23 12:15	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2160512	1	11/01/23 16:52	11/01/23 16:52	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2162809	1	11/02/23 05:25	11/02/23 05:25	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2161902	1	11/01/23 16:33	11/03/23 05:41	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2161926	1	11/01/23 09:26	11/02/23 03:06	DSH	Mt. Juliet, TN

DC-1-W-231026 L1671446-06 GW

Collected by | Collected date/time 10/26/23 12:10 | Received date/time 10/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2162517	1	11/05/23 23:03	11/07/23 12:19	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2160512	1	11/01/23 17:16	11/01/23 17:16	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2162809	1	11/02/23 05:44	11/02/23 05:44	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2161902	1	11/01/23 16:33	11/03/23 06:02	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2161926	1	11/01/23 09:26	11/02/23 03:24	DSH	Mt. Juliet, TN

TF-23-W-231026 L1671446-07 GW

Collected by | Collected date/time 10/26/23 14:40 | Received date/time 10/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2162517	1	11/05/23 23:03	11/07/23 12:22	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2160512	1	11/01/23 17:40	11/01/23 17:40	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2162809	1	11/02/23 06:03	11/02/23 06:03	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2161902	1	11/01/23 16:33	11/03/23 06:23	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2161926	1	11/01/23 09:26	11/02/23 03:41	DSH	Mt. Juliet, TN

TF-5-W-231026 L1671446-08 GW

Collected by | Collected date/time 10/26/23 15:00 | Received date/time 10/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2162517	1	11/05/23 23:03	11/07/23 12:25	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2160512	1	11/01/23 18:04	11/01/23 18:04	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2162809	1	11/02/23 06:22	11/02/23 06:22	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2161902	1	11/01/23 16:33	11/03/23 06:44	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2161927	1	11/02/23 20:09	11/03/23 01:53	ALM	Mt. Juliet, TN

BD-W-231026 L1671446-10 GW

Collected by | Collected date/time 10/26/23 00:00 | Received date/time 10/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2162517	1	11/05/23 23:03	11/07/23 12:29	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2160512	1	11/01/23 18:28	11/01/23 18:28	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2162809	1	11/02/23 06:41	11/02/23 06:41	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2161902	1	11/01/23 16:33	11/03/23 07:04	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2161926	1	11/01/23 09:26	11/02/23 03:59	DSH	Mt. Juliet, TN

TB-W-231027 L1671446-13 GW

Collected by | Collected date/time 10/27/23 00:00 | Received date/time 10/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2162809	1	11/02/23 02:15	11/02/23 02:15	JBE	Mt. Juliet, TN

OR-2-W-231027 L1671446-15 GW

Collected by | Collected date/time 10/25/23 10:50 | Received date/time 10/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2162517	1	11/05/23 23:03	11/07/23 12:32	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2160512	1	11/01/23 18:52	11/01/23 18:52	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2162809	1	11/02/23 07:00	11/02/23 07:00	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2161005	1	11/01/23 12:04	11/02/23 00:54	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2161005	1	11/01/23 12:04	11/08/23 21:04	AGW	Mt. Juliet, TN

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

OR-2-W-231027 L1671446-15 GW

Collected by	Collected date/time	Received date/time
	10/25/23 10:50	10/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2161001	1	10/31/23 16:06	11/01/23 02:57	AMM	Mt. Juliet, TN

OR-3-W-231027 L1671446-16 GW

Collected by	Collected date/time	Received date/time
	10/27/23 12:20	10/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2162517	1	11/05/23 23:03	11/07/23 12:35	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2160512	1	11/01/23 19:16	11/01/23 19:16	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2162809	1	11/02/23 07:19	11/02/23 07:19	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2162860	1	11/03/23 11:55	11/04/23 02:22	JNJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2162860	1	11/03/23 11:55	11/08/23 01:19	CLG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2161927	1	11/02/23 20:09	11/03/23 02:10	ALM	Mt. Juliet, TN

EB-W-231027 L1671446-17 GW

Collected by	Collected date/time	Received date/time
	10/27/23 14:00	10/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2162517	1	11/05/23 23:03	11/07/23 12:39	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2160512	1	11/01/23 19:40	11/01/23 19:40	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2162809	1	11/02/23 07:38	11/02/23 07:38	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2162860	1	11/03/23 11:55	11/04/23 02:43	JNJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2162860	1	11/03/23 11:55	11/08/23 01:40	CLG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2161927	1	11/02/23 20:09	11/03/23 02:28	ALM	Mt. Juliet, TN

EB-W-231025 L1671446-18 GW

Collected by	Collected date/time	Received date/time
	10/25/23 14:30	10/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2162517	1	11/05/23 23:03	11/07/23 12:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2160512	1	11/01/23 20:04	11/01/23 20:04	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2162809	1	11/02/23 07:57	11/02/23 07:57	JBE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2161005	1	11/01/23 12:04	11/02/23 01:15	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2161005	1	11/01/23 12:04	11/08/23 21:25	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2161001	1	10/31/23 16:06	11/01/23 03:14	AMM	Mt. Juliet, TN

EB-W-231026 L1671446-19 GW

Collected by	Collected date/time	Received date/time
	10/26/23 15:00	10/28/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG2162517	1	11/05/23 23:03	11/07/23 12:57	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG2160512	1	11/01/23 20:28	11/01/23 20:28	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG2164041	1	11/03/23 14:14	11/03/23 14:14	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2161005	1	11/01/23 12:04	11/02/23 01:36	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG2161005	1	11/01/23 12:04	11/08/23 21:46	AGW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG2161001	1	10/31/23 16:06	11/01/23 03:32	AMM	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.



Erica McNeese
Project Manager

Sample Delivery Group (SDG) Narrative

2-chloroethylvinyl ether degrades under acidic conditions. Associated results were performed from an acid-preserved sample. Compound results not determined.

Batch	Method	Lab Sample ID
WG2164041	8260C	L1671446-19

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
WG2162809	L1671446-01	1,2,3-Trichlorobenzene, Bromomethane, Carbon disulfide, Chloroethane, Naphthalene and Vinyl acetate
WG2162809	L1671446-03	1,2,3-Trichlorobenzene, Bromomethane, Carbon disulfide, Chloroethane, Naphthalene and Vinyl acetate
WG2162809	L1671446-04	1,2,3-Trichlorobenzene, Bromomethane, Carbon disulfide, Chloroethane, Naphthalene and Vinyl acetate
WG2162809	L1671446-05	1,2,3-Trichlorobenzene, Bromomethane, Carbon disulfide, Chloroethane, Naphthalene and Vinyl acetate
WG2162809	L1671446-06	1,2,3-Trichlorobenzene, Bromomethane, Carbon disulfide, Chloroethane, Naphthalene and Vinyl acetate
WG2162809	L1671446-07	1,2,3-Trichlorobenzene, Bromomethane, Carbon disulfide, Chloroethane, Naphthalene and Vinyl acetate
WG2162809	L1671446-08	1,2,3-Trichlorobenzene, Bromomethane, Carbon disulfide, Chloroethane, Naphthalene and Vinyl acetate
WG2162809	L1671446-10	1,2,3-Trichlorobenzene, Bromomethane, Carbon disulfide, Chloroethane, Naphthalene and Vinyl acetate
WG2162809	L1671446-13	1,2,3-Trichlorobenzene, Bromomethane, Carbon disulfide, Chloroethane, Naphthalene and Vinyl acetate
WG2162809	L1671446-15	1,2,3-Trichlorobenzene, Bromomethane, Carbon disulfide, Chloroethane, Naphthalene and Vinyl acetate
WG2162809	L1671446-16	1,2,3-Trichlorobenzene, Bromomethane, Carbon disulfide, Chloroethane, Naphthalene and Vinyl acetate
WG2162809	L1671446-17	1,2,3-Trichlorobenzene, Bromomethane, Carbon disulfide, Chloroethane, Naphthalene and Vinyl acetate
WG2162809	L1671446-18	1,2,3-Trichlorobenzene, Bromomethane, Carbon disulfide, Chloroethane, Naphthalene and Vinyl acetate
WG2164041	L1671446-19	Acetone
WG2164397	L1671446-02	2-Butanone (MEK), Acetone and Vinyl acetate

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

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

Batch	Lab Sample ID	Analytes
WG2160512	(LCS) R3994320-1, L1671446-01, 02, 03, 05, 06, 07, 08, 10, 15, 16, 17, 18, 19	1,2-Dibromo-3-chloropropane
WG2162809	(LCSD) R3994711-2, L1671446-01, 03, 04, 05, 06, 07, 08, 10, 13, 15, 16, 17, 18	1,1,1,2-Tetrachloroethane, 1,2-Dichlorobenzene and Chlorodibromomethane
WG2164397	(LCSD) R3996627-2, L1671446-02	Vinyl chloride

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

Batch	Lab Sample ID	Analytes
WG2164397	(LCSD) R3996627-2, L1671446-02	2-Butanone (MEK) and Vinyl acetate

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

Batch	Lab Sample ID	Analytes
WG2163024	(MS) R3994543-3, L1671446-04	1,2-Dibromo-3-chloropropane
WG2164041	(MS) R3995546-4	Bromomethane

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

Batch	Lab Sample ID	Analytes
WG2164041	(MS) R3995546-4, (MSD) R3995546-5	2-Chloroethyl vinyl ether

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

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

Batch	Analyte	Lab Sample ID
WG2161902	Phenol-d5	(MS) R3998195-1

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2161902	2,4-Dimethylphenol	L1671446-03, 04, 05, 06, 07

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

Batch	Lab Sample ID	Analytes
WG2161005	(LCS) R3996105-1, L1671446-01, 02, 15, 18, 19	4-Nitrophenol and Benzaldehyde
WG2161902	(LCS) R3995228-1, L1671446-03, 04, 05, 06, 07, 08, 10	Benzaldehyde
WG2162860	(LCS) R3996066-1, L1671446-16, 17	2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol and Benzaldehyde

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

Batch	Lab Sample ID	Analytes
WG2161902	(LCS) R3995228-1, L1671446-03, 04, 05, 06, 07, 08, 10	3,3-Dichlorobenzidine

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

Batch	Lab Sample ID	Analytes
WG2161005	(MS) R3996105-3, (MSD) R3996105-4	3,3-Dichlorobenzidine
WG2161902	(MS) R3998195-1, (MSD) R3998195-2, (MSD) R3995228-4, L1671446-04	2,4,5-Trichlorophenol, 3,3-Dichlorobenzidine, 4-Chloro-3-methylphenol and Bis(2-ethylhexyl)phthalate
WG2162860	(MS) R3996066-3, (MSD) R3996066-4	3,3-Dichlorobenzidine

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

Batch	Lab Sample ID	Analytes
WG2161005	(MS) R3996105-3, (MSD) R3996105-4	4-Nitrophenol and Benzaldehyde
WG2161902	(MSD) R3995228-4, L1671446-04	Benzaldehyde
WG2162860	(MS) R3996066-3, (MSD) R3996066-4	2,4-Dinitrophenol

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
WG2161902	(MSD) R3998195-2, (MSD) R3995228-4, L1671446-04	36 analytes
WG2162860	(MSD) R3996066-4	3,3-Dichlorobenzidine

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

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG2161001	Phenanthrene	L1671446-01, 02, 15, 18

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

Batch	Lab Sample ID	Analytes
WG2161926	(MSD) R3995064-4, (MSD) R3995064-6, L1671446-04	21 analytes

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	11/07/2023 10:52	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 15:16	WG2160512
Acetone	U		11.3	25.0	1	11/02/2023 04:27	WG2162809
Acrylonitrile	U		0.671	5.00	1	11/02/2023 04:27	WG2162809
Benzene	U		0.0941	0.500	1	11/02/2023 04:27	WG2162809
Bromobenzene	U		0.118	0.500	1	11/02/2023 04:27	WG2162809
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 04:27	WG2162809
Bromochloromethane	U		0.128	0.500	1	11/02/2023 04:27	WG2162809
Bromoform	U		0.129	0.500	1	11/02/2023 04:27	WG2162809
Bromomethane	U	C3	0.605	2.50	1	11/02/2023 04:27	WG2162809
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 04:27	WG2162809
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 04:27	WG2162809
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 04:27	WG2162809
Carbon disulfide	U	C3	0.0962	0.500	1	11/02/2023 04:27	WG2162809
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 04:27	WG2162809
Chlorobenzene	U		0.117	0.500	1	11/02/2023 04:27	WG2162809
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 04:27	WG2162809
Chloroethane	U	C3	0.192	2.50	1	11/02/2023 04:27	WG2162809
2-Chloroethyl vinyl ether	U		0.575	50.0	1	11/02/2023 04:27	WG2162809
Chloroform	U		0.111	0.500	1	11/02/2023 04:27	WG2162809
Chloromethane	U		0.960	1.25	1	11/02/2023 04:27	WG2162809
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 04:27	WG2162809
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 04:27	WG2162809
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/02/2023 04:27	WG2162809
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 04:27	WG2162809
Dibromomethane	U		0.122	0.500	1	11/02/2023 04:27	WG2162809
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 04:27	WG2162809
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 04:27	WG2162809
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 04:27	WG2162809
Dichlorodifluoromethane	U		0.374	2.50	1	11/02/2023 04:27	WG2162809
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 04:27	WG2162809
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 04:27	WG2162809
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 04:27	WG2162809
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 04:27	WG2162809
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 04:27	WG2162809
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 04:27	WG2162809
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 04:27	WG2162809
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 04:27	WG2162809
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 04:27	WG2162809
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 04:27	WG2162809
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 04:27	WG2162809
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 04:27	WG2162809
Di-isopropyl ether	U		0.105	0.500	1	11/02/2023 04:27	WG2162809
Ethylbenzene	U		0.137	0.500	1	11/02/2023 04:27	WG2162809
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 04:27	WG2162809
2-Hexanone	U		0.787	5.00	1	11/02/2023 04:27	WG2162809
n-Hexane	U		0.749	5.00	1	11/02/2023 04:27	WG2162809
Iodomethane	U		0.554	5.00	1	11/02/2023 04:27	WG2162809
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 04:27	WG2162809
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 04:27	WG2162809
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 04:27	WG2162809

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	11/02/2023 04:27	WG2162809
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/02/2023 04:27	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 04:27	WG2162809
Naphthalene	U	C3	0.174	2.50	1	11/02/2023 04:27	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 04:27	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 04:27	WG2162809
1,1,1,2-Tetrachloroethane	U	J4	0.147	0.500	1	11/02/2023 04:27	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 04:27	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 04:27	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 04:27	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 04:27	WG2162809
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	11/02/2023 04:27	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 04:27	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 04:27	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 04:27	WG2162809
Trichloroethene	U		0.190	0.500	1	11/02/2023 04:27	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 04:27	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 04:27	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 04:27	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 04:27	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 04:27	WG2162809
Vinyl acetate	U	C3	0.692	5.00	1	11/02/2023 04:27	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 04:27	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 04:27	WG2162809
(S) Toluene-d8	*106*			*80.0-120*		*11/02/2023 04:27*	WG2162809
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*11/02/2023 04:27*	WG2162809
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*11/02/2023 04:27*	WG2162809

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	11/02/2023 00:12	WG2161005
Atrazine	U		0.255	10.0	1	11/02/2023 00:12	WG2161005
Benzaldehyde	U	J4	1.69	10.0	1	11/02/2023 00:12	WG2161005
Biphenyl	U		0.790	10.0	1	11/02/2023 00:12	WG2161005
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/02/2023 00:12	WG2161005
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/02/2023 00:12	WG2161005
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/02/2023 00:12	WG2161005
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/02/2023 00:12	WG2161005
Caprolactam	U		0.309	10.0	1	11/02/2023 00:12	WG2161005
Carbazole	U		0.111	10.0	1	11/02/2023 00:12	WG2161005
4-Chloroaniline	U		0.234	5.00	1	11/02/2023 00:12	WG2161005
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/02/2023 00:12	WG2161005
3,3-Dichlorobenzidine	U		0.212	10.0	1	11/02/2023 00:12	WG2161005
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/08/2023 20:42	WG2161005
2,6-Dinitrotoluene	U		0.250	5.00	1	11/02/2023 00:12	WG2161005
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/02/2023 00:12	WG2161005
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/02/2023 00:12	WG2161005
Hexachloroethane	U		0.127	5.00	1	11/02/2023 00:12	WG2161005
Isophorone	U		0.143	10.0	1	11/02/2023 00:12	WG2161005
2-Nitroaniline	U		0.102	10.0	1	11/02/2023 00:12	WG2161005
3-Nitroaniline	U		0.0869	5.00	1	11/02/2023 00:12	WG2161005
4-Nitroaniline	U		0.0910	5.00	1	11/02/2023 00:12	WG2161005
Nitrobenzene	U		0.297	10.0	1	11/02/2023 00:12	WG2161005
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/02/2023 00:12	WG2161005
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/02/2023 00:12	WG2161005

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	11/02/2023 00:12	WG2161005
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/02/2023 00:12	WG2161005
Di-n-butyl phthalate	U		0.453	3.00	1	11/02/2023 00:12	WG2161005
Diethyl phthalate	U		0.287	3.00	1	11/02/2023 00:12	WG2161005
Dimethyl phthalate	U		0.260	3.00	1	11/02/2023 00:12	WG2161005
Di-n-octyl phthalate	U		0.932	3.00	1	11/02/2023 00:12	WG2161005
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/02/2023 00:12	WG2161005
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/02/2023 00:12	WG2161005
2-Chlorophenol	U		0.133	1.00	1	11/02/2023 00:12	WG2161005
2-Methylphenol	U		0.0929	1.00	1	11/02/2023 00:12	WG2161005
3&4-Methyl Phenol	U		0.168	1.00	1	11/02/2023 00:12	WG2161005
2,4-Dichlorophenol	U		0.102	5.00	1	11/02/2023 00:12	WG2161005
2,4-Dimethylphenol	U		0.0636	10.0	1	11/02/2023 00:12	WG2161005
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	11/02/2023 00:12	WG2161005
2,4-Dinitrophenol	U		5.93	10.0	1	11/02/2023 00:12	WG2161005
2-Nitrophenol	U		0.117	10.0	1	11/02/2023 00:12	WG2161005
4-Nitrophenol	U	J4	0.143	10.0	1	11/02/2023 00:12	WG2161005
Pentachlorophenol	U		0.313	1.00	1	11/02/2023 00:12	WG2161005
Phenol	U		4.33	10.0	1	11/02/2023 00:12	WG2161005
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/02/2023 00:12	WG2161005
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/02/2023 00:12	WG2161005
(S) 2-Fluorophenol	*33.0*			*10.0-120*		*11/08/2023 20:42*	WG2161005
(S) 2-Fluorophenol	*36.3*			*10.0-120*		*11/02/2023 00:12*	WG2161005
(S) Phenol-d5	*21.8*			*10.0-120*		*11/08/2023 20:42*	WG2161005
(S) Phenol-d5	*23.0*			*10.0-120*		*11/02/2023 00:12*	WG2161005
(S) Nitrobenzene-d5	*82.0*			*10.0-127*		*11/08/2023 20:42*	WG2161005
(S) Nitrobenzene-d5	*73.7*			*10.0-127*		*11/02/2023 00:12*	WG2161005
(S) 2-Fluorobiphenyl	*72.9*			*10.0-130*		*11/08/2023 20:42*	WG2161005
(S) 2-Fluorobiphenyl	*71.6*			*10.0-130*		*11/02/2023 00:12*	WG2161005
(S) 2,4,6-Tribromophenol	*74.2*			*10.0-155*		*11/08/2023 20:42*	WG2161005
(S) 2,4,6-Tribromophenol	*72.6*			*10.0-155*		*11/02/2023 00:12*	WG2161005
(S) p-Terphenyl-d14	*91.6*			*10.0-128*		*11/08/2023 20:42*	WG2161005
(S) p-Terphenyl-d14	*81.4*			*10.0-128*		*11/02/2023 00:12*	WG2161005

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	11/01/2023 02:22	WG2161001
Acenaphthene	U		0.0190	0.0500	1	11/01/2023 02:22	WG2161001
Acenaphthylene	U		0.0171	0.0500	1	11/01/2023 02:22	WG2161001
Benzo(a)anthracene	U		0.0203	0.0500	1	11/01/2023 02:22	WG2161001
Benzo(a)pyrene	U		0.0184	0.0500	1	11/01/2023 02:22	WG2161001
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/01/2023 02:22	WG2161001
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/01/2023 02:22	WG2161001
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/01/2023 02:22	WG2161001
Chrysene	U		0.0179	0.0500	1	11/01/2023 02:22	WG2161001
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/01/2023 02:22	WG2161001
Dibenzofuran	U		0.0191	0.0500	1	11/01/2023 02:22	WG2161001
Fluoranthene	U		0.0270	0.100	1	11/01/2023 02:22	WG2161001
Fluorene	U		0.0169	0.0500	1	11/01/2023 02:22	WG2161001
Hexachlorobenzene	U		0.00670	0.0500	1	11/01/2023 02:22	WG2161001
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/01/2023 02:22	WG2161001
Naphthalene	U		0.0917	0.250	1	11/01/2023 02:22	WG2161001
Phenanthrene	0.0199	B J	0.0180	0.0500	1	11/01/2023 02:22	WG2161001
Pyrene	U		0.0169	0.0500	1	11/01/2023 02:22	WG2161001
1-Methylnaphthalene	U		0.0687	0.250	1	11/01/2023 02:22	WG2161001

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	11/01/2023 02:22	WG2161001
2-Chloronaphthalene	U		0.0682	0.250	1	11/01/2023 02:22	WG2161001
(S) Nitrobenzene-d5	*101*			*31.0-160*		*11/01/2023 02:22*	WG2161001
(S) 2-Fluorobiphenyl	*102*			*48.0-148*		*11/01/2023 02:22*	WG2161001
(S) p-Terphenyl-d14	*97.4*			*37.0-146*		*11/01/2023 02:22*	WG2161001

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	11/07/2023 12:09	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 15:40	WG2160512
Acetone	U	C3	11.3	25.0	1	11/04/2023 08:50	WG2164397
Acrylonitrile	U		0.671	5.00	1	11/04/2023 08:50	WG2164397
Benzene	U		0.0941	0.500	1	11/04/2023 08:50	WG2164397
Bromobenzene	U		0.118	0.500	1	11/04/2023 08:50	WG2164397
Bromodichloromethane	U		0.136	0.500	1	11/04/2023 08:50	WG2164397
Bromochloromethane	U		0.128	0.500	1	11/04/2023 08:50	WG2164397
Bromoform	U		0.129	0.500	1	11/04/2023 08:50	WG2164397
Bromomethane	U		0.605	2.50	1	11/04/2023 08:50	WG2164397
n-Butylbenzene	U		0.157	0.500	1	11/04/2023 08:50	WG2164397
sec-Butylbenzene	U		0.125	0.500	1	11/04/2023 08:50	WG2164397
tert-Butylbenzene	U		0.127	0.500	1	11/04/2023 08:50	WG2164397
Carbon disulfide	U		0.0962	0.500	1	11/04/2023 08:50	WG2164397
Carbon tetrachloride	U		0.128	0.500	1	11/04/2023 08:50	WG2164397
Chlorobenzene	U		0.117	0.500	1	11/04/2023 08:50	WG2164397
Chlorodibromomethane	U		0.140	0.500	1	11/04/2023 08:50	WG2164397
Chloroethane	U		0.192	2.50	1	11/04/2023 08:50	WG2164397
2-Chloroethyl vinyl ether	U		0.575	50.0	1	11/04/2023 08:50	WG2164397
Chloroform	U		0.111	0.500	1	11/04/2023 08:50	WG2164397
Chloromethane	U		0.960	1.25	1	11/04/2023 08:50	WG2164397
2-Chlorotoluene	U		0.106	0.500	1	11/04/2023 08:50	WG2164397
4-Chlorotoluene	U		0.114	0.500	1	11/04/2023 08:50	WG2164397
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/04/2023 08:50	WG2164397
1,2-Dibromoethane	U		0.126	0.500	1	11/04/2023 08:50	WG2164397
Dibromomethane	U		0.122	0.500	1	11/04/2023 08:50	WG2164397
1,2-Dichlorobenzene	U		0.107	0.500	1	11/04/2023 08:50	WG2164397
1,3-Dichlorobenzene	U		0.299	0.500	1	11/04/2023 08:50	WG2164397
1,4-Dichlorobenzene	U		0.120	0.500	1	11/04/2023 08:50	WG2164397
Dichlorodifluoromethane	U		0.374	2.50	1	11/04/2023 08:50	WG2164397
1,1-Dichloroethane	U		0.100	0.500	1	11/04/2023 08:50	WG2164397
1,2-Dichloroethane	U		0.0819	0.500	1	11/04/2023 08:50	WG2164397
1,1-Dichloroethene	U		0.188	0.500	1	11/04/2023 08:50	WG2164397
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/04/2023 08:50	WG2164397
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/04/2023 08:50	WG2164397
1,2-Dichloropropane	U		0.149	0.500	1	11/04/2023 08:50	WG2164397
1,1-Dichloropropene	U		0.142	0.500	1	11/04/2023 08:50	WG2164397
1,3-Dichloropropane	U		0.109	1.00	1	11/04/2023 08:50	WG2164397
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/04/2023 08:50	WG2164397
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/04/2023 08:50	WG2164397
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/04/2023 08:50	WG2164397
2,2-Dichloropropane	U		0.161	0.500	1	11/04/2023 08:50	WG2164397
Di-isopropyl ether	U		0.105	0.500	1	11/04/2023 08:50	WG2164397
Ethylbenzene	U		0.137	0.500	1	11/04/2023 08:50	WG2164397
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/04/2023 08:50	WG2164397
2-Hexanone	U		0.787	5.00	1	11/04/2023 08:50	WG2164397
n-Hexane	U		0.749	5.00	1	11/04/2023 08:50	WG2164397
Iodomethane	U		0.554	5.00	1	11/04/2023 08:50	WG2164397
Isopropylbenzene	U		0.105	0.500	1	11/04/2023 08:50	WG2164397
p-Isopropyltoluene	U		0.120	0.500	1	11/04/2023 08:50	WG2164397
2-Butanone (MEK)	U	C3 J3	1.19	5.00	1	11/04/2023 08:50	WG2164397

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	11/04/2023 08:50	WG2164397
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/04/2023 08:50	WG2164397
Methyl tert-butyl ether	U		0.101	0.500	1	11/04/2023 08:50	WG2164397
Naphthalene	U		0.174	2.50	1	11/04/2023 08:50	WG2164397
n-Propylbenzene	U		0.0993	0.500	1	11/04/2023 08:50	WG2164397
Styrene	U		0.118	0.500	1	11/04/2023 08:50	WG2164397
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	11/04/2023 08:50	WG2164397
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/04/2023 08:50	WG2164397
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/04/2023 08:50	WG2164397
Tetrachloroethene	U		0.300	0.500	1	11/04/2023 08:50	WG2164397
Toluene	U		0.278	0.500	1	11/04/2023 08:50	WG2164397
1,2,3-Trichlorobenzene	U		0.164	0.500	1	11/04/2023 08:50	WG2164397
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/04/2023 08:50	WG2164397
1,1,1-Trichloroethane	U		0.149	0.500	1	11/04/2023 08:50	WG2164397
1,1,2-Trichloroethane	U		0.158	0.500	1	11/04/2023 08:50	WG2164397
Trichloroethene	U		0.190	0.500	1	11/04/2023 08:50	WG2164397
Trichlorofluoromethane	U		0.160	2.50	1	11/04/2023 08:50	WG2164397
1,2,3-Trichloropropane	U		0.237	2.50	1	11/04/2023 08:50	WG2164397
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/04/2023 08:50	WG2164397
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/04/2023 08:50	WG2164397
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/04/2023 08:50	WG2164397
Vinyl acetate	U	C3 J3	0.692	5.00	1	11/04/2023 08:50	WG2164397
Vinyl chloride	U	J4	0.234	0.500	1	11/04/2023 08:50	WG2164397
Xylenes, Total	U		0.174	1.50	1	11/04/2023 08:50	WG2164397
(S) Toluene-d8	*107*			*80.0-120*		*11/04/2023 08:50*	WG2164397
(S) 4-Bromofluorobenzene	*95.4*			*77.0-126*		*11/04/2023 08:50*	WG2164397
(S) 1,2-Dichloroethane-d4	*88.1*			*70.0-130*		*11/04/2023 08:50*	WG2164397

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	11/02/2023 00:33	WG2161005
Atrazine	U		0.255	10.0	1	11/02/2023 00:33	WG2161005
Benzaldehyde	U	J4	1.69	10.0	1	11/02/2023 00:33	WG2161005
Biphenyl	U		0.790	10.0	1	11/02/2023 00:33	WG2161005
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/02/2023 00:33	WG2161005
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/02/2023 00:33	WG2161005
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/02/2023 00:33	WG2161005
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/02/2023 00:33	WG2161005
Caprolactam	U		0.309	10.0	1	11/02/2023 00:33	WG2161005
Carbazole	U		0.111	10.0	1	11/02/2023 00:33	WG2161005
4-Chloroaniline	U		0.234	5.00	1	11/02/2023 00:33	WG2161005
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/02/2023 00:33	WG2161005
3,3-Dichlorobenzidine	U		0.212	10.0	1	11/02/2023 00:33	WG2161005
2,4-Dinitrotoluene	U		0.0983	10.0	1	11/02/2023 00:33	WG2161005
2,6-Dinitrotoluene	U		0.250	5.00	1	11/02/2023 00:33	WG2161005
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/02/2023 00:33	WG2161005
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/02/2023 00:33	WG2161005
Hexachloroethane	U		0.127	5.00	1	11/02/2023 00:33	WG2161005
Isophorone	U		0.143	10.0	1	11/02/2023 00:33	WG2161005
2-Nitroaniline	U		0.102	10.0	1	11/02/2023 00:33	WG2161005
3-Nitroaniline	U		0.0869	5.00	1	11/02/2023 00:33	WG2161005
4-Nitroaniline	U		0.0910	5.00	1	11/02/2023 00:33	WG2161005
Nitrobenzene	U		0.297	10.0	1	11/02/2023 00:33	WG2161005
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/02/2023 00:33	WG2161005
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/02/2023 00:33	WG2161005

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	11/02/2023 00:33	WG2161005
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/02/2023 00:33	WG2161005
Di-n-butyl phthalate	U		0.453	3.00	1	11/02/2023 00:33	WG2161005
Diethyl phthalate	U		0.287	3.00	1	11/02/2023 00:33	WG2161005
Dimethyl phthalate	U		0.260	3.00	1	11/02/2023 00:33	WG2161005
Di-n-octyl phthalate	U		0.932	3.00	1	11/02/2023 00:33	WG2161005
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/02/2023 00:33	WG2161005
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/02/2023 00:33	WG2161005
2-Chlorophenol	U		0.133	1.00	1	11/02/2023 00:33	WG2161005
2-Methylphenol	U		0.0929	1.00	1	11/02/2023 00:33	WG2161005
3&4-Methyl Phenol	U		0.168	1.00	1	11/02/2023 00:33	WG2161005
2,4-Dichlorophenol	U		0.102	5.00	1	11/02/2023 00:33	WG2161005
2,4-Dimethylphenol	U		0.0636	10.0	1	11/02/2023 00:33	WG2161005
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	11/02/2023 00:33	WG2161005
2,4-Dinitrophenol	U		5.93	10.0	1	11/02/2023 00:33	WG2161005
2-Nitrophenol	U		0.117	10.0	1	11/02/2023 00:33	WG2161005
4-Nitrophenol	U	J4	0.143	10.0	1	11/02/2023 00:33	WG2161005
Pentachlorophenol	U		0.313	1.00	1	11/02/2023 00:33	WG2161005
Phenol	U		4.33	10.0	1	11/02/2023 00:33	WG2161005
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/02/2023 00:33	WG2161005
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/02/2023 00:33	WG2161005
(S) 2-Fluorophenol	*31.8*			*10.0-120*		*11/02/2023 00:33*	WG2161005
(S) Phenol-d5	*18.6*			*10.0-120*		*11/02/2023 00:33*	WG2161005
(S) Nitrobenzene-d5	*61.2*			*10.0-127*		*11/02/2023 00:33*	WG2161005
(S) 2-Fluorobiphenyl	*56.9*			*10.0-130*		*11/02/2023 00:33*	WG2161005
(S) 2,4,6-Tribromophenol	*61.6*			*10.0-155*		*11/02/2023 00:33*	WG2161005
(S) p-Terphenyl-d14	*76.6*			*10.0-128*		*11/02/2023 00:33*	WG2161005

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	11/01/2023 02:39	WG2161001
Acenaphthene	U		0.0190	0.0500	1	11/01/2023 02:39	WG2161001
Acenaphthylene	U		0.0171	0.0500	1	11/01/2023 02:39	WG2161001
Benzo(a)anthracene	U		0.0203	0.0500	1	11/01/2023 02:39	WG2161001
Benzo(a)pyrene	U		0.0184	0.0500	1	11/01/2023 02:39	WG2161001
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/01/2023 02:39	WG2161001
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/01/2023 02:39	WG2161001
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/01/2023 02:39	WG2161001
Chrysene	U		0.0179	0.0500	1	11/01/2023 02:39	WG2161001
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/01/2023 02:39	WG2161001
Dibenzofuran	U		0.0191	0.0500	1	11/01/2023 02:39	WG2161001
Fluoranthene	U		0.0270	0.100	1	11/01/2023 02:39	WG2161001
Fluorene	U		0.0169	0.0500	1	11/01/2023 02:39	WG2161001
Hexachlorobenzene	U		0.00670	0.0500	1	11/01/2023 02:39	WG2161001
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/01/2023 02:39	WG2161001
Naphthalene	U		0.0917	0.250	1	11/01/2023 02:39	WG2161001
Phenanthrene	0.0192	B J	0.0180	0.0500	1	11/01/2023 02:39	WG2161001
Pyrene	U		0.0169	0.0500	1	11/01/2023 02:39	WG2161001
1-Methylnaphthalene	U		0.0687	0.250	1	11/01/2023 02:39	WG2161001
2-Methylnaphthalene	U		0.0674	0.250	1	11/01/2023 02:39	WG2161001
2-Chloronaphthalene	U		0.0682	0.250	1	11/01/2023 02:39	WG2161001
(S) Nitrobenzene-d5	*98.4*			*31.0-160*		*11/01/2023 02:39*	WG2161001
(S) 2-Fluorobiphenyl	*102*			*48.0-148*		*11/01/2023 02:39*	WG2161001
(S) p-Terphenyl-d14	*98.4*			*37.0-146*		*11/01/2023 02:39*	WG2161001

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	11/07/2023 12:12	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 16:04	WG2160512
Acetone	U		11.3	25.0	1	11/02/2023 04:47	WG2162809
Acrylonitrile	U		0.671	5.00	1	11/02/2023 04:47	WG2162809
Benzene	U		0.0941	0.500	1	11/02/2023 04:47	WG2162809
Bromobenzene	U		0.118	0.500	1	11/02/2023 04:47	WG2162809
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 04:47	WG2162809
Bromochloromethane	U		0.128	0.500	1	11/02/2023 04:47	WG2162809
Bromoform	U		0.129	0.500	1	11/02/2023 04:47	WG2162809
Bromomethane	U	C3	0.605	2.50	1	11/02/2023 04:47	WG2162809
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 04:47	WG2162809
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 04:47	WG2162809
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 04:47	WG2162809
Carbon disulfide	U	C3	0.0962	0.500	1	11/02/2023 04:47	WG2162809
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 04:47	WG2162809
Chlorobenzene	U		0.117	0.500	1	11/02/2023 04:47	WG2162809
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 04:47	WG2162809
Chloroethane	U	C3	0.192	2.50	1	11/02/2023 04:47	WG2162809
2-Chloroethyl vinyl ether	U		0.575	50.0	1	11/02/2023 04:47	WG2162809
Chloroform	U		0.111	0.500	1	11/02/2023 04:47	WG2162809
Chloromethane	U		0.960	1.25	1	11/02/2023 04:47	WG2162809
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 04:47	WG2162809
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 04:47	WG2162809
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/02/2023 04:47	WG2162809
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 04:47	WG2162809
Dibromomethane	U		0.122	0.500	1	11/02/2023 04:47	WG2162809
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 04:47	WG2162809
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 04:47	WG2162809
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 04:47	WG2162809
Dichlorodifluoromethane	U		0.374	2.50	1	11/02/2023 04:47	WG2162809
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 04:47	WG2162809
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 04:47	WG2162809
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 04:47	WG2162809
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 04:47	WG2162809
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 04:47	WG2162809
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 04:47	WG2162809
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 04:47	WG2162809
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 04:47	WG2162809
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 04:47	WG2162809
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 04:47	WG2162809
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 04:47	WG2162809
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 04:47	WG2162809
Di-isopropyl ether	U		0.105	0.500	1	11/02/2023 04:47	WG2162809
Ethylbenzene	U		0.137	0.500	1	11/02/2023 04:47	WG2162809
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 04:47	WG2162809
2-Hexanone	U		0.787	5.00	1	11/02/2023 04:47	WG2162809
n-Hexane	U		0.749	5.00	1	11/02/2023 04:47	WG2162809
Iodomethane	U		0.554	5.00	1	11/02/2023 04:47	WG2162809
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 04:47	WG2162809
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 04:47	WG2162809
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 04:47	WG2162809

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	11/02/2023 04:47	WG2162809
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/02/2023 04:47	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 04:47	WG2162809
Naphthalene	U	C3	0.174	2.50	1	11/02/2023 04:47	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 04:47	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 04:47	WG2162809
1,1,1,2-Tetrachloroethane	U	J4	0.147	0.500	1	11/02/2023 04:47	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 04:47	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 04:47	WG2162809
Tetrachloroethene	0.525		0.300	0.500	1	11/02/2023 04:47	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 04:47	WG2162809
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	11/02/2023 04:47	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 04:47	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 04:47	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 04:47	WG2162809
Trichloroethene	U		0.190	0.500	1	11/02/2023 04:47	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 04:47	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 04:47	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 04:47	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 04:47	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 04:47	WG2162809
Vinyl acetate	U	C3	0.692	5.00	1	11/02/2023 04:47	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 04:47	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 04:47	WG2162809
(S) Toluene-d8	*105*			*80.0-120*		*11/02/2023 04:47*	WG2162809
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*11/02/2023 04:47*	WG2162809
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*11/02/2023 04:47*	WG2162809

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	0.0779	J	0.0447	0.400	1	11/02/2023 02:13	WG2160135
(S) Nitrobenzene-d5	*78.8*			*10.0-120*		*11/02/2023 02:13*	WG2160135

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	11/03/2023 04:18	WG2161902
Atrazine	U		0.255	10.0	1	11/03/2023 04:18	WG2161902
Benzaldehyde	U	J4	1.69	10.0	1	11/03/2023 04:18	WG2161902
Biphenyl	U		0.790	10.0	1	11/03/2023 04:18	WG2161902
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/03/2023 04:18	WG2161902
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/03/2023 04:18	WG2161902
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/03/2023 04:18	WG2161902
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/03/2023 04:18	WG2161902
Caprolactam	5.58	J	0.309	10.0	1	11/03/2023 04:18	WG2161902
Carbazole	U		0.111	10.0	1	11/03/2023 04:18	WG2161902
4-Chloroaniline	U		0.234	5.00	1	11/03/2023 04:18	WG2161902
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/03/2023 04:18	WG2161902
3,3-Dichlorobenzidine	U	J4	0.212	10.0	1	11/03/2023 04:18	WG2161902
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/03/2023 04:18	WG2161902
2,6-Dinitrotoluene	U		0.250	5.00	1	11/03/2023 04:18	WG2161902
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/03/2023 04:18	WG2161902
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/03/2023 04:18	WG2161902
Hexachloroethane	U		0.127	5.00	1	11/03/2023 04:18	WG2161902

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	11/03/2023 04:18	WG2161902
2-Nitroaniline	U		0.102	10.0	1	11/03/2023 04:18	WG2161902
3-Nitroaniline	U		0.0869	5.00	1	11/03/2023 04:18	WG2161902
4-Nitroaniline	U		0.0910	5.00	1	11/03/2023 04:18	WG2161902
Nitrobenzene	U		0.297	10.0	1	11/03/2023 04:18	WG2161902
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/03/2023 04:18	WG2161902
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/03/2023 04:18	WG2161902
Benzylbutyl phthalate	U		0.765	3.00	1	11/03/2023 04:18	WG2161902
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/03/2023 04:18	WG2161902
Di-n-butyl phthalate	U		0.453	3.00	1	11/03/2023 04:18	WG2161902
Diethyl phthalate	U		0.287	3.00	1	11/03/2023 04:18	WG2161902
Dimethyl phthalate	U		0.260	3.00	1	11/03/2023 04:18	WG2161902
Di-n-octyl phthalate	U		0.932	3.00	1	11/03/2023 04:18	WG2161902
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/03/2023 04:18	WG2161902
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/03/2023 04:18	WG2161902
2-Chlorophenol	U		0.133	1.00	1	11/03/2023 04:18	WG2161902
2-Methylphenol	U		0.0929	1.00	1	11/03/2023 04:18	WG2161902
3&4-Methyl Phenol	U		0.168	1.00	1	11/03/2023 04:18	WG2161902
2,4-Dichlorophenol	U		0.102	5.00	1	11/03/2023 04:18	WG2161902
2,4-Dimethylphenol	0.606	B J	0.0636	10.0	1	11/03/2023 04:18	WG2161902
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	11/03/2023 04:18	WG2161902
2,4-Dinitrophenol	U		5.93	10.0	1	11/03/2023 04:18	WG2161902
2-Nitrophenol	U		0.117	10.0	1	11/03/2023 04:18	WG2161902
4-Nitrophenol	U		0.143	10.0	1	11/03/2023 04:18	WG2161902
Pentachlorophenol	U		0.313	1.00	1	11/03/2023 04:18	WG2161902
Phenol	U		4.33	10.0	1	11/03/2023 04:18	WG2161902
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/03/2023 04:18	WG2161902
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/03/2023 04:18	WG2161902
(S) 2-Fluorophenol	*18.7*			*10.0-120*		*11/03/2023 04:18*	WG2161902
(S) Phenol-d5	*13.9*			*10.0-120*		*11/03/2023 04:18*	WG2161902
(S) Nitrobenzene-d5	*54.5*			*10.0-127*		*11/03/2023 04:18*	WG2161902
(S) 2-Fluorobiphenyl	*53.7*			*10.0-130*		*11/03/2023 04:18*	WG2161902
(S) 2,4,6-Tribromophenol	*39.1*			*10.0-155*		*11/03/2023 04:18*	WG2161902
(S) p-Terphenyl-d14	*55.0*			*10.0-128*		*11/03/2023 04:18*	WG2161902

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	11/02/2023 01:56	WG2161926
Acenaphthene	U		0.0190	0.0500	1	11/02/2023 01:56	WG2161926
Acenaphthylene	U		0.0171	0.0500	1	11/02/2023 01:56	WG2161926
Benzo(a)anthracene	U		0.0203	0.0500	1	11/02/2023 01:56	WG2161926
Benzo(a)pyrene	U		0.0184	0.0500	1	11/02/2023 01:56	WG2161926
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/02/2023 01:56	WG2161926
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/02/2023 01:56	WG2161926
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/02/2023 01:56	WG2161926
Chrysene	U		0.0179	0.0500	1	11/02/2023 01:56	WG2161926
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/02/2023 01:56	WG2161926
Dibenzofuran	U		0.0191	0.0500	1	11/02/2023 01:56	WG2161926
Fluoranthene	U		0.0270	0.100	1	11/02/2023 01:56	WG2161926
Fluorene	U		0.0169	0.0500	1	11/02/2023 01:56	WG2161926
Hexachlorobenzene	U		0.00670	0.0500	1	11/02/2023 01:56	WG2161926
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/02/2023 01:56	WG2161926
Naphthalene	U		0.0917	0.250	1	11/02/2023 01:56	WG2161926
Phenanthrene	U		0.0180	0.0500	1	11/02/2023 01:56	WG2161926
Pyrene	U		0.0169	0.0500	1	11/02/2023 01:56	WG2161926

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	11/02/2023 01:56	WG2161926
2-Methylnaphthalene	U		0.0674	0.250	1	11/02/2023 01:56	WG2161926
2-Chloronaphthalene	U		0.0682	0.250	1	11/02/2023 01:56	WG2161926
(S) Nitrobenzene-d5	*71.0*			*31.0-160*		*11/02/2023 01:56*	WG2161926
(S) 2-Fluorobiphenyl	*66.0*			*48.0-148*		*11/02/2023 01:56*	WG2161926
(S) p-Terphenyl-d14	*62.5*			*37.0-146*		*11/02/2023 01:56*	WG2161926

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	11/07/2023 10:29	WG2162517

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	11/02/2023 11:02	WG2163024
Acetone	U		11.3	25.0	1	11/02/2023 05:06	WG2162809
Acrylonitrile	U		0.671	5.00	1	11/02/2023 05:06	WG2162809
Benzene	U		0.0941	0.500	1	11/02/2023 05:06	WG2162809
Bromobenzene	U		0.118	0.500	1	11/02/2023 05:06	WG2162809
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 05:06	WG2162809
Bromochloromethane	U		0.128	0.500	1	11/02/2023 05:06	WG2162809
Bromoform	U		0.129	0.500	1	11/02/2023 05:06	WG2162809
Bromomethane	U	C3	0.605	2.50	1	11/02/2023 05:06	WG2162809
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 05:06	WG2162809
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 05:06	WG2162809
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 05:06	WG2162809
Carbon disulfide	U	C3	0.0962	0.500	1	11/02/2023 05:06	WG2162809
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 05:06	WG2162809
Chlorobenzene	U		0.117	0.500	1	11/02/2023 05:06	WG2162809
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 05:06	WG2162809
Chloroethane	U	C3	0.192	2.50	1	11/02/2023 05:06	WG2162809
2-Chloroethyl vinyl ether	U		0.575	50.0	1	11/02/2023 05:06	WG2162809
Chloroform	0.326	J	0.111	0.500	1	11/02/2023 05:06	WG2162809
Chloromethane	U		0.960	1.25	1	11/02/2023 05:06	WG2162809
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 05:06	WG2162809
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 05:06	WG2162809
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/02/2023 05:06	WG2162809
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 05:06	WG2162809
Dibromomethane	U		0.122	0.500	1	11/02/2023 05:06	WG2162809
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 05:06	WG2162809
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 05:06	WG2162809
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 05:06	WG2162809
Dichlorodifluoromethane	U		0.374	2.50	1	11/02/2023 05:06	WG2162809
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 05:06	WG2162809
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 05:06	WG2162809
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 05:06	WG2162809
cis-1,2-Dichloroethene	0.262	J	0.126	0.500	1	11/02/2023 05:06	WG2162809
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 05:06	WG2162809
1,2-Dichloropropane	0.175	J	0.149	0.500	1	11/02/2023 05:06	WG2162809
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 05:06	WG2162809
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 05:06	WG2162809
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 05:06	WG2162809
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 05:06	WG2162809
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 05:06	WG2162809
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 05:06	WG2162809
Di-isopropyl ether	U		0.105	0.500	1	11/02/2023 05:06	WG2162809
Ethylbenzene	U		0.137	0.500	1	11/02/2023 05:06	WG2162809
Hexachloro-1,3-butadiene	3.34		0.337	1.00	1	11/02/2023 05:06	WG2162809
2-Hexanone	U		0.787	5.00	1	11/02/2023 05:06	WG2162809
n-Hexane	U		0.749	5.00	1	11/02/2023 05:06	WG2162809
Iodomethane	U		0.554	5.00	1	11/02/2023 05:06	WG2162809
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 05:06	WG2162809
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 05:06	WG2162809
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 05:06	WG2162809

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	11/02/2023 05:06	WG2162809
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/02/2023 05:06	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 05:06	WG2162809
Naphthalene	U	C3	0.174	2.50	1	11/02/2023 05:06	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 05:06	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 05:06	WG2162809
1,1,1,2-Tetrachloroethane	U	J4	0.147	0.500	1	11/02/2023 05:06	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 05:06	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 05:06	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 05:06	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 05:06	WG2162809
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	11/02/2023 05:06	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 05:06	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 05:06	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 05:06	WG2162809
Trichloroethene	5.24		0.190	0.500	1	11/02/2023 05:06	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 05:06	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 05:06	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 05:06	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 05:06	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 05:06	WG2162809
Vinyl acetate	U	C3	0.692	5.00	1	11/02/2023 05:06	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 05:06	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 05:06	WG2162809
(S) Toluene-d8	*108*			*80.0-120*		*11/02/2023 05:06*	WG2162809
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*11/02/2023 05:06*	WG2162809
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*11/02/2023 05:06*	WG2162809

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	1.85		0.0447	0.400	1	11/01/2023 23:02	WG2160135
(S) Nitrobenzene-d5	*59.7*			*10.0-120*		*11/01/2023 23:02*	WG2160135

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	11/03/2023 04:39	WG2161902
Atrazine	U	J3	0.255	10.0	1	11/03/2023 04:39	WG2161902
Benzaldehyde	U	J4 J5	1.69	10.0	1	11/03/2023 04:39	WG2161902
Biphenyl	U	J3	0.790	10.0	1	11/03/2023 04:39	WG2161902
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/03/2023 04:39	WG2161902
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/03/2023 04:39	WG2161902
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/03/2023 04:39	WG2161902
4-Bromophenyl-phenylether	U	J3	0.0877	10.0	1	11/03/2023 04:39	WG2161902
Caprolactam	U		0.309	10.0	1	11/03/2023 04:39	WG2161902
Carbazole	U	J3	0.111	10.0	1	11/03/2023 04:39	WG2161902
4-Chloroaniline	U	J3	0.234	5.00	1	11/03/2023 04:39	WG2161902
4-Chlorophenyl-phenylether	U	J3	0.0926	10.0	1	11/03/2023 04:39	WG2161902
3,3-Dichlorobenzidine	U	J3 J4	0.212	10.0	1	11/03/2023 04:39	WG2161902
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/03/2023 04:39	WG2161902
2,6-Dinitrotoluene	U		0.250	5.00	1	11/03/2023 04:39	WG2161902
Hexachloro-1,3-butadiene	1.47	J	0.0968	10.0	1	11/03/2023 04:39	WG2161902
Hexachlorocyclopentadiene	U	J3	0.0598	5.00	1	11/03/2023 04:39	WG2161902
Hexachloroethane	U		0.127	5.00	1	11/03/2023 04:39	WG2161902

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	11/03/2023 04:39	WG2161902
2-Nitroaniline	U		0.102	10.0	1	11/03/2023 04:39	WG2161902
3-Nitroaniline	U	J3	0.0869	5.00	1	11/03/2023 04:39	WG2161902
4-Nitroaniline	U	J3	0.0910	5.00	1	11/03/2023 04:39	WG2161902
Nitrobenzene	U		0.297	10.0	1	11/03/2023 04:39	WG2161902
n-Nitrosodiphenylamine	U	J3	2.37	10.0	1	11/03/2023 04:39	WG2161902
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/03/2023 04:39	WG2161902
Benzylbutyl phthalate	U	J3	0.765	3.00	1	11/03/2023 04:39	WG2161902
Bis(2-ethylhexyl)phthalate	U	J3 J6	0.895	3.00	1	11/03/2023 04:39	WG2161902
Di-n-butyl phthalate	U	J3	0.453	3.00	1	11/03/2023 04:39	WG2161902
Diethyl phthalate	U	J3	0.287	3.00	1	11/03/2023 04:39	WG2161902
Dimethyl phthalate	U	J3	0.260	3.00	1	11/03/2023 04:39	WG2161902
Di-n-octyl phthalate	U	J3	0.932	3.00	1	11/03/2023 04:39	WG2161902
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/03/2023 04:39	WG2161902
4-Chloro-3-methylphenol	U	J3	0.131	1.00	1	11/03/2023 04:39	WG2161902
2-Chlorophenol	U	J3	0.133	1.00	1	11/03/2023 04:39	WG2161902
2-Methylphenol	U	J3	0.0929	1.00	1	11/03/2023 04:39	WG2161902
3&4-Methyl Phenol	U	J3	0.168	1.00	1	11/03/2023 04:39	WG2161902
2,4-Dichlorophenol	U	J3	0.102	5.00	1	11/03/2023 04:39	WG2161902
2,4-Dimethylphenol	0.0676	B J J3	0.0636	10.0	1	11/03/2023 04:39	WG2161902
4,6-Dinitro-2-methylphenol	U	J3	1.12	10.0	1	11/03/2023 04:39	WG2161902
2,4-Dinitrophenol	U	J3	5.93	10.0	1	11/03/2023 04:39	WG2161902
2-Nitrophenol	U	J3	0.117	10.0	1	11/03/2023 04:39	WG2161902
4-Nitrophenol	U		0.143	10.0	1	11/03/2023 04:39	WG2161902
Pentachlorophenol	U	J3	0.313	1.00	1	11/03/2023 04:39	WG2161902
Phenol	U		4.33	10.0	1	11/03/2023 04:39	WG2161902
2,4,5-Trichlorophenol	U	J3	0.109	1.00	1	11/03/2023 04:39	WG2161902
2,4,6-Trichlorophenol	U	J3	0.100	1.00	1	11/03/2023 04:39	WG2161902
(S) 2-Fluorophenol	*18.8*			*10.0-120*		*11/03/2023 04:39*	WG2161902
(S) Phenol-d5	*15.1*			*10.0-120*		*11/03/2023 04:39*	WG2161902
(S) Nitrobenzene-d5	*57.1*			*10.0-127*		*11/03/2023 04:39*	WG2161902
(S) 2-Fluorobiphenyl	*56.0*			*10.0-130*		*11/03/2023 04:39*	WG2161902
(S) 2,4,6-Tribromophenol	*30.2*			*10.0-155*		*11/03/2023 04:39*	WG2161902
(S) p-Terphenyl-d14	*56.7*			*10.0-128*		*11/03/2023 04:39*	WG2161902

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	11/02/2023 02:13	WG2161926
Acenaphthene	U	J3	0.0190	0.0500	1	11/02/2023 02:13	WG2161926
Acenaphthylene	U	J3	0.0171	0.0500	1	11/02/2023 02:13	WG2161926
Benzo(a)anthracene	U	J3	0.0203	0.0500	1	11/02/2023 02:13	WG2161926
Benzo(a)pyrene	U	J3	0.0184	0.0500	1	11/02/2023 02:13	WG2161926
Benzo(b)fluoranthene	U	J3	0.0168	0.0500	1	11/02/2023 02:13	WG2161926
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/02/2023 02:13	WG2161926
Benzo(k)fluoranthene	U	J3	0.0202	0.0500	1	11/02/2023 02:13	WG2161926
Chrysene	U	J3	0.0179	0.0500	1	11/02/2023 02:13	WG2161926
Dibenz(a,h)anthracene	U	J3	0.0160	0.0500	1	11/02/2023 02:13	WG2161926
Dibenzofuran	U	J3	0.0191	0.0500	1	11/02/2023 02:13	WG2161926
Fluoranthene	U	J3	0.0270	0.100	1	11/02/2023 02:13	WG2161926
Fluorene	U	J3	0.0169	0.0500	1	11/02/2023 02:13	WG2161926
Hexachlorobenzene	U	J3	0.00670	0.0500	1	11/02/2023 02:13	WG2161926
Indeno(1,2,3-cd)pyrene	U	J3	0.0158	0.0500	1	11/02/2023 02:13	WG2161926
Naphthalene	U	J3	0.0917	0.250	1	11/02/2023 02:13	WG2161926
Phenanthrene	U	J3	0.0180	0.0500	1	11/02/2023 02:13	WG2161926
Pyrene	U	J3	0.0169	0.0500	1	11/02/2023 02:13	WG2161926

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	J3	0.0687	0.250	1	11/02/2023 02:13	WG2161926
2-Methylnaphthalene	U	J3	0.0674	0.250	1	11/02/2023 02:13	WG2161926
2-Chloronaphthalene	U	J3	0.0682	0.250	1	11/02/2023 02:13	WG2161926
(S) Nitrobenzene-d5	*70.5*			*31.0-160*		*11/02/2023 02:13*	WG2161926
(S) 2-Fluorobiphenyl	*68.5*			*48.0-148*		*11/02/2023 02:13*	WG2161926
(S) p-Terphenyl-d14	*67.0*			*37.0-146*		*11/02/2023 02:13*	WG2161926

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	11/07/2023 12:15	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 16:52	WG2160512
Acetone	U		11.3	25.0	1	11/02/2023 05:25	WG2162809
Acrylonitrile	U		0.671	5.00	1	11/02/2023 05:25	WG2162809
Benzene	U		0.0941	0.500	1	11/02/2023 05:25	WG2162809
Bromobenzene	U		0.118	0.500	1	11/02/2023 05:25	WG2162809
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 05:25	WG2162809
Bromochloromethane	U		0.128	0.500	1	11/02/2023 05:25	WG2162809
Bromoform	U		0.129	0.500	1	11/02/2023 05:25	WG2162809
Bromomethane	U	C3	0.605	2.50	1	11/02/2023 05:25	WG2162809
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 05:25	WG2162809
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 05:25	WG2162809
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 05:25	WG2162809
Carbon disulfide	U	C3	0.0962	0.500	1	11/02/2023 05:25	WG2162809
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 05:25	WG2162809
Chlorobenzene	U		0.117	0.500	1	11/02/2023 05:25	WG2162809
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 05:25	WG2162809
Chloroethane	U	C3	0.192	2.50	1	11/02/2023 05:25	WG2162809
2-Chloroethyl vinyl ether	U		0.575	50.0	1	11/02/2023 05:25	WG2162809
Chloroform	U		0.111	0.500	1	11/02/2023 05:25	WG2162809
Chloromethane	U		0.960	1.25	1	11/02/2023 05:25	WG2162809
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 05:25	WG2162809
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 05:25	WG2162809
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/02/2023 05:25	WG2162809
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 05:25	WG2162809
Dibromomethane	U		0.122	0.500	1	11/02/2023 05:25	WG2162809
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 05:25	WG2162809
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 05:25	WG2162809
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 05:25	WG2162809
Dichlorodifluoromethane	U		0.374	2.50	1	11/02/2023 05:25	WG2162809
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 05:25	WG2162809
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 05:25	WG2162809
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 05:25	WG2162809
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 05:25	WG2162809
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 05:25	WG2162809
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 05:25	WG2162809
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 05:25	WG2162809
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 05:25	WG2162809
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 05:25	WG2162809
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 05:25	WG2162809
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 05:25	WG2162809
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 05:25	WG2162809
Di-isopropyl ether	U		0.105	0.500	1	11/02/2023 05:25	WG2162809
Ethylbenzene	U		0.137	0.500	1	11/02/2023 05:25	WG2162809
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 05:25	WG2162809
2-Hexanone	U		0.787	5.00	1	11/02/2023 05:25	WG2162809
n-Hexane	U		0.749	5.00	1	11/02/2023 05:25	WG2162809
Iodomethane	U		0.554	5.00	1	11/02/2023 05:25	WG2162809
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 05:25	WG2162809
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 05:25	WG2162809
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 05:25	WG2162809

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	11/02/2023 05:25	WG2162809
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/02/2023 05:25	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 05:25	WG2162809
Naphthalene	U	C3	0.174	2.50	1	11/02/2023 05:25	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 05:25	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 05:25	WG2162809
1,1,1,2-Tetrachloroethane	U	J4	0.147	0.500	1	11/02/2023 05:25	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 05:25	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 05:25	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 05:25	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 05:25	WG2162809
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	11/02/2023 05:25	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 05:25	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 05:25	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 05:25	WG2162809
Trichloroethene	0.238	J	0.190	0.500	1	11/02/2023 05:25	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 05:25	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 05:25	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 05:25	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 05:25	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 05:25	WG2162809
Vinyl acetate	U	C3	0.692	5.00	1	11/02/2023 05:25	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 05:25	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 05:25	WG2162809
(S) Toluene-d8	*106*			*80.0-120*		*11/02/2023 05:25*	WG2162809
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*11/02/2023 05:25*	WG2162809
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*11/02/2023 05:25*	WG2162809

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	11/03/2023 05:41	WG2161902
Atrazine	U		0.255	10.0	1	11/03/2023 05:41	WG2161902
Benzaldehyde	U	J4	1.69	10.0	1	11/03/2023 05:41	WG2161902
Biphenyl	U		0.790	10.0	1	11/03/2023 05:41	WG2161902
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/03/2023 05:41	WG2161902
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/03/2023 05:41	WG2161902
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/03/2023 05:41	WG2161902
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/03/2023 05:41	WG2161902
Caprolactam	U		0.309	10.0	1	11/03/2023 05:41	WG2161902
Carbazole	U		0.111	10.0	1	11/03/2023 05:41	WG2161902
4-Chloroaniline	U		0.234	5.00	1	11/03/2023 05:41	WG2161902
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/03/2023 05:41	WG2161902
3,3-Dichlorobenzidine	U	J4	0.212	10.0	1	11/03/2023 05:41	WG2161902
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/03/2023 05:41	WG2161902
2,6-Dinitrotoluene	U		0.250	5.00	1	11/03/2023 05:41	WG2161902
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/03/2023 05:41	WG2161902
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/03/2023 05:41	WG2161902
Hexachloroethane	U		0.127	5.00	1	11/03/2023 05:41	WG2161902
Isophorone	U		0.143	10.0	1	11/03/2023 05:41	WG2161902
2-Nitroaniline	U		0.102	10.0	1	11/03/2023 05:41	WG2161902
3-Nitroaniline	U		0.0869	5.00	1	11/03/2023 05:41	WG2161902
4-Nitroaniline	U		0.0910	5.00	1	11/03/2023 05:41	WG2161902
Nitrobenzene	U		0.297	10.0	1	11/03/2023 05:41	WG2161902
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/03/2023 05:41	WG2161902
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/03/2023 05:41	WG2161902

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	11/03/2023 05:41	WG2161902
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/03/2023 05:41	WG2161902
Di-n-butyl phthalate	U		0.453	3.00	1	11/03/2023 05:41	WG2161902
Diethyl phthalate	U		0.287	3.00	1	11/03/2023 05:41	WG2161902
Dimethyl phthalate	U		0.260	3.00	1	11/03/2023 05:41	WG2161902
Di-n-octyl phthalate	U		0.932	3.00	1	11/03/2023 05:41	WG2161902
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/03/2023 05:41	WG2161902
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/03/2023 05:41	WG2161902
2-Chlorophenol	U		0.133	1.00	1	11/03/2023 05:41	WG2161902
2-Methylphenol	U		0.0929	1.00	1	11/03/2023 05:41	WG2161902
3&4-Methyl Phenol	U		0.168	1.00	1	11/03/2023 05:41	WG2161902
2,4-Dichlorophenol	U		0.102	5.00	1	11/03/2023 05:41	WG2161902
2,4-Dimethylphenol	0.159	B J	0.0636	10.0	1	11/03/2023 05:41	WG2161902
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	11/03/2023 05:41	WG2161902
2,4-Dinitrophenol	U		5.93	10.0	1	11/03/2023 05:41	WG2161902
2-Nitrophenol	U		0.117	10.0	1	11/03/2023 05:41	WG2161902
4-Nitrophenol	U		0.143	10.0	1	11/03/2023 05:41	WG2161902
Pentachlorophenol	U		0.313	1.00	1	11/03/2023 05:41	WG2161902
Phenol	U		4.33	10.0	1	11/03/2023 05:41	WG2161902
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/03/2023 05:41	WG2161902
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/03/2023 05:41	WG2161902
(S) 2-Fluorophenol	*28.5*			*10.0-120*		*11/03/2023 05:41*	WG2161902
(S) Phenol-d5	*20.3*			*10.0-120*		*11/03/2023 05:41*	WG2161902
(S) Nitrobenzene-d5	*65.5*			*10.0-127*		*11/03/2023 05:41*	WG2161902
(S) 2-Fluorobiphenyl	*66.0*			*10.0-130*		*11/03/2023 05:41*	WG2161902
(S) 2,4,6-Tribromophenol	*64.5*			*10.0-155*		*11/03/2023 05:41*	WG2161902
(S) p-Terphenyl-d14	*76.9*			*10.0-128*		*11/03/2023 05:41*	WG2161902

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	11/02/2023 03:06	WG2161926
Acenaphthene	U		0.0190	0.0500	1	11/02/2023 03:06	WG2161926
Acenaphthylene	U		0.0171	0.0500	1	11/02/2023 03:06	WG2161926
Benzo(a)anthracene	U		0.0203	0.0500	1	11/02/2023 03:06	WG2161926
Benzo(a)pyrene	U		0.0184	0.0500	1	11/02/2023 03:06	WG2161926
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/02/2023 03:06	WG2161926
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/02/2023 03:06	WG2161926
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/02/2023 03:06	WG2161926
Chrysene	U		0.0179	0.0500	1	11/02/2023 03:06	WG2161926
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/02/2023 03:06	WG2161926
Dibenzofuran	U		0.0191	0.0500	1	11/02/2023 03:06	WG2161926
Fluoranthene	U		0.0270	0.100	1	11/02/2023 03:06	WG2161926
Fluorene	U		0.0169	0.0500	1	11/02/2023 03:06	WG2161926
Hexachlorobenzene	U		0.00670	0.0500	1	11/02/2023 03:06	WG2161926
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/02/2023 03:06	WG2161926
Naphthalene	U		0.0917	0.250	1	11/02/2023 03:06	WG2161926
Phenanthrene	U		0.0180	0.0500	1	11/02/2023 03:06	WG2161926
Pyrene	U		0.0169	0.0500	1	11/02/2023 03:06	WG2161926
1-Methylnaphthalene	U		0.0687	0.250	1	11/02/2023 03:06	WG2161926
2-Methylnaphthalene	U		0.0674	0.250	1	11/02/2023 03:06	WG2161926
2-Chloronaphthalene	U		0.0682	0.250	1	11/02/2023 03:06	WG2161926
(S) Nitrobenzene-d5	*71.5*			*31.0-160*		*11/02/2023 03:06*	WG2161926
(S) 2-Fluorobiphenyl	*71.0*			*48.0-148*		*11/02/2023 03:06*	WG2161926
(S) p-Terphenyl-d14	*73.5*			*37.0-146*		*11/02/2023 03:06*	WG2161926

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	11/07/2023 12:19	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 17:16	WG2160512
Acetone	U		11.3	25.0	1	11/02/2023 05:44	WG2162809
Acrylonitrile	U		0.671	5.00	1	11/02/2023 05:44	WG2162809
Benzene	U		0.0941	0.500	1	11/02/2023 05:44	WG2162809
Bromobenzene	U		0.118	0.500	1	11/02/2023 05:44	WG2162809
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 05:44	WG2162809
Bromochloromethane	U		0.128	0.500	1	11/02/2023 05:44	WG2162809
Bromoform	U		0.129	0.500	1	11/02/2023 05:44	WG2162809
Bromomethane	U	C3	0.605	2.50	1	11/02/2023 05:44	WG2162809
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 05:44	WG2162809
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 05:44	WG2162809
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 05:44	WG2162809
Carbon disulfide	U	C3	0.0962	0.500	1	11/02/2023 05:44	WG2162809
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 05:44	WG2162809
Chlorobenzene	U		0.117	0.500	1	11/02/2023 05:44	WG2162809
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 05:44	WG2162809
Chloroethane	U	C3	0.192	2.50	1	11/02/2023 05:44	WG2162809
2-Chloroethyl vinyl ether	U		0.575	50.0	1	11/02/2023 05:44	WG2162809
Chloroform	0.157	J	0.111	0.500	1	11/02/2023 05:44	WG2162809
Chloromethane	U		0.960	1.25	1	11/02/2023 05:44	WG2162809
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 05:44	WG2162809
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 05:44	WG2162809
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/02/2023 05:44	WG2162809
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 05:44	WG2162809
Dibromomethane	U		0.122	0.500	1	11/02/2023 05:44	WG2162809
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 05:44	WG2162809
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 05:44	WG2162809
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 05:44	WG2162809
Dichlorodifluoromethane	U		0.374	2.50	1	11/02/2023 05:44	WG2162809
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 05:44	WG2162809
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 05:44	WG2162809
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 05:44	WG2162809
cis-1,2-Dichloroethene	2.29		0.126	0.500	1	11/02/2023 05:44	WG2162809
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 05:44	WG2162809
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 05:44	WG2162809
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 05:44	WG2162809
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 05:44	WG2162809
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 05:44	WG2162809
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 05:44	WG2162809
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 05:44	WG2162809
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 05:44	WG2162809
Di-isopropyl ether	U		0.105	0.500	1	11/02/2023 05:44	WG2162809
Ethylbenzene	U		0.137	0.500	1	11/02/2023 05:44	WG2162809
Hexachloro-1,3-butadiene	0.631	J	0.337	1.00	1	11/02/2023 05:44	WG2162809
2-Hexanone	U		0.787	5.00	1	11/02/2023 05:44	WG2162809
n-Hexane	U		0.749	5.00	1	11/02/2023 05:44	WG2162809
Iodomethane	U		0.554	5.00	1	11/02/2023 05:44	WG2162809
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 05:44	WG2162809
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 05:44	WG2162809
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 05:44	WG2162809

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	11/02/2023 05:44	WG2162809
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/02/2023 05:44	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 05:44	WG2162809
Naphthalene	U	C3	0.174	2.50	1	11/02/2023 05:44	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 05:44	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 05:44	WG2162809
1,1,1,2-Tetrachloroethane	U	J4	0.147	0.500	1	11/02/2023 05:44	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 05:44	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 05:44	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 05:44	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 05:44	WG2162809
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	11/02/2023 05:44	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 05:44	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 05:44	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 05:44	WG2162809
Trichloroethene	5.90		0.190	0.500	1	11/02/2023 05:44	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 05:44	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 05:44	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 05:44	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 05:44	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 05:44	WG2162809
Vinyl acetate	U	C3	0.692	5.00	1	11/02/2023 05:44	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 05:44	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 05:44	WG2162809
(S) Toluene-d8	*105*			*80.0-120*		*11/02/2023 05:44*	WG2162809
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*11/02/2023 05:44*	WG2162809
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*11/02/2023 05:44*	WG2162809

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	11/03/2023 06:02	WG2161902
Atrazine	U		0.255	10.0	1	11/03/2023 06:02	WG2161902
Benzaldehyde	U	J4	1.69	10.0	1	11/03/2023 06:02	WG2161902
Biphenyl	U		0.790	10.0	1	11/03/2023 06:02	WG2161902
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/03/2023 06:02	WG2161902
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/03/2023 06:02	WG2161902
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/03/2023 06:02	WG2161902
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/03/2023 06:02	WG2161902
Caprolactam	3.73	J	0.309	10.0	1	11/03/2023 06:02	WG2161902
Carbazole	U		0.111	10.0	1	11/03/2023 06:02	WG2161902
4-Chloroaniline	U		0.234	5.00	1	11/03/2023 06:02	WG2161902
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/03/2023 06:02	WG2161902
3,3-Dichlorobenzidine	U	J4	0.212	10.0	1	11/03/2023 06:02	WG2161902
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/03/2023 06:02	WG2161902
2,6-Dinitrotoluene	U		0.250	5.00	1	11/03/2023 06:02	WG2161902
Hexachloro-1,3-butadiene	0.323	J	0.0968	10.0	1	11/03/2023 06:02	WG2161902
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/03/2023 06:02	WG2161902
Hexachloroethane	U		0.127	5.00	1	11/03/2023 06:02	WG2161902
Isophorone	U		0.143	10.0	1	11/03/2023 06:02	WG2161902
2-Nitroaniline	U		0.102	10.0	1	11/03/2023 06:02	WG2161902
3-Nitroaniline	U		0.0869	5.00	1	11/03/2023 06:02	WG2161902
4-Nitroaniline	U		0.0910	5.00	1	11/03/2023 06:02	WG2161902
Nitrobenzene	U		0.297	10.0	1	11/03/2023 06:02	WG2161902
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/03/2023 06:02	WG2161902
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/03/2023 06:02	WG2161902

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	11/03/2023 06:02	WG2161902
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/03/2023 06:02	WG2161902
Di-n-butyl phthalate	U		0.453	3.00	1	11/03/2023 06:02	WG2161902
Diethyl phthalate	U		0.287	3.00	1	11/03/2023 06:02	WG2161902
Dimethyl phthalate	U		0.260	3.00	1	11/03/2023 06:02	WG2161902
Di-n-octyl phthalate	U		0.932	3.00	1	11/03/2023 06:02	WG2161902
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/03/2023 06:02	WG2161902
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/03/2023 06:02	WG2161902
2-Chlorophenol	U		0.133	1.00	1	11/03/2023 06:02	WG2161902
2-Methylphenol	U		0.0929	1.00	1	11/03/2023 06:02	WG2161902
3&4-Methyl Phenol	U		0.168	1.00	1	11/03/2023 06:02	WG2161902
2,4-Dichlorophenol	U		0.102	5.00	1	11/03/2023 06:02	WG2161902
2,4-Dimethylphenol	0.239	B J	0.0636	10.0	1	11/03/2023 06:02	WG2161902
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	11/03/2023 06:02	WG2161902
2,4-Dinitrophenol	U		5.93	10.0	1	11/03/2023 06:02	WG2161902
2-Nitrophenol	U		0.117	10.0	1	11/03/2023 06:02	WG2161902
4-Nitrophenol	U		0.143	10.0	1	11/03/2023 06:02	WG2161902
Pentachlorophenol	U		0.313	1.00	1	11/03/2023 06:02	WG2161902
Phenol	U		4.33	10.0	1	11/03/2023 06:02	WG2161902
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/03/2023 06:02	WG2161902
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/03/2023 06:02	WG2161902
(S) 2-Fluorophenol	*20.4*			*10.0-120*		*11/03/2023 06:02*	WG2161902
(S) Phenol-d5	*15.9*			*10.0-120*		*11/03/2023 06:02*	WG2161902
(S) Nitrobenzene-d5	*55.6*			*10.0-127*		*11/03/2023 06:02*	WG2161902
(S) 2-Fluorobiphenyl	*50.8*			*10.0-130*		*11/03/2023 06:02*	WG2161902
(S) 2,4,6-Tribromophenol	*40.4*			*10.0-155*		*11/03/2023 06:02*	WG2161902
(S) p-Terphenyl-d14	*47.1*			*10.0-128*		*11/03/2023 06:02*	WG2161902

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	11/02/2023 03:24	WG2161926
Acenaphthene	U		0.0190	0.0500	1	11/02/2023 03:24	WG2161926
Acenaphthylene	U		0.0171	0.0500	1	11/02/2023 03:24	WG2161926
Benzo(a)anthracene	U		0.0203	0.0500	1	11/02/2023 03:24	WG2161926
Benzo(a)pyrene	U		0.0184	0.0500	1	11/02/2023 03:24	WG2161926
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/02/2023 03:24	WG2161926
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/02/2023 03:24	WG2161926
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/02/2023 03:24	WG2161926
Chrysene	U		0.0179	0.0500	1	11/02/2023 03:24	WG2161926
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/02/2023 03:24	WG2161926
Dibenzofuran	U		0.0191	0.0500	1	11/02/2023 03:24	WG2161926
Fluoranthene	U		0.0270	0.100	1	11/02/2023 03:24	WG2161926
Fluorene	U		0.0169	0.0500	1	11/02/2023 03:24	WG2161926
Hexachlorobenzene	U		0.00670	0.0500	1	11/02/2023 03:24	WG2161926
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/02/2023 03:24	WG2161926
Naphthalene	U		0.0917	0.250	1	11/02/2023 03:24	WG2161926
Phenanthrene	U		0.0180	0.0500	1	11/02/2023 03:24	WG2161926
Pyrene	U		0.0169	0.0500	1	11/02/2023 03:24	WG2161926
1-Methylnaphthalene	U		0.0687	0.250	1	11/02/2023 03:24	WG2161926
2-Methylnaphthalene	U		0.0674	0.250	1	11/02/2023 03:24	WG2161926
2-Chloronaphthalene	U		0.0682	0.250	1	11/02/2023 03:24	WG2161926
(S) Nitrobenzene-d5	*67.0*			*31.0-160*		*11/02/2023 03:24*	WG2161926
(S) 2-Fluorobiphenyl	*66.5*			*48.0-148*		*11/02/2023 03:24*	WG2161926
(S) p-Terphenyl-d14	*60.5*			*37.0-146*		*11/02/2023 03:24*	WG2161926

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	11/07/2023 12:22	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 17:40	WG2160512
Acetone	U		11.3	25.0	1	11/02/2023 06:03	WG2162809
Acrylonitrile	U		0.671	5.00	1	11/02/2023 06:03	WG2162809
Benzene	U		0.0941	0.500	1	11/02/2023 06:03	WG2162809
Bromobenzene	U		0.118	0.500	1	11/02/2023 06:03	WG2162809
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 06:03	WG2162809
Bromochloromethane	U		0.128	0.500	1	11/02/2023 06:03	WG2162809
Bromoform	U		0.129	0.500	1	11/02/2023 06:03	WG2162809
Bromomethane	U	C3	0.605	2.50	1	11/02/2023 06:03	WG2162809
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 06:03	WG2162809
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 06:03	WG2162809
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 06:03	WG2162809
Carbon disulfide	U	C3	0.0962	0.500	1	11/02/2023 06:03	WG2162809
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 06:03	WG2162809
Chlorobenzene	U		0.117	0.500	1	11/02/2023 06:03	WG2162809
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 06:03	WG2162809
Chloroethane	U	C3	0.192	2.50	1	11/02/2023 06:03	WG2162809
2-Chloroethyl vinyl ether	U		0.575	50.0	1	11/02/2023 06:03	WG2162809
Chloroform	0.111	J	0.111	0.500	1	11/02/2023 06:03	WG2162809
Chloromethane	U		0.960	1.25	1	11/02/2023 06:03	WG2162809
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 06:03	WG2162809
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 06:03	WG2162809
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/02/2023 06:03	WG2162809
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 06:03	WG2162809
Dibromomethane	U		0.122	0.500	1	11/02/2023 06:03	WG2162809
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 06:03	WG2162809
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 06:03	WG2162809
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 06:03	WG2162809
Dichlorodifluoromethane	U		0.374	2.50	1	11/02/2023 06:03	WG2162809
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 06:03	WG2162809
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 06:03	WG2162809
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 06:03	WG2162809
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 06:03	WG2162809
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 06:03	WG2162809
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 06:03	WG2162809
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 06:03	WG2162809
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 06:03	WG2162809
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 06:03	WG2162809
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 06:03	WG2162809
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 06:03	WG2162809
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 06:03	WG2162809
Di-isopropyl ether	U		0.105	0.500	1	11/02/2023 06:03	WG2162809
Ethylbenzene	U		0.137	0.500	1	11/02/2023 06:03	WG2162809
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 06:03	WG2162809
2-Hexanone	U		0.787	5.00	1	11/02/2023 06:03	WG2162809
n-Hexane	U		0.749	5.00	1	11/02/2023 06:03	WG2162809
Iodomethane	U		0.554	5.00	1	11/02/2023 06:03	WG2162809
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 06:03	WG2162809
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 06:03	WG2162809
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 06:03	WG2162809

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	11/02/2023 06:03	WG2162809
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/02/2023 06:03	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 06:03	WG2162809
Naphthalene	U	C3	0.174	2.50	1	11/02/2023 06:03	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 06:03	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 06:03	WG2162809
1,1,1,2-Tetrachloroethane	U	J4	0.147	0.500	1	11/02/2023 06:03	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 06:03	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 06:03	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 06:03	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 06:03	WG2162809
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	11/02/2023 06:03	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 06:03	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 06:03	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 06:03	WG2162809
Trichloroethene	U		0.190	0.500	1	11/02/2023 06:03	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 06:03	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 06:03	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 06:03	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 06:03	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 06:03	WG2162809
Vinyl acetate	U	C3	0.692	5.00	1	11/02/2023 06:03	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 06:03	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 06:03	WG2162809
(S) Toluene-d8	*105*			*80.0-120*		*11/02/2023 06:03*	WG2162809
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*11/02/2023 06:03*	WG2162809
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*11/02/2023 06:03*	WG2162809

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	11/03/2023 06:23	WG2161902
Atrazine	U		0.255	10.0	1	11/03/2023 06:23	WG2161902
Benzaldehyde	U	J4	1.69	10.0	1	11/03/2023 06:23	WG2161902
Biphenyl	U		0.790	10.0	1	11/03/2023 06:23	WG2161902
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/03/2023 06:23	WG2161902
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/03/2023 06:23	WG2161902
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/03/2023 06:23	WG2161902
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/03/2023 06:23	WG2161902
Caprolactam	13.8		0.309	10.0	1	11/03/2023 06:23	WG2161902
Carbazole	U		0.111	10.0	1	11/03/2023 06:23	WG2161902
4-Chloroaniline	U		0.234	5.00	1	11/03/2023 06:23	WG2161902
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/03/2023 06:23	WG2161902
3,3-Dichlorobenzidine	U	J4	0.212	10.0	1	11/03/2023 06:23	WG2161902
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/03/2023 06:23	WG2161902
2,6-Dinitrotoluene	U		0.250	5.00	1	11/03/2023 06:23	WG2161902
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/03/2023 06:23	WG2161902
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/03/2023 06:23	WG2161902
Hexachloroethane	U		0.127	5.00	1	11/03/2023 06:23	WG2161902
Isophorone	U		0.143	10.0	1	11/03/2023 06:23	WG2161902
2-Nitroaniline	U		0.102	10.0	1	11/03/2023 06:23	WG2161902
3-Nitroaniline	U		0.0869	5.00	1	11/03/2023 06:23	WG2161902
4-Nitroaniline	U		0.0910	5.00	1	11/03/2023 06:23	WG2161902
Nitrobenzene	U		0.297	10.0	1	11/03/2023 06:23	WG2161902
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/03/2023 06:23	WG2161902
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/03/2023 06:23	WG2161902

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	11/03/2023 06:23	WG2161902
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/03/2023 06:23	WG2161902
Di-n-butyl phthalate	U		0.453	3.00	1	11/03/2023 06:23	WG2161902
Diethyl phthalate	U		0.287	3.00	1	11/03/2023 06:23	WG2161902
Dimethyl phthalate	U		0.260	3.00	1	11/03/2023 06:23	WG2161902
Di-n-octyl phthalate	U		0.932	3.00	1	11/03/2023 06:23	WG2161902
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/03/2023 06:23	WG2161902
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/03/2023 06:23	WG2161902
2-Chlorophenol	U		0.133	1.00	1	11/03/2023 06:23	WG2161902
2-Methylphenol	U		0.0929	1.00	1	11/03/2023 06:23	WG2161902
3&4-Methyl Phenol	U		0.168	1.00	1	11/03/2023 06:23	WG2161902
2,4-Dichlorophenol	U		0.102	5.00	1	11/03/2023 06:23	WG2161902
2,4-Dimethylphenol	0.285	B J	0.0636	10.0	1	11/03/2023 06:23	WG2161902
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	11/03/2023 06:23	WG2161902
2,4-Dinitrophenol	U		5.93	10.0	1	11/03/2023 06:23	WG2161902
2-Nitrophenol	U		0.117	10.0	1	11/03/2023 06:23	WG2161902
4-Nitrophenol	U		0.143	10.0	1	11/03/2023 06:23	WG2161902
Pentachlorophenol	U		0.313	1.00	1	11/03/2023 06:23	WG2161902
Phenol	U		4.33	10.0	1	11/03/2023 06:23	WG2161902
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/03/2023 06:23	WG2161902
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/03/2023 06:23	WG2161902
(S) 2-Fluorophenol	*21.1*			*10.0-120*		*11/03/2023 06:23*	WG2161902
(S) Phenol-d5	*15.0*			*10.0-120*		*11/03/2023 06:23*	WG2161902
(S) Nitrobenzene-d5	*50.2*			*10.0-127*		*11/03/2023 06:23*	WG2161902
(S) 2-Fluorobiphenyl	*54.8*			*10.0-130*		*11/03/2023 06:23*	WG2161902
(S) 2,4,6-Tribromophenol	*63.2*			*10.0-155*		*11/03/2023 06:23*	WG2161902
(S) p-Terphenyl-d14	*67.3*			*10.0-128*		*11/03/2023 06:23*	WG2161902

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	11/02/2023 03:41	WG2161926
Acenaphthene	U		0.0190	0.0500	1	11/02/2023 03:41	WG2161926
Acenaphthylene	U		0.0171	0.0500	1	11/02/2023 03:41	WG2161926
Benzo(a)anthracene	U		0.0203	0.0500	1	11/02/2023 03:41	WG2161926
Benzo(a)pyrene	U		0.0184	0.0500	1	11/02/2023 03:41	WG2161926
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/02/2023 03:41	WG2161926
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/02/2023 03:41	WG2161926
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/02/2023 03:41	WG2161926
Chrysene	U		0.0179	0.0500	1	11/02/2023 03:41	WG2161926
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/02/2023 03:41	WG2161926
Dibenzofuran	U		0.0191	0.0500	1	11/02/2023 03:41	WG2161926
Fluoranthene	U		0.0270	0.100	1	11/02/2023 03:41	WG2161926
Fluorene	U		0.0169	0.0500	1	11/02/2023 03:41	WG2161926
Hexachlorobenzene	U		0.00670	0.0500	1	11/02/2023 03:41	WG2161926
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/02/2023 03:41	WG2161926
Naphthalene	U		0.0917	0.250	1	11/02/2023 03:41	WG2161926
Phenanthrene	U		0.0180	0.0500	1	11/02/2023 03:41	WG2161926
Pyrene	U		0.0169	0.0500	1	11/02/2023 03:41	WG2161926
1-Methylnaphthalene	U		0.0687	0.250	1	11/02/2023 03:41	WG2161926
2-Methylnaphthalene	U		0.0674	0.250	1	11/02/2023 03:41	WG2161926
2-Chloronaphthalene	U		0.0682	0.250	1	11/02/2023 03:41	WG2161926
(S) Nitrobenzene-d5	*71.0*			*31.0-160*		*11/02/2023 03:41*	WG2161926
(S) 2-Fluorobiphenyl	*68.0*			*48.0-148*		*11/02/2023 03:41*	WG2161926
(S) p-Terphenyl-d14	*63.0*			*37.0-146*		*11/02/2023 03:41*	WG2161926

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	11/07/2023 12:25	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 18:04	WG2160512
Acetone	U		11.3	25.0	1	11/02/2023 06:22	WG2162809
Acrylonitrile	U		0.671	5.00	1	11/02/2023 06:22	WG2162809
Benzene	U		0.0941	0.500	1	11/02/2023 06:22	WG2162809
Bromobenzene	U		0.118	0.500	1	11/02/2023 06:22	WG2162809
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 06:22	WG2162809
Bromochloromethane	U		0.128	0.500	1	11/02/2023 06:22	WG2162809
Bromoform	U		0.129	0.500	1	11/02/2023 06:22	WG2162809
Bromomethane	U	C3	0.605	2.50	1	11/02/2023 06:22	WG2162809
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 06:22	WG2162809
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 06:22	WG2162809
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 06:22	WG2162809
Carbon disulfide	U	C3	0.0962	0.500	1	11/02/2023 06:22	WG2162809
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 06:22	WG2162809
Chlorobenzene	U		0.117	0.500	1	11/02/2023 06:22	WG2162809
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 06:22	WG2162809
Chloroethane	U	C3	0.192	2.50	1	11/02/2023 06:22	WG2162809
2-Chloroethyl vinyl ether	U		0.575	50.0	1	11/02/2023 06:22	WG2162809
Chloroform	0.124	J	0.111	0.500	1	11/02/2023 06:22	WG2162809
Chloromethane	U		0.960	1.25	1	11/02/2023 06:22	WG2162809
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 06:22	WG2162809
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 06:22	WG2162809
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/02/2023 06:22	WG2162809
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 06:22	WG2162809
Dibromomethane	U		0.122	0.500	1	11/02/2023 06:22	WG2162809
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 06:22	WG2162809
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 06:22	WG2162809
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 06:22	WG2162809
Dichlorodifluoromethane	U		0.374	2.50	1	11/02/2023 06:22	WG2162809
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 06:22	WG2162809
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 06:22	WG2162809
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 06:22	WG2162809
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 06:22	WG2162809
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 06:22	WG2162809
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 06:22	WG2162809
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 06:22	WG2162809
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 06:22	WG2162809
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 06:22	WG2162809
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 06:22	WG2162809
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 06:22	WG2162809
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 06:22	WG2162809
Di-isopropyl ether	U		0.105	0.500	1	11/02/2023 06:22	WG2162809
Ethylbenzene	U		0.137	0.500	1	11/02/2023 06:22	WG2162809
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 06:22	WG2162809
2-Hexanone	U		0.787	5.00	1	11/02/2023 06:22	WG2162809
n-Hexane	U		0.749	5.00	1	11/02/2023 06:22	WG2162809
Iodomethane	U		0.554	5.00	1	11/02/2023 06:22	WG2162809
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 06:22	WG2162809
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 06:22	WG2162809
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 06:22	WG2162809

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	11/02/2023 06:22	WG2162809
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/02/2023 06:22	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 06:22	WG2162809
Naphthalene	U	C3	0.174	2.50	1	11/02/2023 06:22	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 06:22	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 06:22	WG2162809
1,1,1,2-Tetrachloroethane	U	J4	0.147	0.500	1	11/02/2023 06:22	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 06:22	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 06:22	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 06:22	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 06:22	WG2162809
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	11/02/2023 06:22	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 06:22	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 06:22	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 06:22	WG2162809
Trichloroethene	U		0.190	0.500	1	11/02/2023 06:22	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 06:22	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 06:22	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 06:22	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 06:22	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 06:22	WG2162809
Vinyl acetate	U	C3	0.692	5.00	1	11/02/2023 06:22	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 06:22	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 06:22	WG2162809
(S) Toluene-d8	*106*			*80.0-120*		*11/02/2023 06:22*	WG2162809
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*11/02/2023 06:22*	WG2162809
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*11/02/2023 06:22*	WG2162809

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	11/03/2023 06:44	WG2161902
Atrazine	U		0.255	10.0	1	11/03/2023 06:44	WG2161902
Benzaldehyde	U	J4	1.69	10.0	1	11/03/2023 06:44	WG2161902
Biphenyl	U		0.790	10.0	1	11/03/2023 06:44	WG2161902
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/03/2023 06:44	WG2161902
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/03/2023 06:44	WG2161902
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/03/2023 06:44	WG2161902
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/03/2023 06:44	WG2161902
Caprolactam	6.21	J	0.309	10.0	1	11/03/2023 06:44	WG2161902
Carbazole	U		0.111	10.0	1	11/03/2023 06:44	WG2161902
4-Chloroaniline	U		0.234	5.00	1	11/03/2023 06:44	WG2161902
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/03/2023 06:44	WG2161902
3,3-Dichlorobenzidine	U	J4	0.212	10.0	1	11/03/2023 06:44	WG2161902
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/03/2023 06:44	WG2161902
2,6-Dinitrotoluene	U		0.250	5.00	1	11/03/2023 06:44	WG2161902
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/03/2023 06:44	WG2161902
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/03/2023 06:44	WG2161902
Hexachloroethane	U		0.127	5.00	1	11/03/2023 06:44	WG2161902
Isophorone	U		0.143	10.0	1	11/03/2023 06:44	WG2161902
2-Nitroaniline	U		0.102	10.0	1	11/03/2023 06:44	WG2161902
3-Nitroaniline	U		0.0869	5.00	1	11/03/2023 06:44	WG2161902
4-Nitroaniline	U		0.0910	5.00	1	11/03/2023 06:44	WG2161902
Nitrobenzene	U		0.297	10.0	1	11/03/2023 06:44	WG2161902
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/03/2023 06:44	WG2161902
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/03/2023 06:44	WG2161902

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	11/03/2023 06:44	WG2161902
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/03/2023 06:44	WG2161902
Di-n-butyl phthalate	U		0.453	3.00	1	11/03/2023 06:44	WG2161902
Diethyl phthalate	U		0.287	3.00	1	11/03/2023 06:44	WG2161902
Dimethyl phthalate	U		0.260	3.00	1	11/03/2023 06:44	WG2161902
Di-n-octyl phthalate	U		0.932	3.00	1	11/03/2023 06:44	WG2161902
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/03/2023 06:44	WG2161902
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/03/2023 06:44	WG2161902
2-Chlorophenol	U		0.133	1.00	1	11/03/2023 06:44	WG2161902
2-Methylphenol	U		0.0929	1.00	1	11/03/2023 06:44	WG2161902
3&4-Methyl Phenol	U		0.168	1.00	1	11/03/2023 06:44	WG2161902
2,4-Dichlorophenol	U		0.102	5.00	1	11/03/2023 06:44	WG2161902
2,4-Dimethylphenol	U		0.0636	10.0	1	11/03/2023 06:44	WG2161902
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	11/03/2023 06:44	WG2161902
2,4-Dinitrophenol	U		5.93	10.0	1	11/03/2023 06:44	WG2161902
2-Nitrophenol	U		0.117	10.0	1	11/03/2023 06:44	WG2161902
4-Nitrophenol	U		0.143	10.0	1	11/03/2023 06:44	WG2161902
Pentachlorophenol	U		0.313	1.00	1	11/03/2023 06:44	WG2161902
Phenol	U		4.33	10.0	1	11/03/2023 06:44	WG2161902
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/03/2023 06:44	WG2161902
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/03/2023 06:44	WG2161902
(S) 2-Fluorophenol	*19.8*			*10.0-120*		*11/03/2023 06:44*	WG2161902
(S) Phenol-d5	*13.9*			*10.0-120*		*11/03/2023 06:44*	WG2161902
(S) Nitrobenzene-d5	*52.7*			*10.0-127*		*11/03/2023 06:44*	WG2161902
(S) 2-Fluorobiphenyl	*57.3*			*10.0-130*		*11/03/2023 06:44*	WG2161902
(S) 2,4,6-Tribromophenol	*62.7*			*10.0-155*		*11/03/2023 06:44*	WG2161902
(S) p-Terphenyl-d14	*76.1*			*10.0-128*		*11/03/2023 06:44*	WG2161902

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	11/03/2023 01:53	WG2161927
Acenaphthene	U		0.0190	0.0500	1	11/03/2023 01:53	WG2161927
Acenaphthylene	U		0.0171	0.0500	1	11/03/2023 01:53	WG2161927
Benzo(a)anthracene	U		0.0203	0.0500	1	11/03/2023 01:53	WG2161927
Benzo(a)pyrene	0.0212	J	0.0184	0.0500	1	11/03/2023 01:53	WG2161927
Benzo(b)fluoranthene	0.0324	J	0.0168	0.0500	1	11/03/2023 01:53	WG2161927
Benzo(g,h,i)perylene	0.0198	J	0.0184	0.0500	1	11/03/2023 01:53	WG2161927
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/03/2023 01:53	WG2161927
Chrysene	0.0215	J	0.0179	0.0500	1	11/03/2023 01:53	WG2161927
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/03/2023 01:53	WG2161927
Dibenzofuran	U		0.0191	0.0500	1	11/03/2023 01:53	WG2161927
Fluoranthene	0.0378	J	0.0270	0.100	1	11/03/2023 01:53	WG2161927
Fluorene	U		0.0169	0.0500	1	11/03/2023 01:53	WG2161927
Hexachlorobenzene	U		0.00670	0.0500	1	11/03/2023 01:53	WG2161927
Indeno(1,2,3-cd)pyrene	0.0250	J	0.0158	0.0500	1	11/03/2023 01:53	WG2161927
Naphthalene	U		0.0917	0.250	1	11/03/2023 01:53	WG2161927
Phenanthrene	U		0.0180	0.0500	1	11/03/2023 01:53	WG2161927
Pyrene	0.0327	J	0.0169	0.0500	1	11/03/2023 01:53	WG2161927
1-Methylnaphthalene	U		0.0687	0.250	1	11/03/2023 01:53	WG2161927
2-Methylnaphthalene	U		0.0674	0.250	1	11/03/2023 01:53	WG2161927
2-Chloronaphthalene	U		0.0682	0.250	1	11/03/2023 01:53	WG2161927
(S) Nitrobenzene-d5	*98.4*			*31.0-160*		*11/03/2023 01:53*	WG2161927
(S) 2-Fluorobiphenyl	*82.6*			*48.0-148*		*11/03/2023 01:53*	WG2161927
(S) p-Terphenyl-d14	*84.7*			*37.0-146*		*11/03/2023 01:53*	WG2161927

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	11/07/2023 12:29	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 18:28	WG2160512
Acetone	U		11.3	25.0	1	11/02/2023 06:41	WG2162809
Acrylonitrile	U		0.671	5.00	1	11/02/2023 06:41	WG2162809
Benzene	U		0.0941	0.500	1	11/02/2023 06:41	WG2162809
Bromobenzene	U		0.118	0.500	1	11/02/2023 06:41	WG2162809
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 06:41	WG2162809
Bromochloromethane	U		0.128	0.500	1	11/02/2023 06:41	WG2162809
Bromoform	U		0.129	0.500	1	11/02/2023 06:41	WG2162809
Bromomethane	U	C3	0.605	2.50	1	11/02/2023 06:41	WG2162809
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 06:41	WG2162809
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 06:41	WG2162809
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 06:41	WG2162809
Carbon disulfide	U	C3	0.0962	0.500	1	11/02/2023 06:41	WG2162809
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 06:41	WG2162809
Chlorobenzene	U		0.117	0.500	1	11/02/2023 06:41	WG2162809
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 06:41	WG2162809
Chloroethane	U	C3	0.192	2.50	1	11/02/2023 06:41	WG2162809
2-Chloroethyl vinyl ether	U		0.575	50.0	1	11/02/2023 06:41	WG2162809
Chloroform	U		0.111	0.500	1	11/02/2023 06:41	WG2162809
Chloromethane	U		0.960	1.25	1	11/02/2023 06:41	WG2162809
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 06:41	WG2162809
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 06:41	WG2162809
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/02/2023 06:41	WG2162809
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 06:41	WG2162809
Dibromomethane	U		0.122	0.500	1	11/02/2023 06:41	WG2162809
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 06:41	WG2162809
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 06:41	WG2162809
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 06:41	WG2162809
Dichlorodifluoromethane	U		0.374	2.50	1	11/02/2023 06:41	WG2162809
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 06:41	WG2162809
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 06:41	WG2162809
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 06:41	WG2162809
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 06:41	WG2162809
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 06:41	WG2162809
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 06:41	WG2162809
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 06:41	WG2162809
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 06:41	WG2162809
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 06:41	WG2162809
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 06:41	WG2162809
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 06:41	WG2162809
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 06:41	WG2162809
Di-isopropyl ether	U		0.105	0.500	1	11/02/2023 06:41	WG2162809
Ethylbenzene	U		0.137	0.500	1	11/02/2023 06:41	WG2162809
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 06:41	WG2162809
2-Hexanone	U		0.787	5.00	1	11/02/2023 06:41	WG2162809
n-Hexane	U		0.749	5.00	1	11/02/2023 06:41	WG2162809
Iodomethane	U		0.554	5.00	1	11/02/2023 06:41	WG2162809
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 06:41	WG2162809
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 06:41	WG2162809
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 06:41	WG2162809

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	11/02/2023 06:41	WG2162809
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/02/2023 06:41	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 06:41	WG2162809
Naphthalene	U	C3	0.174	2.50	1	11/02/2023 06:41	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 06:41	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 06:41	WG2162809
1,1,1,2-Tetrachloroethane	U	J4	0.147	0.500	1	11/02/2023 06:41	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 06:41	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 06:41	WG2162809
Tetrachloroethene	0.601		0.300	0.500	1	11/02/2023 06:41	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 06:41	WG2162809
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	11/02/2023 06:41	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 06:41	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 06:41	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 06:41	WG2162809
Trichloroethene	U		0.190	0.500	1	11/02/2023 06:41	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 06:41	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 06:41	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 06:41	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 06:41	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 06:41	WG2162809
Vinyl acetate	U	C3	0.692	5.00	1	11/02/2023 06:41	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 06:41	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 06:41	WG2162809
(S) Toluene-d8	*105*			*80.0-120*		*11/02/2023 06:41*	WG2162809
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*11/02/2023 06:41*	WG2162809
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*11/02/2023 06:41*	WG2162809

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	11/03/2023 07:04	WG2161902
Atrazine	U		0.255	10.0	1	11/03/2023 07:04	WG2161902
Benzaldehyde	U	J4	1.69	10.0	1	11/03/2023 07:04	WG2161902
Biphenyl	U		0.790	10.0	1	11/03/2023 07:04	WG2161902
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/03/2023 07:04	WG2161902
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/03/2023 07:04	WG2161902
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/03/2023 07:04	WG2161902
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/03/2023 07:04	WG2161902
Caprolactam	29.5		0.309	10.0	1	11/03/2023 07:04	WG2161902
Carbazole	U		0.111	10.0	1	11/03/2023 07:04	WG2161902
4-Chloroaniline	U		0.234	5.00	1	11/03/2023 07:04	WG2161902
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/03/2023 07:04	WG2161902
3,3-Dichlorobenzidine	U	J4	0.212	10.0	1	11/03/2023 07:04	WG2161902
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/03/2023 07:04	WG2161902
2,6-Dinitrotoluene	U		0.250	5.00	1	11/03/2023 07:04	WG2161902
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/03/2023 07:04	WG2161902
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/03/2023 07:04	WG2161902
Hexachloroethane	U		0.127	5.00	1	11/03/2023 07:04	WG2161902
Isophorone	U		0.143	10.0	1	11/03/2023 07:04	WG2161902
2-Nitroaniline	U		0.102	10.0	1	11/03/2023 07:04	WG2161902
3-Nitroaniline	U		0.0869	5.00	1	11/03/2023 07:04	WG2161902
4-Nitroaniline	U		0.0910	5.00	1	11/03/2023 07:04	WG2161902
Nitrobenzene	U		0.297	10.0	1	11/03/2023 07:04	WG2161902
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/03/2023 07:04	WG2161902
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/03/2023 07:04	WG2161902

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	11/03/2023 07:04	WG2161902
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/03/2023 07:04	WG2161902
Di-n-butyl phthalate	U		0.453	3.00	1	11/03/2023 07:04	WG2161902
Diethyl phthalate	U		0.287	3.00	1	11/03/2023 07:04	WG2161902
Dimethyl phthalate	U		0.260	3.00	1	11/03/2023 07:04	WG2161902
Di-n-octyl phthalate	U		0.932	3.00	1	11/03/2023 07:04	WG2161902
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/03/2023 07:04	WG2161902
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/03/2023 07:04	WG2161902
2-Chlorophenol	U		0.133	1.00	1	11/03/2023 07:04	WG2161902
2-Methylphenol	U		0.0929	1.00	1	11/03/2023 07:04	WG2161902
3&4-Methyl Phenol	U		0.168	1.00	1	11/03/2023 07:04	WG2161902
2,4-Dichlorophenol	U		0.102	5.00	1	11/03/2023 07:04	WG2161902
2,4-Dimethylphenol	U		0.0636	10.0	1	11/03/2023 07:04	WG2161902
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	11/03/2023 07:04	WG2161902
2,4-Dinitrophenol	U		5.93	10.0	1	11/03/2023 07:04	WG2161902
2-Nitrophenol	U		0.117	10.0	1	11/03/2023 07:04	WG2161902
4-Nitrophenol	U		0.143	10.0	1	11/03/2023 07:04	WG2161902
Pentachlorophenol	U		0.313	1.00	1	11/03/2023 07:04	WG2161902
Phenol	U		4.33	10.0	1	11/03/2023 07:04	WG2161902
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/03/2023 07:04	WG2161902
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/03/2023 07:04	WG2161902
(S) 2-Fluorophenol	*23.6*			*10.0-120*		*11/03/2023 07:04*	WG2161902
(S) Phenol-d5	*17.2*			*10.0-120*		*11/03/2023 07:04*	WG2161902
(S) Nitrobenzene-d5	*32.8*			*10.0-127*		*11/03/2023 07:04*	WG2161902
(S) 2-Fluorobiphenyl	*34.7*			*10.0-130*		*11/03/2023 07:04*	WG2161902
(S) 2,4,6-Tribromophenol	*34.2*			*10.0-155*		*11/03/2023 07:04*	WG2161902
(S) p-Terphenyl-d14	*52.3*			*10.0-128*		*11/03/2023 07:04*	WG2161902

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	11/02/2023 03:59	WG2161926
Acenaphthene	U		0.0190	0.0500	1	11/02/2023 03:59	WG2161926
Acenaphthylene	U		0.0171	0.0500	1	11/02/2023 03:59	WG2161926
Benzo(a)anthracene	U		0.0203	0.0500	1	11/02/2023 03:59	WG2161926
Benzo(a)pyrene	U		0.0184	0.0500	1	11/02/2023 03:59	WG2161926
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/02/2023 03:59	WG2161926
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/02/2023 03:59	WG2161926
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/02/2023 03:59	WG2161926
Chrysene	U		0.0179	0.0500	1	11/02/2023 03:59	WG2161926
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/02/2023 03:59	WG2161926
Dibenzofuran	U		0.0191	0.0500	1	11/02/2023 03:59	WG2161926
Fluoranthene	U		0.0270	0.100	1	11/02/2023 03:59	WG2161926
Fluorene	U		0.0169	0.0500	1	11/02/2023 03:59	WG2161926
Hexachlorobenzene	U		0.00670	0.0500	1	11/02/2023 03:59	WG2161926
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/02/2023 03:59	WG2161926
Naphthalene	U		0.0917	0.250	1	11/02/2023 03:59	WG2161926
Phenanthrene	U		0.0180	0.0500	1	11/02/2023 03:59	WG2161926
Pyrene	U		0.0169	0.0500	1	11/02/2023 03:59	WG2161926
1-Methylnaphthalene	U		0.0687	0.250	1	11/02/2023 03:59	WG2161926
2-Methylnaphthalene	U		0.0674	0.250	1	11/02/2023 03:59	WG2161926
2-Chloronaphthalene	U		0.0682	0.250	1	11/02/2023 03:59	WG2161926
(S) Nitrobenzene-d5	*70.5*			*31.0-160*		*11/02/2023 03:59*	WG2161926
(S) 2-Fluorobiphenyl	*67.0*			*48.0-148*		*11/02/2023 03:59*	WG2161926
(S) p-Terphenyl-d14	*64.5*			*37.0-146*		*11/02/2023 03:59*	WG2161926

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	11/02/2023 02:15	WG2162809
Acrylonitrile	U		0.671	5.00	1	11/02/2023 02:15	WG2162809
Benzene	U		0.0941	0.500	1	11/02/2023 02:15	WG2162809
Bromobenzene	U		0.118	0.500	1	11/02/2023 02:15	WG2162809
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 02:15	WG2162809
Bromochloromethane	U		0.128	0.500	1	11/02/2023 02:15	WG2162809
Bromoform	U		0.129	0.500	1	11/02/2023 02:15	WG2162809
Bromomethane	U	C3	0.605	2.50	1	11/02/2023 02:15	WG2162809
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 02:15	WG2162809
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 02:15	WG2162809
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 02:15	WG2162809
Carbon disulfide	U	C3	0.0962	0.500	1	11/02/2023 02:15	WG2162809
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 02:15	WG2162809
Chlorobenzene	U		0.117	0.500	1	11/02/2023 02:15	WG2162809
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 02:15	WG2162809
Chloroethane	U	C3	0.192	2.50	1	11/02/2023 02:15	WG2162809
2-Chloroethyl vinyl ether	U		0.575	50.0	1	11/02/2023 02:15	WG2162809
Chloroform	U		0.111	0.500	1	11/02/2023 02:15	WG2162809
Chloromethane	U		0.960	1.25	1	11/02/2023 02:15	WG2162809
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 02:15	WG2162809
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 02:15	WG2162809
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/02/2023 02:15	WG2162809
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 02:15	WG2162809
Dibromomethane	U		0.122	0.500	1	11/02/2023 02:15	WG2162809
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 02:15	WG2162809
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 02:15	WG2162809
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 02:15	WG2162809
Dichlorodifluoromethane	U		0.374	2.50	1	11/02/2023 02:15	WG2162809
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 02:15	WG2162809
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 02:15	WG2162809
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 02:15	WG2162809
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 02:15	WG2162809
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 02:15	WG2162809
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 02:15	WG2162809
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 02:15	WG2162809
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 02:15	WG2162809
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 02:15	WG2162809
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 02:15	WG2162809
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 02:15	WG2162809
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 02:15	WG2162809
Di-isopropyl ether	U		0.105	0.500	1	11/02/2023 02:15	WG2162809
Ethylbenzene	U		0.137	0.500	1	11/02/2023 02:15	WG2162809
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 02:15	WG2162809
2-Hexanone	U		0.787	5.00	1	11/02/2023 02:15	WG2162809
n-Hexane	U		0.749	5.00	1	11/02/2023 02:15	WG2162809
Iodomethane	U		0.554	5.00	1	11/02/2023 02:15	WG2162809
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 02:15	WG2162809
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 02:15	WG2162809
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 02:15	WG2162809
Methylene Chloride	U		0.430	2.50	1	11/02/2023 02:15	WG2162809
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/02/2023 02:15	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 02:15	WG2162809
Naphthalene	U	C3	0.174	2.50	1	11/02/2023 02:15	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 02:15	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 02:15	WG2162809
1,1,1,2-Tetrachloroethane	U	J4	0.147	0.500	1	11/02/2023 02:15	WG2162809

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	11/02/2023 02:15	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 02:15	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 02:15	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 02:15	WG2162809
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	11/02/2023 02:15	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 02:15	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 02:15	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 02:15	WG2162809
Trichloroethene	U		0.190	0.500	1	11/02/2023 02:15	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 02:15	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 02:15	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 02:15	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 02:15	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 02:15	WG2162809
Vinyl acetate	U	C3	0.692	5.00	1	11/02/2023 02:15	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 02:15	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 02:15	WG2162809
(S) Toluene-d8	*108*			*80.0-120*		*11/02/2023 02:15*	WG2162809
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*11/02/2023 02:15*	WG2162809
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*11/02/2023 02:15*	WG2162809

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	11/07/2023 12:32	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 18:52	WG2160512
Acetone	U		11.3	25.0	1	11/02/2023 07:00	WG2162809
Acrylonitrile	U		0.671	5.00	1	11/02/2023 07:00	WG2162809
Benzene	U		0.0941	0.500	1	11/02/2023 07:00	WG2162809
Bromobenzene	U		0.118	0.500	1	11/02/2023 07:00	WG2162809
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 07:00	WG2162809
Bromochloromethane	U		0.128	0.500	1	11/02/2023 07:00	WG2162809
Bromoform	U		0.129	0.500	1	11/02/2023 07:00	WG2162809
Bromomethane	U	C3	0.605	2.50	1	11/02/2023 07:00	WG2162809
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 07:00	WG2162809
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 07:00	WG2162809
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 07:00	WG2162809
Carbon disulfide	U	C3	0.0962	0.500	1	11/02/2023 07:00	WG2162809
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 07:00	WG2162809
Chlorobenzene	U		0.117	0.500	1	11/02/2023 07:00	WG2162809
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 07:00	WG2162809
Chloroethane	U	C3	0.192	2.50	1	11/02/2023 07:00	WG2162809
2-Chloroethyl vinyl ether	U		0.575	50.0	1	11/02/2023 07:00	WG2162809
Chloroform	U		0.111	0.500	1	11/02/2023 07:00	WG2162809
Chloromethane	U		0.960	1.25	1	11/02/2023 07:00	WG2162809
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 07:00	WG2162809
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 07:00	WG2162809
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/02/2023 07:00	WG2162809
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 07:00	WG2162809
Dibromomethane	U		0.122	0.500	1	11/02/2023 07:00	WG2162809
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 07:00	WG2162809
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 07:00	WG2162809
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 07:00	WG2162809
Dichlorodifluoromethane	U		0.374	2.50	1	11/02/2023 07:00	WG2162809
1,1-Dichloroethane	0.585		0.100	0.500	1	11/02/2023 07:00	WG2162809
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 07:00	WG2162809
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 07:00	WG2162809
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 07:00	WG2162809
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 07:00	WG2162809
1,2-Dichloropropane	0.730		0.149	0.500	1	11/02/2023 07:00	WG2162809
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 07:00	WG2162809
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 07:00	WG2162809
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 07:00	WG2162809
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 07:00	WG2162809
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 07:00	WG2162809
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 07:00	WG2162809
Di-isopropyl ether	U		0.105	0.500	1	11/02/2023 07:00	WG2162809
Ethylbenzene	U		0.137	0.500	1	11/02/2023 07:00	WG2162809
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 07:00	WG2162809
2-Hexanone	U		0.787	5.00	1	11/02/2023 07:00	WG2162809
n-Hexane	U		0.749	5.00	1	11/02/2023 07:00	WG2162809
Iodomethane	U		0.554	5.00	1	11/02/2023 07:00	WG2162809
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 07:00	WG2162809
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 07:00	WG2162809
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 07:00	WG2162809

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	11/02/2023 07:00	WG2162809
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/02/2023 07:00	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 07:00	WG2162809
Naphthalene	U	C3	0.174	2.50	1	11/02/2023 07:00	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 07:00	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 07:00	WG2162809
1,1,1,2-Tetrachloroethane	U	J4	0.147	0.500	1	11/02/2023 07:00	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 07:00	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 07:00	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 07:00	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 07:00	WG2162809
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	11/02/2023 07:00	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 07:00	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 07:00	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 07:00	WG2162809
Trichloroethene	0.243	J	0.190	0.500	1	11/02/2023 07:00	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 07:00	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 07:00	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 07:00	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 07:00	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 07:00	WG2162809
Vinyl acetate	U	C3	0.692	5.00	1	11/02/2023 07:00	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 07:00	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 07:00	WG2162809
(S) Toluene-d8	*101*			*80.0-120*		*11/02/2023 07:00*	WG2162809
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*11/02/2023 07:00*	WG2162809
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*11/02/2023 07:00*	WG2162809

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	11/02/2023 00:54	WG2161005
Atrazine	U		0.255	10.0	1	11/02/2023 00:54	WG2161005
Benzaldehyde	U	J4	1.69	10.0	1	11/02/2023 00:54	WG2161005
Biphenyl	U		0.790	10.0	1	11/02/2023 00:54	WG2161005
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/02/2023 00:54	WG2161005
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/02/2023 00:54	WG2161005
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/02/2023 00:54	WG2161005
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/02/2023 00:54	WG2161005
Caprolactam	U		0.309	10.0	1	11/02/2023 00:54	WG2161005
Carbazole	U		0.111	10.0	1	11/02/2023 00:54	WG2161005
4-Chloroaniline	U		0.234	5.00	1	11/02/2023 00:54	WG2161005
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/02/2023 00:54	WG2161005
3,3-Dichlorobenzidine	U		0.212	10.0	1	11/02/2023 00:54	WG2161005
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/08/2023 21:04	WG2161005
2,6-Dinitrotoluene	U		0.250	5.00	1	11/02/2023 00:54	WG2161005
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/02/2023 00:54	WG2161005
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/02/2023 00:54	WG2161005
Hexachloroethane	U		0.127	5.00	1	11/02/2023 00:54	WG2161005
Isophorone	U		0.143	10.0	1	11/02/2023 00:54	WG2161005
2-Nitroaniline	U		0.102	10.0	1	11/02/2023 00:54	WG2161005
3-Nitroaniline	U		0.0869	5.00	1	11/02/2023 00:54	WG2161005
4-Nitroaniline	U		0.0910	5.00	1	11/02/2023 00:54	WG2161005
Nitrobenzene	U		0.297	10.0	1	11/02/2023 00:54	WG2161005
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/02/2023 00:54	WG2161005
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/02/2023 00:54	WG2161005

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	11/02/2023 00:54	WG2161005
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/02/2023 00:54	WG2161005
Di-n-butyl phthalate	U		0.453	3.00	1	11/02/2023 00:54	WG2161005
Diethyl phthalate	0.287	J	0.287	3.00	1	11/02/2023 00:54	WG2161005
Dimethyl phthalate	U		0.260	3.00	1	11/02/2023 00:54	WG2161005
Di-n-octyl phthalate	U		0.932	3.00	1	11/02/2023 00:54	WG2161005
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/02/2023 00:54	WG2161005
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/02/2023 00:54	WG2161005
2-Chlorophenol	U		0.133	1.00	1	11/02/2023 00:54	WG2161005
2-Methylphenol	U		0.0929	1.00	1	11/02/2023 00:54	WG2161005
3&4-Methyl Phenol	U		0.168	1.00	1	11/02/2023 00:54	WG2161005
2,4-Dichlorophenol	U		0.102	5.00	1	11/02/2023 00:54	WG2161005
2,4-Dimethylphenol	U		0.0636	10.0	1	11/02/2023 00:54	WG2161005
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	11/02/2023 00:54	WG2161005
2,4-Dinitrophenol	U		5.93	10.0	1	11/02/2023 00:54	WG2161005
2-Nitrophenol	U		0.117	10.0	1	11/02/2023 00:54	WG2161005
4-Nitrophenol	U	J4	0.143	10.0	1	11/02/2023 00:54	WG2161005
Pentachlorophenol	U		0.313	1.00	1	11/02/2023 00:54	WG2161005
Phenol	U		4.33	10.0	1	11/02/2023 00:54	WG2161005
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/02/2023 00:54	WG2161005
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/02/2023 00:54	WG2161005
(S) 2-Fluorophenol	*28.1*			*10.0-120*		*11/08/2023 21:04*	WG2161005
(S) 2-Fluorophenol	*30.6*			*10.0-120*		*11/02/2023 00:54*	WG2161005
(S) Phenol-d5	*19.3*			*10.0-120*		*11/02/2023 00:54*	WG2161005
(S) Phenol-d5	*19.2*			*10.0-120*		*11/08/2023 21:04*	WG2161005
(S) Nitrobenzene-d5	*71.8*			*10.0-127*		*11/08/2023 21:04*	WG2161005
(S) Nitrobenzene-d5	*65.8*			*10.0-127*		*11/02/2023 00:54*	WG2161005
(S) 2-Fluorobiphenyl	*64.4*			*10.0-130*		*11/08/2023 21:04*	WG2161005
(S) 2-Fluorobiphenyl	*59.8*			*10.0-130*		*11/02/2023 00:54*	WG2161005
(S) 2,4,6-Tribromophenol	*50.2*			*10.0-155*		*11/02/2023 00:54*	WG2161005
(S) 2,4,6-Tribromophenol	*52.5*			*10.0-155*		*11/08/2023 21:04*	WG2161005
(S) p-Terphenyl-d14	*59.6*			*10.0-128*		*11/02/2023 00:54*	WG2161005
(S) p-Terphenyl-d14	*64.4*			*10.0-128*		*11/08/2023 21:04*	WG2161005

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	11/01/2023 02:57	WG2161001
Acenaphthene	U		0.0190	0.0500	1	11/01/2023 02:57	WG2161001
Acenaphthylene	U		0.0171	0.0500	1	11/01/2023 02:57	WG2161001
Benzo(a)anthracene	U		0.0203	0.0500	1	11/01/2023 02:57	WG2161001
Benzo(a)pyrene	U		0.0184	0.0500	1	11/01/2023 02:57	WG2161001
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/01/2023 02:57	WG2161001
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/01/2023 02:57	WG2161001
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/01/2023 02:57	WG2161001
Chrysene	U		0.0179	0.0500	1	11/01/2023 02:57	WG2161001
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/01/2023 02:57	WG2161001
Dibenzofuran	U		0.0191	0.0500	1	11/01/2023 02:57	WG2161001
Fluoranthene	U		0.0270	0.100	1	11/01/2023 02:57	WG2161001
Fluorene	U		0.0169	0.0500	1	11/01/2023 02:57	WG2161001
Hexachlorobenzene	U		0.00670	0.0500	1	11/01/2023 02:57	WG2161001
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/01/2023 02:57	WG2161001
Naphthalene	U		0.0917	0.250	1	11/01/2023 02:57	WG2161001
Phenanthrene	0.0188	B J	0.0180	0.0500	1	11/01/2023 02:57	WG2161001
Pyrene	U		0.0169	0.0500	1	11/01/2023 02:57	WG2161001
1-Methylnaphthalene	U		0.0687	0.250	1	11/01/2023 02:57	WG2161001

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	11/01/2023 02:57	WG2161001
2-Chloronaphthalene	U		0.0682	0.250	1	11/01/2023 02:57	WG2161001
(S) Nitrobenzene-d5	*97.4*			*31.0-160*		*11/01/2023 02:57*	WG2161001
(S) 2-Fluorobiphenyl	*98.9*			*48.0-148*		*11/01/2023 02:57*	WG2161001
(S) p-Terphenyl-d14	*97.4*			*37.0-146*		*11/01/2023 02:57*	WG2161001

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	11/07/2023 12:35	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 19:16	WG2160512
Acetone	U		11.3	25.0	1	11/02/2023 07:19	WG2162809
Acrylonitrile	U		0.671	5.00	1	11/02/2023 07:19	WG2162809
Benzene	U		0.0941	0.500	1	11/02/2023 07:19	WG2162809
Bromobenzene	U		0.118	0.500	1	11/02/2023 07:19	WG2162809
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 07:19	WG2162809
Bromochloromethane	U		0.128	0.500	1	11/02/2023 07:19	WG2162809
Bromoform	U		0.129	0.500	1	11/02/2023 07:19	WG2162809
Bromomethane	U	C3	0.605	2.50	1	11/02/2023 07:19	WG2162809
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 07:19	WG2162809
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 07:19	WG2162809
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 07:19	WG2162809
Carbon disulfide	U	C3	0.0962	0.500	1	11/02/2023 07:19	WG2162809
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 07:19	WG2162809
Chlorobenzene	U		0.117	0.500	1	11/02/2023 07:19	WG2162809
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 07:19	WG2162809
Chloroethane	U	C3	0.192	2.50	1	11/02/2023 07:19	WG2162809
2-Chloroethyl vinyl ether	U		0.575	50.0	1	11/02/2023 07:19	WG2162809
Chloroform	U		0.111	0.500	1	11/02/2023 07:19	WG2162809
Chloromethane	U		0.960	1.25	1	11/02/2023 07:19	WG2162809
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 07:19	WG2162809
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 07:19	WG2162809
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/02/2023 07:19	WG2162809
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 07:19	WG2162809
Dibromomethane	U		0.122	0.500	1	11/02/2023 07:19	WG2162809
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 07:19	WG2162809
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 07:19	WG2162809
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 07:19	WG2162809
Dichlorodifluoromethane	U		0.374	2.50	1	11/02/2023 07:19	WG2162809
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 07:19	WG2162809
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 07:19	WG2162809
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 07:19	WG2162809
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 07:19	WG2162809
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 07:19	WG2162809
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 07:19	WG2162809
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 07:19	WG2162809
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 07:19	WG2162809
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 07:19	WG2162809
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 07:19	WG2162809
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 07:19	WG2162809
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 07:19	WG2162809
Di-isopropyl ether	U		0.105	0.500	1	11/02/2023 07:19	WG2162809
Ethylbenzene	U		0.137	0.500	1	11/02/2023 07:19	WG2162809
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 07:19	WG2162809
2-Hexanone	U		0.787	5.00	1	11/02/2023 07:19	WG2162809
n-Hexane	U		0.749	5.00	1	11/02/2023 07:19	WG2162809
Iodomethane	U		0.554	5.00	1	11/02/2023 07:19	WG2162809
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 07:19	WG2162809
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 07:19	WG2162809
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 07:19	WG2162809

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	11/02/2023 07:19	WG2162809
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/02/2023 07:19	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 07:19	WG2162809
Naphthalene	U	C3	0.174	2.50	1	11/02/2023 07:19	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 07:19	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 07:19	WG2162809
1,1,1,2-Tetrachloroethane	U	J4	0.147	0.500	1	11/02/2023 07:19	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 07:19	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 07:19	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 07:19	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 07:19	WG2162809
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	11/02/2023 07:19	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 07:19	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 07:19	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 07:19	WG2162809
Trichloroethene	U		0.190	0.500	1	11/02/2023 07:19	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 07:19	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 07:19	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 07:19	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 07:19	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 07:19	WG2162809
Vinyl acetate	U	C3	0.692	5.00	1	11/02/2023 07:19	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 07:19	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 07:19	WG2162809
(S) Toluene-d8	*103*			*80.0-120*		*11/02/2023 07:19*	WG2162809
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*11/02/2023 07:19*	WG2162809
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*11/02/2023 07:19*	WG2162809

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	11/04/2023 02:22	WG2162860
Atrazine	U		0.255	10.0	1	11/04/2023 02:22	WG2162860
Benzaldehyde	U	J4	1.69	10.0	1	11/08/2023 01:19	WG2162860
Biphenyl	U		0.790	10.0	1	11/04/2023 02:22	WG2162860
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/04/2023 02:22	WG2162860
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/04/2023 02:22	WG2162860
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/04/2023 02:22	WG2162860
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/04/2023 02:22	WG2162860
Caprolactam	U		0.309	10.0	1	11/04/2023 02:22	WG2162860
Carbazole	U		0.111	10.0	1	11/04/2023 02:22	WG2162860
4-Chloroaniline	U		0.234	5.00	1	11/04/2023 02:22	WG2162860
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/04/2023 02:22	WG2162860
3,3-Dichlorobenzidine	U		0.212	10.0	1	11/04/2023 02:22	WG2162860
2,4-Dinitrotoluene	U	J4	0.0983	5.00	1	11/04/2023 02:22	WG2162860
2,6-Dinitrotoluene	U		0.250	5.00	1	11/04/2023 02:22	WG2162860
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/04/2023 02:22	WG2162860
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/04/2023 02:22	WG2162860
Hexachloroethane	U		0.127	5.00	1	11/04/2023 02:22	WG2162860
Isophorone	U		0.143	10.0	1	11/04/2023 02:22	WG2162860
2-Nitroaniline	U		0.102	10.0	1	11/04/2023 02:22	WG2162860
3-Nitroaniline	U		0.0869	5.00	1	11/04/2023 02:22	WG2162860
4-Nitroaniline	U		0.0910	5.00	1	11/04/2023 02:22	WG2162860
Nitrobenzene	U		0.297	10.0	1	11/04/2023 02:22	WG2162860
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/04/2023 02:22	WG2162860
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/04/2023 02:22	WG2162860

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	11/04/2023 02:22	WG2162860
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/04/2023 02:22	WG2162860
Di-n-butyl phthalate	U		0.453	3.00	1	11/04/2023 02:22	WG2162860
Diethyl phthalate	U		0.287	3.00	1	11/04/2023 02:22	WG2162860
Dimethyl phthalate	U		0.260	3.00	1	11/04/2023 02:22	WG2162860
Di-n-octyl phthalate	U		0.932	3.00	1	11/04/2023 02:22	WG2162860
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/04/2023 02:22	WG2162860
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/04/2023 02:22	WG2162860
2-Chlorophenol	U		0.133	1.00	1	11/04/2023 02:22	WG2162860
2-Methylphenol	U		0.0929	1.00	1	11/04/2023 02:22	WG2162860
3&4-Methyl Phenol	U		0.168	1.00	1	11/04/2023 02:22	WG2162860
2,4-Dichlorophenol	U		0.102	5.00	1	11/04/2023 02:22	WG2162860
2,4-Dimethylphenol	U		0.0636	10.0	1	11/04/2023 02:22	WG2162860
4,6-Dinitro-2-methylphenol	U	J4	1.12	10.0	1	11/04/2023 02:22	WG2162860
2,4-Dinitrophenol	U	J4	5.93	10.0	1	11/04/2023 02:22	WG2162860
2-Nitrophenol	U		0.117	10.0	1	11/04/2023 02:22	WG2162860
4-Nitrophenol	U		0.143	10.0	1	11/04/2023 02:22	WG2162860
Pentachlorophenol	U		0.313	1.00	1	11/04/2023 02:22	WG2162860
Phenol	U		4.33	10.0	1	11/04/2023 02:22	WG2162860
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/04/2023 02:22	WG2162860
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/04/2023 02:22	WG2162860
(S) 2-Fluorophenol	*31.1*			*10.0-120*		*11/04/2023 02:22*	WG2162860
(S) 2-Fluorophenol	*35.8*			*10.0-120*		*11/08/2023 01:19*	WG2162860
(S) Phenol-d5	*26.8*			*10.0-120*		*11/08/2023 01:19*	WG2162860
(S) Phenol-d5	*18.6*			*10.0-120*		*11/04/2023 02:22*	WG2162860
(S) Nitrobenzene-d5	*73.1*			*10.0-127*		*11/08/2023 01:19*	WG2162860
(S) Nitrobenzene-d5	*67.4*			*10.0-127*		*11/04/2023 02:22*	WG2162860
(S) 2-Fluorobiphenyl	*67.8*			*10.0-130*		*11/04/2023 02:22*	WG2162860
(S) 2-Fluorobiphenyl	*67.8*			*10.0-130*		*11/08/2023 01:19*	WG2162860
(S) 2,4,6-Tribromophenol	*83.5*			*10.0-155*		*11/08/2023 01:19*	WG2162860
(S) 2,4,6-Tribromophenol	*71.0*			*10.0-155*		*11/04/2023 02:22*	WG2162860
(S) p-Terphenyl-d14	*87.0*			*10.0-128*		*11/04/2023 02:22*	WG2162860
(S) p-Terphenyl-d14	*91.7*			*10.0-128*		*11/08/2023 01:19*	WG2162860

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	11/03/2023 02:10	WG2161927
Acenaphthene	U		0.0190	0.0500	1	11/03/2023 02:10	WG2161927
Acenaphthylene	U		0.0171	0.0500	1	11/03/2023 02:10	WG2161927
Benzo(a)anthracene	U		0.0203	0.0500	1	11/03/2023 02:10	WG2161927
Benzo(a)pyrene	U		0.0184	0.0500	1	11/03/2023 02:10	WG2161927
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/03/2023 02:10	WG2161927
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/03/2023 02:10	WG2161927
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/03/2023 02:10	WG2161927
Chrysene	U		0.0179	0.0500	1	11/03/2023 02:10	WG2161927
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/03/2023 02:10	WG2161927
Dibenzofuran	U		0.0191	0.0500	1	11/03/2023 02:10	WG2161927
Fluoranthene	U		0.0270	0.100	1	11/03/2023 02:10	WG2161927
Fluorene	U		0.0169	0.0500	1	11/03/2023 02:10	WG2161927
Hexachlorobenzene	U		0.00670	0.0500	1	11/03/2023 02:10	WG2161927
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/03/2023 02:10	WG2161927
Naphthalene	U		0.0917	0.250	1	11/03/2023 02:10	WG2161927
Phenanthrene	U		0.0180	0.0500	1	11/03/2023 02:10	WG2161927
Pyrene	U		0.0169	0.0500	1	11/03/2023 02:10	WG2161927
1-Methylnaphthalene	U		0.0687	0.250	1	11/03/2023 02:10	WG2161927

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	11/03/2023 02:10	WG2161927
2-Chloronaphthalene	U		0.0682	0.250	1	11/03/2023 02:10	WG2161927
(S) Nitrobenzene-d5	*90.0*			*31.0-160*		*11/03/2023 02:10*	WG2161927
(S) 2-Fluorobiphenyl	*75.3*			*48.0-148*		*11/03/2023 02:10*	WG2161927
(S) p-Terphenyl-d14	*87.4*			*37.0-146*		*11/03/2023 02:10*	WG2161927

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	11/07/2023 12:39	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 19:40	WG2160512
Acetone	U		11.3	25.0	1	11/02/2023 07:38	WG2162809
Acrylonitrile	U		0.671	5.00	1	11/02/2023 07:38	WG2162809
Benzene	U		0.0941	0.500	1	11/02/2023 07:38	WG2162809
Bromobenzene	U		0.118	0.500	1	11/02/2023 07:38	WG2162809
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 07:38	WG2162809
Bromochloromethane	U		0.128	0.500	1	11/02/2023 07:38	WG2162809
Bromoform	U		0.129	0.500	1	11/02/2023 07:38	WG2162809
Bromomethane	U	C3	0.605	2.50	1	11/02/2023 07:38	WG2162809
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 07:38	WG2162809
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 07:38	WG2162809
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 07:38	WG2162809
Carbon disulfide	U	C3	0.0962	0.500	1	11/02/2023 07:38	WG2162809
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 07:38	WG2162809
Chlorobenzene	U		0.117	0.500	1	11/02/2023 07:38	WG2162809
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 07:38	WG2162809
Chloroethane	U	C3	0.192	2.50	1	11/02/2023 07:38	WG2162809
2-Chloroethyl vinyl ether	U		0.575	50.0	1	11/02/2023 07:38	WG2162809
Chloroform	1.24		0.111	0.500	1	11/02/2023 07:38	WG2162809
Chloromethane	U		0.960	1.25	1	11/02/2023 07:38	WG2162809
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 07:38	WG2162809
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 07:38	WG2162809
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/02/2023 07:38	WG2162809
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 07:38	WG2162809
Dibromomethane	U		0.122	0.500	1	11/02/2023 07:38	WG2162809
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 07:38	WG2162809
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 07:38	WG2162809
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 07:38	WG2162809
Dichlorodifluoromethane	U		0.374	2.50	1	11/02/2023 07:38	WG2162809
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 07:38	WG2162809
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 07:38	WG2162809
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 07:38	WG2162809
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 07:38	WG2162809
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 07:38	WG2162809
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 07:38	WG2162809
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 07:38	WG2162809
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 07:38	WG2162809
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 07:38	WG2162809
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 07:38	WG2162809
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 07:38	WG2162809
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 07:38	WG2162809
Di-isopropyl ether	U		0.105	0.500	1	11/02/2023 07:38	WG2162809
Ethylbenzene	U		0.137	0.500	1	11/02/2023 07:38	WG2162809
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 07:38	WG2162809
2-Hexanone	U		0.787	5.00	1	11/02/2023 07:38	WG2162809
n-Hexane	U		0.749	5.00	1	11/02/2023 07:38	WG2162809
Iodomethane	U		0.554	5.00	1	11/02/2023 07:38	WG2162809
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 07:38	WG2162809
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 07:38	WG2162809
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 07:38	WG2162809

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	11/02/2023 07:38	WG2162809
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/02/2023 07:38	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 07:38	WG2162809
Naphthalene	U	C3	0.174	2.50	1	11/02/2023 07:38	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 07:38	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 07:38	WG2162809
1,1,1,2-Tetrachloroethane	U	J4	0.147	0.500	1	11/02/2023 07:38	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 07:38	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 07:38	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 07:38	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 07:38	WG2162809
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	11/02/2023 07:38	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 07:38	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 07:38	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 07:38	WG2162809
Trichloroethene	U		0.190	0.500	1	11/02/2023 07:38	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 07:38	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 07:38	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 07:38	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 07:38	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 07:38	WG2162809
Vinyl acetate	U	C3	0.692	5.00	1	11/02/2023 07:38	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 07:38	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 07:38	WG2162809
(S) Toluene-d8	*104*			*80.0-120*		*11/02/2023 07:38*	WG2162809
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*11/02/2023 07:38*	WG2162809
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*11/02/2023 07:38*	WG2162809

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	11/04/2023 02:43	WG2162860
Atrazine	U		0.255	10.0	1	11/04/2023 02:43	WG2162860
Benzaldehyde	U	J4	1.69	10.0	1	11/08/2023 01:40	WG2162860
Biphenyl	U		0.790	10.0	1	11/04/2023 02:43	WG2162860
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/04/2023 02:43	WG2162860
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/04/2023 02:43	WG2162860
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/04/2023 02:43	WG2162860
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/04/2023 02:43	WG2162860
Caprolactam	U		0.309	10.0	1	11/04/2023 02:43	WG2162860
Carbazole	U		0.111	10.0	1	11/04/2023 02:43	WG2162860
4-Chloroaniline	U		0.234	5.00	1	11/04/2023 02:43	WG2162860
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/04/2023 02:43	WG2162860
3,3-Dichlorobenzidine	U		0.212	10.0	1	11/04/2023 02:43	WG2162860
2,4-Dinitrotoluene	U	J4	0.0983	5.00	1	11/04/2023 02:43	WG2162860
2,6-Dinitrotoluene	U		0.250	5.00	1	11/04/2023 02:43	WG2162860
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/04/2023 02:43	WG2162860
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/04/2023 02:43	WG2162860
Hexachloroethane	U		0.127	5.00	1	11/04/2023 02:43	WG2162860
Isophorone	U		0.143	10.0	1	11/04/2023 02:43	WG2162860
2-Nitroaniline	U		0.102	10.0	1	11/04/2023 02:43	WG2162860
3-Nitroaniline	U		0.0869	5.00	1	11/04/2023 02:43	WG2162860
4-Nitroaniline	U		0.0910	5.00	1	11/04/2023 02:43	WG2162860
Nitrobenzene	U		0.297	10.0	1	11/04/2023 02:43	WG2162860
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/04/2023 02:43	WG2162860
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/04/2023 02:43	WG2162860

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	11/04/2023 02:43	WG2162860
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/04/2023 02:43	WG2162860
Di-n-butyl phthalate	U		0.453	3.00	1	11/04/2023 02:43	WG2162860
Diethyl phthalate	U		0.287	3.00	1	11/04/2023 02:43	WG2162860
Dimethyl phthalate	U		0.260	3.00	1	11/04/2023 02:43	WG2162860
Di-n-octyl phthalate	U		0.932	3.00	1	11/04/2023 02:43	WG2162860
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/04/2023 02:43	WG2162860
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/04/2023 02:43	WG2162860
2-Chlorophenol	U		0.133	1.00	1	11/04/2023 02:43	WG2162860
2-Methylphenol	U		0.0929	1.00	1	11/04/2023 02:43	WG2162860
3&4-Methyl Phenol	U		0.168	1.00	1	11/04/2023 02:43	WG2162860
2,4-Dichlorophenol	U		0.102	5.00	1	11/04/2023 02:43	WG2162860
2,4-Dimethylphenol	U		0.0636	10.0	1	11/04/2023 02:43	WG2162860
4,6-Dinitro-2-methylphenol	U	J4	1.12	10.0	1	11/04/2023 02:43	WG2162860
2,4-Dinitrophenol	U	J4	5.93	10.0	1	11/04/2023 02:43	WG2162860
2-Nitrophenol	U		0.117	10.0	1	11/04/2023 02:43	WG2162860
4-Nitrophenol	U		0.143	10.0	1	11/04/2023 02:43	WG2162860
Pentachlorophenol	U		0.313	1.00	1	11/04/2023 02:43	WG2162860
Phenol	U		4.33	10.0	1	11/04/2023 02:43	WG2162860
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/04/2023 02:43	WG2162860
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/04/2023 02:43	WG2162860
(S) 2-Fluorophenol	*29.2*			*10.0-120*		*11/04/2023 02:43*	WG2162860
(S) 2-Fluorophenol	*36.5*			*10.0-120*		*11/08/2023 01:40*	WG2162860
(S) Phenol-d5	*18.4*			*10.0-120*		*11/04/2023 02:43*	WG2162860
(S) Phenol-d5	*25.7*			*10.0-120*		*11/08/2023 01:40*	WG2162860
(S) Nitrobenzene-d5	*64.1*			*10.0-127*		*11/04/2023 02:43*	WG2162860
(S) Nitrobenzene-d5	*73.6*			*10.0-127*		*11/08/2023 01:40*	WG2162860
(S) 2-Fluorobiphenyl	*64.8*			*10.0-130*		*11/04/2023 02:43*	WG2162860
(S) 2-Fluorobiphenyl	*67.1*			*10.0-130*		*11/08/2023 01:40*	WG2162860
(S) 2,4,6-Tribromophenol	*67.4*			*10.0-155*		*11/04/2023 02:43*	WG2162860
(S) 2,4,6-Tribromophenol	*75.3*			*10.0-155*		*11/08/2023 01:40*	WG2162860
(S) p-Terphenyl-d14	*87.1*			*10.0-128*		*11/08/2023 01:40*	WG2162860
(S) p-Terphenyl-d14	*81.3*			*10.0-128*		*11/04/2023 02:43*	WG2162860

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	11/03/2023 02:28	WG2161927
Acenaphthene	U		0.0190	0.0500	1	11/03/2023 02:28	WG2161927
Acenaphthylene	U		0.0171	0.0500	1	11/03/2023 02:28	WG2161927
Benzo(a)anthracene	U		0.0203	0.0500	1	11/03/2023 02:28	WG2161927
Benzo(a)pyrene	U		0.0184	0.0500	1	11/03/2023 02:28	WG2161927
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/03/2023 02:28	WG2161927
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/03/2023 02:28	WG2161927
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/03/2023 02:28	WG2161927
Chrysene	U		0.0179	0.0500	1	11/03/2023 02:28	WG2161927
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/03/2023 02:28	WG2161927
Dibenzofuran	U		0.0191	0.0500	1	11/03/2023 02:28	WG2161927
Fluoranthene	U		0.0270	0.100	1	11/03/2023 02:28	WG2161927
Fluorene	U		0.0169	0.0500	1	11/03/2023 02:28	WG2161927
Hexachlorobenzene	U		0.00670	0.0500	1	11/03/2023 02:28	WG2161927
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/03/2023 02:28	WG2161927
Naphthalene	U		0.0917	0.250	1	11/03/2023 02:28	WG2161927
Phenanthrene	U		0.0180	0.0500	1	11/03/2023 02:28	WG2161927
Pyrene	U		0.0169	0.0500	1	11/03/2023 02:28	WG2161927
1-Methylnaphthalene	U		0.0687	0.250	1	11/03/2023 02:28	WG2161927

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	11/03/2023 02:28	WG2161927
2-Chloronaphthalene	U		0.0682	0.250	1	11/03/2023 02:28	WG2161927
(S) Nitrobenzene-d5	*93.7*			*31.0-160*		*11/03/2023 02:28*	WG2161927
(S) 2-Fluorobiphenyl	*79.5*			*48.0-148*		*11/03/2023 02:28*	WG2161927
(S) p-Terphenyl-d14	*90.0*			*37.0-146*		*11/03/2023 02:28*	WG2161927

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	11/07/2023 12:53	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 20:04	WG2160512
Acetone	U		11.3	25.0	1	11/02/2023 07:57	WG2162809
Acrylonitrile	U		0.671	5.00	1	11/02/2023 07:57	WG2162809
Benzene	U		0.0941	0.500	1	11/02/2023 07:57	WG2162809
Bromobenzene	U		0.118	0.500	1	11/02/2023 07:57	WG2162809
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 07:57	WG2162809
Bromochloromethane	U		0.128	0.500	1	11/02/2023 07:57	WG2162809
Bromoform	U		0.129	0.500	1	11/02/2023 07:57	WG2162809
Bromomethane	U	C3	0.605	2.50	1	11/02/2023 07:57	WG2162809
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 07:57	WG2162809
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 07:57	WG2162809
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 07:57	WG2162809
Carbon disulfide	U	C3	0.0962	0.500	1	11/02/2023 07:57	WG2162809
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 07:57	WG2162809
Chlorobenzene	U		0.117	0.500	1	11/02/2023 07:57	WG2162809
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 07:57	WG2162809
Chloroethane	U	C3	0.192	2.50	1	11/02/2023 07:57	WG2162809
2-Chloroethyl vinyl ether	U		0.575	50.0	1	11/02/2023 07:57	WG2162809
Chloroform	1.04		0.111	0.500	1	11/02/2023 07:57	WG2162809
Chloromethane	U		0.960	1.25	1	11/02/2023 07:57	WG2162809
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 07:57	WG2162809
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 07:57	WG2162809
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/02/2023 07:57	WG2162809
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 07:57	WG2162809
Dibromomethane	U		0.122	0.500	1	11/02/2023 07:57	WG2162809
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 07:57	WG2162809
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 07:57	WG2162809
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 07:57	WG2162809
Dichlorodifluoromethane	U		0.374	2.50	1	11/02/2023 07:57	WG2162809
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 07:57	WG2162809
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 07:57	WG2162809
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 07:57	WG2162809
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 07:57	WG2162809
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 07:57	WG2162809
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 07:57	WG2162809
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 07:57	WG2162809
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 07:57	WG2162809
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 07:57	WG2162809
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 07:57	WG2162809
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 07:57	WG2162809
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 07:57	WG2162809
Di-isopropyl ether	U		0.105	0.500	1	11/02/2023 07:57	WG2162809
Ethylbenzene	U		0.137	0.500	1	11/02/2023 07:57	WG2162809
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 07:57	WG2162809
2-Hexanone	U		0.787	5.00	1	11/02/2023 07:57	WG2162809
n-Hexane	U		0.749	5.00	1	11/02/2023 07:57	WG2162809
Iodomethane	U		0.554	5.00	1	11/02/2023 07:57	WG2162809
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 07:57	WG2162809
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 07:57	WG2162809
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 07:57	WG2162809

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	11/02/2023 07:57	WG2162809
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/02/2023 07:57	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 07:57	WG2162809
Naphthalene	U	C3	0.174	2.50	1	11/02/2023 07:57	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 07:57	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 07:57	WG2162809
1,1,1,2-Tetrachloroethane	U	J4	0.147	0.500	1	11/02/2023 07:57	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 07:57	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 07:57	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 07:57	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 07:57	WG2162809
1,2,3-Trichlorobenzene	U	C3	0.164	0.500	1	11/02/2023 07:57	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 07:57	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 07:57	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 07:57	WG2162809
Trichloroethene	U		0.190	0.500	1	11/02/2023 07:57	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 07:57	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 07:57	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 07:57	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 07:57	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 07:57	WG2162809
Vinyl acetate	U	C3	0.692	5.00	1	11/02/2023 07:57	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 07:57	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 07:57	WG2162809
(S) Toluene-d8	*108*			*80.0-120*		*11/02/2023 07:57*	WG2162809
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*11/02/2023 07:57*	WG2162809
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*11/02/2023 07:57*	WG2162809

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	11/02/2023 01:15	WG2161005
Atrazine	U		0.255	10.0	1	11/02/2023 01:15	WG2161005
Benzaldehyde	U	J4	1.69	10.0	1	11/02/2023 01:15	WG2161005
Biphenyl	U		0.790	10.0	1	11/02/2023 01:15	WG2161005
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/02/2023 01:15	WG2161005
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/02/2023 01:15	WG2161005
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/02/2023 01:15	WG2161005
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/02/2023 01:15	WG2161005
Caprolactam	U		0.309	10.0	1	11/02/2023 01:15	WG2161005
Carbazole	U		0.111	10.0	1	11/02/2023 01:15	WG2161005
4-Chloroaniline	U		0.234	5.00	1	11/02/2023 01:15	WG2161005
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/02/2023 01:15	WG2161005
3,3-Dichlorobenzidine	U		0.212	10.0	1	11/02/2023 01:15	WG2161005
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/08/2023 21:25	WG2161005
2,6-Dinitrotoluene	U		0.250	5.00	1	11/02/2023 01:15	WG2161005
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/02/2023 01:15	WG2161005
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/02/2023 01:15	WG2161005
Hexachloroethane	U		0.127	5.00	1	11/02/2023 01:15	WG2161005
Isophorone	U		0.143	10.0	1	11/02/2023 01:15	WG2161005
2-Nitroaniline	U		0.102	10.0	1	11/02/2023 01:15	WG2161005
3-Nitroaniline	U		0.0869	5.00	1	11/02/2023 01:15	WG2161005
4-Nitroaniline	U		0.0910	5.00	1	11/02/2023 01:15	WG2161005
Nitrobenzene	U		0.297	10.0	1	11/02/2023 01:15	WG2161005
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/02/2023 01:15	WG2161005
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/02/2023 01:15	WG2161005

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	11/02/2023 01:15	WG2161005
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/02/2023 01:15	WG2161005
Di-n-butyl phthalate	U		0.453	3.00	1	11/02/2023 01:15	WG2161005
Diethyl phthalate	U		0.287	3.00	1	11/02/2023 01:15	WG2161005
Dimethyl phthalate	U		0.260	3.00	1	11/02/2023 01:15	WG2161005
Di-n-octyl phthalate	U		0.932	3.00	1	11/02/2023 01:15	WG2161005
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/02/2023 01:15	WG2161005
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/02/2023 01:15	WG2161005
2-Chlorophenol	U		0.133	1.00	1	11/02/2023 01:15	WG2161005
2-Methylphenol	U		0.0929	1.00	1	11/02/2023 01:15	WG2161005
3&4-Methyl Phenol	U		0.168	1.00	1	11/02/2023 01:15	WG2161005
2,4-Dichlorophenol	U		0.102	5.00	1	11/02/2023 01:15	WG2161005
2,4-Dimethylphenol	U		0.0636	10.0	1	11/02/2023 01:15	WG2161005
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	11/02/2023 01:15	WG2161005
2,4-Dinitrophenol	U		5.93	10.0	1	11/02/2023 01:15	WG2161005
2-Nitrophenol	U		0.117	10.0	1	11/02/2023 01:15	WG2161005
4-Nitrophenol	U	J4	0.143	10.0	1	11/02/2023 01:15	WG2161005
Pentachlorophenol	U		0.313	1.00	1	11/02/2023 01:15	WG2161005
Phenol	U		4.33	10.0	1	11/02/2023 01:15	WG2161005
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/02/2023 01:15	WG2161005
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/02/2023 01:15	WG2161005
(S) 2-Fluorophenol	*35.8*			*10.0-120*		*11/02/2023 01:15*	WG2161005
(S) 2-Fluorophenol	*32.7*			*10.0-120*		*11/08/2023 21:25*	WG2161005
(S) Phenol-d5	*20.3*			*10.0-120*		*11/08/2023 21:25*	WG2161005
(S) Phenol-d5	*21.9*			*10.0-120*		*11/02/2023 01:15*	WG2161005
(S) Nitrobenzene-d5	*78.7*			*10.0-127*		*11/08/2023 21:25*	WG2161005
(S) Nitrobenzene-d5	*72.2*			*10.0-127*		*11/02/2023 01:15*	WG2161005
(S) 2-Fluorobiphenyl	*65.5*			*10.0-130*		*11/02/2023 01:15*	WG2161005
(S) 2-Fluorobiphenyl	*67.4*			*10.0-130*		*11/08/2023 21:25*	WG2161005
(S) 2,4,6-Tribromophenol	*65.8*			*10.0-155*		*11/02/2023 01:15*	WG2161005
(S) 2,4,6-Tribromophenol	*67.9*			*10.0-155*		*11/08/2023 21:25*	WG2161005
(S) p-Terphenyl-d14	*90.3*			*10.0-128*		*11/08/2023 21:25*	WG2161005
(S) p-Terphenyl-d14	*80.7*			*10.0-128*		*11/02/2023 01:15*	WG2161005

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	11/01/2023 03:14	WG2161001
Acenaphthene	U		0.0190	0.0500	1	11/01/2023 03:14	WG2161001
Acenaphthylene	U		0.0171	0.0500	1	11/01/2023 03:14	WG2161001
Benzo(a)anthracene	U		0.0203	0.0500	1	11/01/2023 03:14	WG2161001
Benzo(a)pyrene	U		0.0184	0.0500	1	11/01/2023 03:14	WG2161001
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/01/2023 03:14	WG2161001
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/01/2023 03:14	WG2161001
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/01/2023 03:14	WG2161001
Chrysene	U		0.0179	0.0500	1	11/01/2023 03:14	WG2161001
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/01/2023 03:14	WG2161001
Dibenzofuran	U		0.0191	0.0500	1	11/01/2023 03:14	WG2161001
Fluoranthene	U		0.0270	0.100	1	11/01/2023 03:14	WG2161001
Fluorene	U		0.0169	0.0500	1	11/01/2023 03:14	WG2161001
Hexachlorobenzene	U		0.00670	0.0500	1	11/01/2023 03:14	WG2161001
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/01/2023 03:14	WG2161001
Naphthalene	U		0.0917	0.250	1	11/01/2023 03:14	WG2161001
Phenanthrene	0.0181	B J	0.0180	0.0500	1	11/01/2023 03:14	WG2161001
Pyrene	U		0.0169	0.0500	1	11/01/2023 03:14	WG2161001
1-Methylnaphthalene	U		0.0687	0.250	1	11/01/2023 03:14	WG2161001

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	11/01/2023 03:14	WG2161001
2-Chloronaphthalene	U		0.0682	0.250	1	11/01/2023 03:14	WG2161001
(S) Nitrobenzene-d5	*97.4*			*31.0-160*		*11/01/2023 03:14*	WG2161001
(S) 2-Fluorobiphenyl	*99.5*			*48.0-148*		*11/01/2023 03:14*	WG2161001
(S) p-Terphenyl-d14	*97.9*			*37.0-146*		*11/01/2023 03:14*	WG2161001

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	11/07/2023 12:57	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 20:28	WG2160512
Acetone	U	C3	11.3	25.0	1	11/03/2023 14:14	WG2164041
Acrylonitrile	U		0.671	5.00	1	11/03/2023 14:14	WG2164041
Benzene	0.242	J	0.0941	0.500	1	11/03/2023 14:14	WG2164041
Bromobenzene	U		0.118	0.500	1	11/03/2023 14:14	WG2164041
Bromodichloromethane	U		0.136	0.500	1	11/03/2023 14:14	WG2164041
Bromochloromethane	U		0.128	0.500	1	11/03/2023 14:14	WG2164041
Bromoform	U		0.129	0.500	1	11/03/2023 14:14	WG2164041
Bromomethane	U		0.605	2.50	1	11/03/2023 14:14	WG2164041
n-Butylbenzene	U		0.157	0.500	1	11/03/2023 14:14	WG2164041
sec-Butylbenzene	U		0.125	0.500	1	11/03/2023 14:14	WG2164041
tert-Butylbenzene	U		0.127	0.500	1	11/03/2023 14:14	WG2164041
Carbon disulfide	2.37		0.0962	0.500	1	11/03/2023 14:14	WG2164041
Carbon tetrachloride	U		0.128	0.500	1	11/03/2023 14:14	WG2164041
Chlorobenzene	U		0.117	0.500	1	11/03/2023 14:14	WG2164041
Chlorodibromomethane	U		0.140	0.500	1	11/03/2023 14:14	WG2164041
Chloroethane	U		0.192	2.50	1	11/03/2023 14:14	WG2164041
2-Chloroethyl vinyl ether	U		0.575	50.0	1	11/03/2023 14:14	WG2164041
Chloroform	1.31		0.111	0.500	1	11/03/2023 14:14	WG2164041
Chloromethane	U		0.960	1.25	1	11/03/2023 14:14	WG2164041
2-Chlorotoluene	U		0.106	0.500	1	11/03/2023 14:14	WG2164041
4-Chlorotoluene	U		0.114	0.500	1	11/03/2023 14:14	WG2164041
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/03/2023 14:14	WG2164041
1,2-Dibromoethane	U		0.126	0.500	1	11/03/2023 14:14	WG2164041
Dibromomethane	U		0.122	0.500	1	11/03/2023 14:14	WG2164041
1,2-Dichlorobenzene	U		0.107	0.500	1	11/03/2023 14:14	WG2164041
1,3-Dichlorobenzene	U		0.299	0.500	1	11/03/2023 14:14	WG2164041
1,4-Dichlorobenzene	U		0.120	0.500	1	11/03/2023 14:14	WG2164041
Dichlorodifluoromethane	U		0.374	2.50	1	11/03/2023 14:14	WG2164041
1,1-Dichloroethane	U		0.100	0.500	1	11/03/2023 14:14	WG2164041
1,2-Dichloroethane	U		0.0819	0.500	1	11/03/2023 14:14	WG2164041
1,1-Dichloroethene	U		0.188	0.500	1	11/03/2023 14:14	WG2164041
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/03/2023 14:14	WG2164041
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/03/2023 14:14	WG2164041
1,2-Dichloropropane	U		0.149	0.500	1	11/03/2023 14:14	WG2164041
1,1-Dichloropropene	U		0.142	0.500	1	11/03/2023 14:14	WG2164041
1,3-Dichloropropane	U		0.109	1.00	1	11/03/2023 14:14	WG2164041
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/03/2023 14:14	WG2164041
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/03/2023 14:14	WG2164041
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/03/2023 14:14	WG2164041
2,2-Dichloropropane	U		0.161	0.500	1	11/03/2023 14:14	WG2164041
Di-isopropyl ether	U		0.105	0.500	1	11/03/2023 14:14	WG2164041
Ethylbenzene	U		0.137	0.500	1	11/03/2023 14:14	WG2164041
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/03/2023 14:14	WG2164041
2-Hexanone	U		0.787	5.00	1	11/03/2023 14:14	WG2164041
n-Hexane	U		0.749	5.00	1	11/03/2023 14:14	WG2164041
Iodomethane	U		0.554	5.00	1	11/03/2023 14:14	WG2164041
Isopropylbenzene	U		0.105	0.500	1	11/03/2023 14:14	WG2164041
p-Isopropyltoluene	U		0.120	0.500	1	11/03/2023 14:14	WG2164041
2-Butanone (MEK)	U		1.19	5.00	1	11/03/2023 14:14	WG2164041

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	11/03/2023 14:14	WG2164041
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	11/03/2023 14:14	WG2164041
Methyl tert-butyl ether	U		0.101	0.500	1	11/03/2023 14:14	WG2164041
Naphthalene	U		0.174	2.50	1	11/03/2023 14:14	WG2164041
n-Propylbenzene	U		0.0993	0.500	1	11/03/2023 14:14	WG2164041
Styrene	U		0.118	0.500	1	11/03/2023 14:14	WG2164041
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	11/03/2023 14:14	WG2164041
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/03/2023 14:14	WG2164041
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/03/2023 14:14	WG2164041
Tetrachloroethene	U		0.300	0.500	1	11/03/2023 14:14	WG2164041
Toluene	U		0.278	0.500	1	11/03/2023 14:14	WG2164041
1,2,3-Trichlorobenzene	U		0.164	0.500	1	11/03/2023 14:14	WG2164041
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/03/2023 14:14	WG2164041
1,1,1-Trichloroethane	U		0.149	0.500	1	11/03/2023 14:14	WG2164041
1,1,2-Trichloroethane	U		0.158	0.500	1	11/03/2023 14:14	WG2164041
Trichloroethene	U		0.190	0.500	1	11/03/2023 14:14	WG2164041
Trichlorofluoromethane	U		0.160	2.50	1	11/03/2023 14:14	WG2164041
1,2,3-Trichloropropane	U		0.237	2.50	1	11/03/2023 14:14	WG2164041
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/03/2023 14:14	WG2164041
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/03/2023 14:14	WG2164041
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/03/2023 14:14	WG2164041
Vinyl acetate	U		0.692	5.00	1	11/03/2023 14:14	WG2164041
Vinyl chloride	U		0.234	0.500	1	11/03/2023 14:14	WG2164041
Xylenes, Total	U		0.174	1.50	1	11/03/2023 14:14	WG2164041
(S) Toluene-d8	*103*			*80.0-120*		*11/03/2023 14:14*	WG2164041
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*11/03/2023 14:14*	WG2164041
(S) 1,2-Dichloroethane-d4	*99.2*			*70.0-130*		*11/03/2023 14:14*	WG2164041

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	11/02/2023 01:36	WG2161005
Atrazine	U		0.255	10.0	1	11/02/2023 01:36	WG2161005
Benzaldehyde	U	J4	1.69	10.0	1	11/02/2023 01:36	WG2161005
Biphenyl	U		0.790	10.0	1	11/02/2023 01:36	WG2161005
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/02/2023 01:36	WG2161005
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/02/2023 01:36	WG2161005
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/02/2023 01:36	WG2161005
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/02/2023 01:36	WG2161005
Caprolactam	U		0.309	10.0	1	11/02/2023 01:36	WG2161005
Carbazole	U		0.111	10.0	1	11/02/2023 01:36	WG2161005
4-Chloroaniline	U		0.234	5.00	1	11/02/2023 01:36	WG2161005
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/02/2023 01:36	WG2161005
3,3-Dichlorobenzidine	U		0.212	10.0	1	11/02/2023 01:36	WG2161005
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/08/2023 21:46	WG2161005
2,6-Dinitrotoluene	U		0.250	5.00	1	11/02/2023 01:36	WG2161005
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/02/2023 01:36	WG2161005
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/02/2023 01:36	WG2161005
Hexachloroethane	U		0.127	5.00	1	11/02/2023 01:36	WG2161005
Isophorone	U		0.143	10.0	1	11/02/2023 01:36	WG2161005
2-Nitroaniline	U		0.102	10.0	1	11/02/2023 01:36	WG2161005
3-Nitroaniline	U		0.0869	5.00	1	11/02/2023 01:36	WG2161005
4-Nitroaniline	U		0.0910	5.00	1	11/02/2023 01:36	WG2161005
Nitrobenzene	U		0.297	10.0	1	11/02/2023 01:36	WG2161005
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/02/2023 01:36	WG2161005
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/02/2023 01:36	WG2161005

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	11/02/2023 01:36	WG2161005
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/02/2023 01:36	WG2161005
Di-n-butyl phthalate	U		0.453	3.00	1	11/02/2023 01:36	WG2161005
Diethyl phthalate	U		0.287	3.00	1	11/02/2023 01:36	WG2161005
Dimethyl phthalate	U		0.260	3.00	1	11/02/2023 01:36	WG2161005
Di-n-octyl phthalate	U		0.932	3.00	1	11/02/2023 01:36	WG2161005
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/02/2023 01:36	WG2161005
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/02/2023 01:36	WG2161005
2-Chlorophenol	U		0.133	1.00	1	11/02/2023 01:36	WG2161005
2-Methylphenol	U		0.0929	1.00	1	11/02/2023 01:36	WG2161005
3&4-Methyl Phenol	U		0.168	1.00	1	11/02/2023 01:36	WG2161005
2,4-Dichlorophenol	U		0.102	5.00	1	11/02/2023 01:36	WG2161005
2,4-Dimethylphenol	U		0.0636	10.0	1	11/02/2023 01:36	WG2161005
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	11/02/2023 01:36	WG2161005
2,4-Dinitrophenol	U		5.93	10.0	1	11/02/2023 01:36	WG2161005
2-Nitrophenol	U		0.117	10.0	1	11/02/2023 01:36	WG2161005
4-Nitrophenol	U	J4	0.143	10.0	1	11/02/2023 01:36	WG2161005
Pentachlorophenol	U		0.313	1.00	1	11/02/2023 01:36	WG2161005
Phenol	U		4.33	10.0	1	11/02/2023 01:36	WG2161005
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/02/2023 01:36	WG2161005
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/02/2023 01:36	WG2161005
(S) 2-Fluorophenol	*29.7*			*10.0-120*		*11/08/2023 21:46*	WG2161005
(S) 2-Fluorophenol	*33.1*			*10.0-120*		*11/02/2023 01:36*	WG2161005
(S) Phenol-d5	*20.3*			*10.0-120*		*11/08/2023 21:46*	WG2161005
(S) Phenol-d5	*20.8*			*10.0-120*		*11/02/2023 01:36*	WG2161005
(S) Nitrobenzene-d5	*74.1*			*10.0-127*		*11/08/2023 21:46*	WG2161005
(S) Nitrobenzene-d5	*66.8*			*10.0-127*		*11/02/2023 01:36*	WG2161005
(S) 2-Fluorobiphenyl	*62.2*			*10.0-130*		*11/02/2023 01:36*	WG2161005
(S) 2-Fluorobiphenyl	*64.4*			*10.0-130*		*11/08/2023 21:46*	WG2161005
(S) 2,4,6-Tribromophenol	*62.1*			*10.0-155*		*11/02/2023 01:36*	WG2161005
(S) 2,4,6-Tribromophenol	*64.7*			*10.0-155*		*11/08/2023 21:46*	WG2161005
(S) p-Terphenyl-d14	*77.7*			*10.0-128*		*11/02/2023 01:36*	WG2161005
(S) p-Terphenyl-d14	*87.5*			*10.0-128*		*11/08/2023 21:46*	WG2161005

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	11/01/2023 03:32	WG2161001
Acenaphthene	U		0.0190	0.0500	1	11/01/2023 03:32	WG2161001
Acenaphthylene	U		0.0171	0.0500	1	11/01/2023 03:32	WG2161001
Benzo(a)anthracene	U		0.0203	0.0500	1	11/01/2023 03:32	WG2161001
Benzo(a)pyrene	U		0.0184	0.0500	1	11/01/2023 03:32	WG2161001
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/01/2023 03:32	WG2161001
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/01/2023 03:32	WG2161001
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/01/2023 03:32	WG2161001
Chrysene	U		0.0179	0.0500	1	11/01/2023 03:32	WG2161001
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/01/2023 03:32	WG2161001
Dibenzofuran	U		0.0191	0.0500	1	11/01/2023 03:32	WG2161001
Fluoranthene	U		0.0270	0.100	1	11/01/2023 03:32	WG2161001
Fluorene	U		0.0169	0.0500	1	11/01/2023 03:32	WG2161001
Hexachlorobenzene	U		0.00670	0.0500	1	11/01/2023 03:32	WG2161001
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/01/2023 03:32	WG2161001
Naphthalene	U		0.0917	0.250	1	11/01/2023 03:32	WG2161001
Phenanthrene	U		0.0180	0.0500	1	11/01/2023 03:32	WG2161001
Pyrene	U		0.0169	0.0500	1	11/01/2023 03:32	WG2161001
1-Methylnaphthalene	U		0.0687	0.250	1	11/01/2023 03:32	WG2161001

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	11/01/2023 03:32	WG2161001
2-Chloronaphthalene	U		0.0682	0.250	1	11/01/2023 03:32	WG2161001
(S) Nitrobenzene-d5	*95.3*			*31.0-160*		*11/01/2023 03:32*	WG2161001
(S) 2-Fluorobiphenyl	*100*			*48.0-148*		*11/01/2023 03:32*	WG2161001
(S) p-Terphenyl-d14	*98.4*			*37.0-146*		*11/01/2023 03:32*	WG2161001

Method Blank (MB)

(MB) R3996694-1 11/07/23 10:22

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) R3996694-2 11/07/23 10:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead,Dissolved	50.0	53.1	106	80.0-120	

L1671446-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671446-04 11/07/23 10:29 • (MS) R3996694-4 11/07/23 10:35 • (MSD) R3996694-5 11/07/23 10:39

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	51.3	51.4	103	103	1	75.0-125			0.233	20

Method Blank (MB)

(MB) R3994320-2 11/01/23 12:00

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) R3994320-1 11/01/23 11:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2-Dibromo-3-chloropropane	0.0500	0.0660	132	70.0-130	J4

Method Blank (MB)

(MB) R3994543-2 11/02/23 10:38

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) R3994543-1 11/02/23 10:14

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2-Dibromo-3-chloropropane	0.0500	0.0640	128	70.0-130	

L1671446-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671446-04 11/02/23 11:02 • (MS) R3994543-3 11/02/23 13:02 • (MSD) R3994543-4 11/02/23 13:26

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	0.0680	0.0610	136	122	1	70.0-130	J5		10.9	20

Method Blank (MB)

(MB) R3994711-3 11/02/23 01:03

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) R3994711-3 11/02/23 01:03

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
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	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*

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

(LCS) R3994711-1 11/01/23 23:28 • (LCSD) R3994711-2 11/01/23 23:47

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	21.0	21.0	84.0	84.0	19.0-160			0.000	27
Acrylonitrile	25.0	27.9	26.7	112	107	55.0-149			4.40	20
Benzene	5.00	5.11	5.18	102	104	70.0-123			1.36	20
Bromobenzene	5.00	5.54	5.68	111	114	73.0-121			2.50	20
Bromodichloromethane	5.00	5.19	5.19	104	104	75.0-120			0.000	20
Bromochloromethane	5.00	5.77	5.67	115	113	76.0-122			1.75	20
Bromoform	5.00	5.61	5.71	112	114	68.0-132			1.77	20
Bromomethane	5.00	3.80	4.00	76.0	80.0	10.0-160			5.13	25
n-Butylbenzene	5.00	5.06	5.51	101	110	73.0-125			8.51	20
sec-Butylbenzene	5.00	4.76	5.14	95.2	103	75.0-125			7.68	20
tert-Butylbenzene	5.00	5.05	5.28	101	106	76.0-124			4.45	20
Carbon disulfide	5.00	3.96	4.10	79.2	82.0	61.0-128			3.47	20
Carbon tetrachloride	5.00	5.60	5.84	112	117	68.0-126			4.20	20
Chlorobenzene	5.00	5.93	6.00	119	120	80.0-121			1.17	20
Chlorodibromomethane	5.00	6.00	6.32	120	126	77.0-125		J4	5.19	20
Chloroethane	5.00	3.77	4.29	75.4	85.8	47.0-150			12.9	20
2-Chloroethyl vinyl ether	25.0	29.1	28.8	116	115	51.0-160			1.04	20
Chloroform	5.00	5.04	5.05	101	101	73.0-120			0.198	20
Chloromethane	5.00	5.01	4.59	100	91.8	41.0-142			8.75	20
2-Chlorotoluene	5.00	5.34	5.58	107	112	76.0-123			4.40	20
4-Chlorotoluene	5.00	5.09	5.25	102	105	75.0-122			3.09	20
1,2-Dibromo-3-Chloropropane	5.00	4.31	4.73	86.2	94.6	58.0-134			9.29	20
1,2-Dibromoethane	5.00	5.81	5.91	116	118	80.0-122			1.71	20
Dibromomethane	5.00	5.33	4.97	107	99.4	80.0-120			6.99	20
1,2-Dichlorobenzene	5.00	5.69	6.10	114	122	79.0-121		J4	6.96	20
1,3-Dichlorobenzene	5.00	5.63	5.78	113	116	79.0-120			2.63	20
1,4-Dichlorobenzene	5.00	5.27	5.71	105	114	79.0-120			8.01	20
Dichlorodifluoromethane	5.00	5.96	5.94	119	119	51.0-149			0.336	20
1,1-Dichloroethane	5.00	5.11	5.22	102	104	70.0-126			2.13	20
1,2-Dichloroethane	5.00	4.90	5.10	98.0	102	70.0-128			4.00	20
1,1-Dichloroethene	5.00	5.30	5.32	106	106	71.0-124			0.377	20
cis-1,2-Dichloroethene	5.00	5.07	4.85	101	97.0	73.0-120			4.44	20
trans-1,2-Dichloroethene	5.00	4.81	4.94	96.2	98.8	73.0-120			2.67	20
1,2-Dichloropropane	5.00	5.42	5.43	108	109	77.0-125			0.184	20
1,1-Dichloropropene	5.00	4.97	5.11	99.4	102	74.0-126			2.78	20
1,3-Dichloropropane	5.00	5.36	5.46	107	109	80.0-120			1.85	20
cis-1,3-Dichloropropene	5.00	5.26	5.13	105	103	80.0-123			2.50	20
trans-1,3-Dichloropropene	5.00	5.52	5.46	110	109	78.0-124			1.09	20
trans-1,4-Dichloro-2-butene	5.00	5.40	5.65	108	113	33.0-144			4.52	20
2,2-Dichloropropane	5.00	4.13	4.33	82.6	86.6	58.0-130			4.73	20

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

(LCS) R3994711-1 11/01/23 23:28 • (LCSD) R3994711-2 11/01/23 23:47

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	6.04	6.05	121	121	58.0-138			0.165	20
Ethylbenzene	5.00	5.68	5.82	114	116	79.0-123			2.43	20
Hexachloro-1,3-butadiene	5.00	4.56	5.16	91.2	103	54.0-138			12.3	20
2-Hexanone	25.0	29.6	29.1	118	116	67.0-149			1.70	20
n-Hexane	5.00	5.48	5.49	110	110	57.0-133			0.182	20
Iodomethane	25.0	27.6	27.4	110	110	33.0-147			0.727	26
Isopropylbenzene	5.00	5.56	5.86	111	117	76.0-127			5.25	20
p-Isopropyltoluene	5.00	4.85	5.48	97.0	110	76.0-125			12.2	20
2-Butanone (MEK)	25.0	28.1	31.4	112	126	44.0-160			11.1	20
Methylene Chloride	5.00	4.25	4.35	85.0	87.0	67.0-120			2.33	20
4-Methyl-2-pentanone (MIBK)	25.0	31.5	31.1	126	124	68.0-142			1.28	20
Methyl tert-butyl ether	5.00	5.13	5.02	103	100	68.0-125			2.17	20
Naphthalene	5.00	3.10	3.49	62.0	69.8	54.0-135			11.8	20
n-Propylbenzene	5.00	4.73	5.05	94.6	101	77.0-124			6.54	20
Styrene	5.00	5.20	5.50	104	110	73.0-130			5.61	20
1,1,1,2-Tetrachloroethane	5.00	6.18	6.34	124	127	75.0-125		J4	2.56	20
1,1,2,2-Tetrachloroethane	5.00	4.83	5.03	96.6	101	65.0-130			4.06	20
1,1,2-Trichlorotrifluoroethane	5.00	5.12	5.05	102	101	69.0-132			1.38	20
Tetrachloroethene	5.00	5.92	6.02	118	120	72.0-132			1.68	20
Toluene	5.00	5.45	5.52	109	110	79.0-120			1.28	20
1,2,3-Trichlorobenzene	5.00	2.75	3.28	55.0	65.6	50.0-138			17.6	20
1,2,4-Trichlorobenzene	5.00	4.10	4.53	82.0	90.6	57.0-137			9.97	20
1,1,1-Trichloroethane	5.00	5.48	5.51	110	110	73.0-124			0.546	20
1,1,2-Trichloroethane	5.00	5.83	5.67	117	113	80.0-120			2.78	20
Trichloroethene	5.00	5.68	5.75	114	115	78.0-124			1.22	20
Trichlorofluoromethane	5.00	5.51	5.54	110	111	59.0-147			0.543	20
1,2,3-Trichloropropane	5.00	5.26	5.16	105	103	73.0-130			1.92	20
1,2,4-Trimethylbenzene	5.00	4.97	5.27	99.4	105	76.0-121			5.86	20
1,2,3-Trimethylbenzene	5.00	4.77	5.35	95.4	107	77.0-120			11.5	20
1,3,5-Trimethylbenzene	5.00	4.90	5.18	98.0	104	76.0-122			5.56	20
Vinyl acetate	25.0	18.0	19.5	72.0	78.0	11.0-160			8.00	20
Vinyl chloride	5.00	4.34	4.43	86.8	88.6	67.0-131			2.05	20
Xylenes, Total	15.0	17.9	18.4	119	123	79.0-123			2.75	20
(S) Toluene-d8				*107*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*103*	*104*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*98.8*	*101*	*70.0-130*				

Method Blank (MB)

(MB) R3995546-3 11/03/23 09:45

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	0.174	J	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) R3995546-3 11/03/23 09:45

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
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	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*

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

(LCS) R3995546-1 11/03/23 08:48 • (LCSD) R3995546-2 11/03/23 09:07

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	14.4	17.9	57.6	71.6	19.0-160			21.7	27
Acrylonitrile	25.0	25.2	24.4	101	97.6	55.0-149			3.23	20
Benzene	5.00	4.99	5.20	99.8	104	70.0-123			4.12	20
Bromobenzene	5.00	4.50	5.14	90.0	103	73.0-121			13.3	20
Bromodichloromethane	5.00	5.17	5.44	103	109	75.0-120			5.09	20
Bromochloromethane	5.00	4.57	4.88	91.4	97.6	76.0-122			6.56	20
Bromoform	5.00	4.10	4.49	82.0	89.8	68.0-132			9.08	20
Bromomethane	5.00	6.33	6.58	127	132	10.0-160			3.87	25
n-Butylbenzene	5.00	5.20	5.81	104	116	73.0-125			11.1	20
sec-Butylbenzene	5.00	4.96	5.82	99.2	116	75.0-125			16.0	20
tert-Butylbenzene	5.00	4.88	5.72	97.6	114	76.0-124			15.8	20
Carbon disulfide	5.00	5.45	6.02	109	120	61.0-128			9.94	20
Carbon tetrachloride	5.00	5.30	5.50	106	110	68.0-126			3.70	20
Chlorobenzene	5.00	4.87	5.22	97.4	104	80.0-121			6.94	20
Chlorodibromomethane	5.00	4.73	5.20	94.6	104	77.0-125			9.47	20
Chloroethane	5.00	5.71	6.15	114	123	47.0-150			7.42	20
2-Chloroethyl vinyl ether	25.0	25.1	27.0	100	108	51.0-160			7.29	20
Chloroform	5.00	5.06	5.26	101	105	73.0-120			3.88	20
Chloromethane	5.00	5.40	6.11	108	122	41.0-142			12.3	20
2-Chlorotoluene	5.00	4.75	5.55	95.0	111	76.0-123			15.5	20
4-Chlorotoluene	5.00	4.97	5.63	99.4	113	75.0-122			12.5	20
1,2-Dibromo-3-Chloropropane	5.00	4.24	5.12	84.8	102	58.0-134			18.8	20
1,2-Dibromoethane	5.00	4.91	5.49	98.2	110	80.0-122			11.2	20
Dibromomethane	5.00	5.04	5.36	101	107	80.0-120			6.15	20
1,2-Dichlorobenzene	5.00	4.75	5.61	95.0	112	79.0-121			16.6	20
1,3-Dichlorobenzene	5.00	4.76	5.47	95.2	109	79.0-120			13.9	20
1,4-Dichlorobenzene	5.00	4.89	5.89	97.8	118	79.0-120			18.6	20
Dichlorodifluoromethane	5.00	5.43	5.95	109	119	51.0-149			9.14	20
1,1-Dichloroethane	5.00	5.02	5.17	100	103	70.0-126			2.94	20
1,2-Dichloroethane	5.00	4.59	4.79	91.8	95.8	70.0-128			4.26	20
1,1-Dichloroethene	5.00	4.80	5.15	96.0	103	71.0-124			7.04	20
cis-1,2-Dichloroethene	5.00	5.18	5.17	104	103	73.0-120			0.193	20
trans-1,2-Dichloroethene	5.00	5.46	5.60	109	112	73.0-120			2.53	20
1,2-Dichloropropane	5.00	4.90	5.07	98.0	101	77.0-125			3.41	20
1,1-Dichloropropene	5.00	5.11	5.46	102	109	74.0-126			6.62	20
1,3-Dichloropropane	5.00	4.67	5.16	93.4	103	80.0-120			9.97	20
cis-1,3-Dichloropropene	5.00	5.14	5.46	103	109	80.0-123			6.04	20
trans-1,3-Dichloropropene	5.00	4.64	5.03	92.8	101	78.0-124			8.07	20
trans-1,4-Dichloro-2-butene	5.00	4.47	4.60	89.4	92.0	33.0-144			2.87	20
2,2-Dichloropropane	5.00	4.99	4.92	99.8	98.4	58.0-130			1.41	20

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

(LCS) R3995546-1 11/03/23 08:48 • (LCSD) R3995546-2 11/03/23 09:07

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	4.70	4.91	94.0	98.2	58.0-138			4.37	20
Ethylbenzene	5.00	5.08	5.29	102	106	79.0-123			4.05	20
Hexachloro-1,3-butadiene	5.00	4.92	5.58	98.4	112	54.0-138			12.6	20
2-Hexanone	25.0	23.9	25.2	95.6	101	67.0-149			5.30	20
n-Hexane	5.00	5.54	5.69	111	114	57.0-133			2.67	20
Iodomethane	25.0	26.7	28.0	107	112	33.0-147			4.75	26
Isopropylbenzene	5.00	5.09	5.50	102	110	76.0-127			7.74	20
p-Isopropyltoluene	5.00	5.04	5.82	101	116	76.0-125			14.4	20
2-Butanone (MEK)	25.0	21.0	21.8	84.0	87.2	44.0-160			3.74	20
Methylene Chloride	5.00	4.98	5.14	99.6	103	67.0-120			3.16	20
4-Methyl-2-pentanone (MIBK)	25.0	23.9	26.4	95.6	106	68.0-142			9.94	20
Methyl tert-butyl ether	5.00	5.12	5.21	102	104	68.0-125			1.74	20
Naphthalene	5.00	5.24	6.11	105	122	54.0-135			15.3	20
n-Propylbenzene	5.00	4.93	5.86	98.6	117	77.0-124			17.2	20
Styrene	5.00	4.58	4.94	91.6	98.8	73.0-130			7.56	20
1,1,1,2-Tetrachloroethane	5.00	4.66	4.96	93.2	99.2	75.0-125			6.24	20
1,1,2,2-Tetrachloroethane	5.00	4.76	5.69	95.2	114	65.0-130			17.8	20
1,1,2-Trichlorotrifluoroethane	5.00	5.60	5.94	112	119	69.0-132			5.89	20
Tetrachloroethene	5.00	4.67	5.03	93.4	101	72.0-132			7.42	20
Toluene	5.00	4.79	5.13	95.8	103	79.0-120			6.85	20
1,2,3-Trichlorobenzene	5.00	5.68	6.48	114	130	50.0-138			13.2	20
1,2,4-Trichlorobenzene	5.00	5.32	6.29	106	126	57.0-137			16.7	20
1,1,1-Trichloroethane	5.00	5.38	5.54	108	111	73.0-124			2.93	20
1,1,2-Trichloroethane	5.00	4.99	5.47	99.8	109	80.0-120			9.18	20
Trichloroethene	5.00	4.58	4.90	91.6	98.0	78.0-124			6.75	20
Trichlorofluoromethane	5.00	6.80	5.74	136	115	59.0-147			16.9	20
1,2,3-Trichloropropane	5.00	4.78	5.77	95.6	115	73.0-130			18.8	20
1,2,4-Trimethylbenzene	5.00	4.59	5.31	91.8	106	76.0-121			14.5	20
1,2,3-Trimethylbenzene	5.00	4.78	5.46	95.6	109	77.0-120			13.3	20
1,3,5-Trimethylbenzene	5.00	4.63	5.50	92.6	110	76.0-122			17.2	20
Vinyl acetate	25.0	26.1	24.4	104	97.6	11.0-160			6.73	20
Vinyl chloride	5.00	5.50	5.80	110	116	67.0-131			5.31	20
Xylenes, Total	15.0	14.6	15.6	97.3	104	79.0-123			6.62	20
(S) Toluene-d8				*99.4*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.5*	*99.7*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*96.1*	*98.6*	*70.0-130*				

L1671751-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671751-07 11/03/23 17:05 • (MS) R3995546-4 11/03/23 19:36 • (MSD) R3995546-5 11/03/23 19:55

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	27.1	20.9	108	83.6	1	10.0-160			25.8	35
Acrylonitrile	25.0	U	30.9	30.6	124	122	1	21.0-160			0.976	32
Benzene	5.00	U	6.24	5.74	125	115	1	17.0-158			8.35	27
Bromobenzene	5.00	U	5.76	5.36	115	107	1	30.0-149			7.19	28
Bromodichloromethane	5.00	U	6.45	6.04	129	121	1	31.0-150			6.57	27
Bromochloromethane	5.00	U	5.86	5.55	117	111	1	38.0-142			5.43	26
Bromoform	5.00	U	5.15	5.15	103	103	1	29.0-150			0.000	29
Bromomethane	5.00	U	8.49	7.85	170	157	1	10.0-160	J5		7.83	38
n-Butylbenzene	5.00	U	6.17	6.34	123	127	1	31.0-150			2.72	30
sec-Butylbenzene	5.00	U	6.32	6.30	126	126	1	33.0-155			0.317	29
tert-Butylbenzene	5.00	U	6.18	6.08	124	122	1	34.0-153			1.63	28
Carbon disulfide	5.00	0.174	6.63	6.27	129	122	1	10.0-156			5.58	28
Carbon tetrachloride	5.00	U	6.61	6.54	132	131	1	23.0-159			1.06	28
Chlorobenzene	5.00	U	6.22	5.82	124	116	1	33.0-152			6.64	27
Chlorodibromomethane	5.00	U	5.94	5.59	119	112	1	37.0-149			6.07	27
Chloroethane	5.00	U	7.69	7.29	154	146	1	10.0-160			5.34	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	6.49	5.89	130	118	1	29.0-154			9.69	28
Chloromethane	5.00	U	7.24	7.10	145	142	1	10.0-160			1.95	29
2-Chlorotoluene	5.00	U	6.40	5.78	128	116	1	32.0-153			10.2	28
4-Chlorotoluene	5.00	U	6.37	6.22	127	124	1	32.0-150			2.38	28
1,2-Dibromo-3-Chloropropane	5.00	U	4.88	5.16	97.6	103	1	22.0-151			5.58	34
1,2-Dibromoethane	5.00	U	6.24	5.99	125	120	1	34.0-147			4.09	27
Dibromomethane	5.00	U	6.29	6.04	126	121	1	30.0-151			4.06	27
1,2-Dichlorobenzene	5.00	U	6.08	5.78	122	116	1	34.0-149			5.06	28
1,3-Dichlorobenzene	5.00	U	6.18	5.85	124	117	1	36.0-146			5.49	27
1,4-Dichlorobenzene	5.00	U	6.49	6.13	130	123	1	35.0-142			5.71	27
Dichlorodifluoromethane	5.00	U	7.46	7.08	149	142	1	10.0-160			5.23	29
1,1-Dichloroethane	5.00	U	6.31	5.98	126	120	1	25.0-158			5.37	27
1,2-Dichloroethane	5.00	U	5.53	5.40	111	108	1	29.0-151			2.38	27
1,1-Dichloroethene	5.00	U	6.18	6.01	124	120	1	11.0-160			2.79	29
cis-1,2-Dichloroethene	5.00	U	6.39	6.12	128	122	1	10.0-160			4.32	27
trans-1,2-Dichloroethene	5.00	U	6.73	6.45	135	129	1	17.0-153			4.25	27
1,2-Dichloropropane	5.00	U	6.17	5.71	123	114	1	30.0-156			7.74	27
1,1-Dichloropropene	5.00	U	6.32	6.18	126	124	1	25.0-158			2.24	27
1,3-Dichloropropane	5.00	U	5.89	5.65	118	113	1	38.0-147			4.16	27
cis-1,3-Dichloropropene	5.00	U	6.16	5.79	123	116	1	34.0-149			6.19	28
trans-1,3-Dichloropropene	5.00	U	5.58	5.33	112	107	1	32.0-149			4.58	28
trans-1,4-Dichloro-2-butene	5.00	U	5.26	4.87	105	97.4	1	10.0-157			7.70	37
2,2-Dichloropropane	5.00	U	6.08	6.02	122	120	1	24.0-152			0.992	29

L1671751-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671751-07 11/03/23 17:05 • (MS) R3995546-4 11/03/23 19:36 • (MSD) R3995546-5 11/03/23 19:55

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	5.82	5.44	116	109	1	21.0-160			6.75	28
Ethylbenzene	5.00	U	6.36	6.03	127	121	1	30.0-155			5.33	27
Hexachloro-1,3-butadiene	5.00	U	5.48	5.97	110	119	1	20.0-154			8.56	34
2-Hexanone	25.0	U	28.6	28.4	114	114	1	21.0-160			0.702	29
n-Hexane	5.00	U	6.82	6.62	136	132	1	10.0-153			2.98	28
Iodomethane	25.0	U	33.7	31.6	135	126	1	10.0-160			6.43	40
Isopropylbenzene	5.00	U	6.36	6.30	127	126	1	28.0-157			0.948	27
p-Isopropyltoluene	5.00	U	6.21	6.24	124	125	1	30.0-154			0.482	29
2-Butanone (MEK)	25.0	U	23.7	22.4	94.8	89.6	1	10.0-160			5.64	32
Methylene Chloride	5.00	U	5.98	5.64	120	113	1	23.0-144			5.85	28
4-Methyl-2-pentanone (MIBK)	25.0	U	29.1	29.3	116	117	1	29.0-160			0.685	29
Methyl tert-butyl ether	5.00	U	6.21	5.94	124	119	1	28.0-150			4.44	29
Naphthalene	5.00	U	5.65	6.27	113	125	1	12.0-156			10.4	35
n-Propylbenzene	5.00	U	6.55	6.24	131	125	1	31.0-154			4.85	28
Styrene	5.00	U	5.77	5.50	115	110	1	33.0-155			4.79	28
1,1,1,2-Tetrachloroethane	5.00	U	5.88	5.60	118	112	1	36.0-151			4.88	29
1,1,2,2-Tetrachloroethane	5.00	U	6.35	5.94	127	119	1	33.0-150			6.67	28
1,1,2-Trichlorotrifluoroethane	5.00	U	7.73	7.22	155	144	1	23.0-160			6.82	30
Tetrachloroethene	5.00	U	5.81	5.50	116	110	1	10.0-160			5.48	27
Toluene	5.00	5.04	11.4	10.8	127	115	1	26.0-154			5.41	28
1,2,3-Trichlorobenzene	5.00	U	6.05	6.42	121	128	1	17.0-150			5.93	36
1,2,4-Trichlorobenzene	5.00	U	6.17	6.39	123	128	1	24.0-150			3.50	33
1,1,1-Trichloroethane	5.00	U	6.79	6.58	136	132	1	23.0-160			3.14	28
1,1,2-Trichloroethane	5.00	U	6.28	6.03	126	121	1	35.0-147			4.06	27
Trichloroethene	5.00	U	6.07	5.65	121	113	1	10.0-160			7.17	25
Trichlorofluoromethane	5.00	U	7.45	7.14	149	143	1	17.0-160			4.25	31
1,2,3-Trichloropropane	5.00	U	6.41	6.14	128	123	1	34.0-151			4.30	29
1,2,4-Trimethylbenzene	5.00	U	5.73	5.60	115	112	1	26.0-154			2.29	27
1,2,3-Trimethylbenzene	5.00	U	5.93	5.85	119	117	1	32.0-149			1.36	28
1,3,5-Trimethylbenzene	5.00	U	5.98	5.98	120	120	1	28.0-153			0.000	27
Vinyl acetate	25.0	U	32.4	31.0	130	124	1	12.0-160			4.42	31
Vinyl chloride	5.00	U	7.76	7.28	155	146	1	10.0-160			6.38	27
Xylenes, Total	15.0	U	18.3	17.8	122	119	1	29.0-154			2.77	28
(S) Toluene-d8					*101*	*100*		*80.0-120*				
(S) 4-Bromofluorobenzene					*95.8*	*102*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*98.4*	*99.6*		*70.0-130*				

Method Blank (MB)

(MB) R3996627-3 11/04/23 07:03

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) R3996627-3 11/04/23 07:03

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
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	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.3*			*70.0-130*

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

(LCS) R3996627-1 11/04/23 06:06 • (LCSD) R3996627-2 11/04/23 06:25

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	13.8	12.3	55.2	49.2	19.0-160			11.5	27
Acrylonitrile	25.0	24.2	20.6	96.8	82.4	55.0-149			16.1	20
Benzene	5.00	5.09	5.01	102	100	70.0-123			1.58	20
Bromobenzene	5.00	4.89	5.08	97.8	102	73.0-121			3.81	20
Bromodichloromethane	5.00	5.29	5.19	106	104	75.0-120			1.91	20
Bromochloromethane	5.00	4.52	4.61	90.4	92.2	76.0-122			1.97	20
Bromoform	5.00	4.22	4.08	84.4	81.6	68.0-132			3.37	20
Bromomethane	5.00	6.71	7.53	134	151	10.0-160			11.5	25
n-Butylbenzene	5.00	5.83	5.28	117	106	73.0-125			9.90	20
sec-Butylbenzene	5.00	5.54	5.37	111	107	75.0-125			3.12	20
tert-Butylbenzene	5.00	5.54	5.43	111	109	76.0-124			2.01	20
Carbon disulfide	5.00	5.26	4.94	105	98.8	61.0-128			6.27	20
Carbon tetrachloride	5.00	5.30	4.99	106	99.8	68.0-126			6.03	20
Chlorobenzene	5.00	5.14	5.10	103	102	80.0-121			0.781	20
Chlorodibromomethane	5.00	5.05	4.88	101	97.6	77.0-125			3.42	20
Chloroethane	5.00	6.00	6.71	120	134	47.0-150			11.2	20
2-Chloroethyl vinyl ether	25.0	24.7	25.5	98.8	102	51.0-160			3.19	20
Chloroform	5.00	5.10	4.90	102	98.0	73.0-120			4.00	20
Chloromethane	5.00	5.91	6.56	118	131	41.0-142			10.4	20
2-Chlorotoluene	5.00	5.45	5.47	109	109	76.0-123			0.366	20
4-Chlorotoluene	5.00	5.57	5.47	111	109	75.0-122			1.81	20
1,2-Dibromo-3-Chloropropane	5.00	4.41	3.83	88.2	76.6	58.0-134			14.1	20
1,2-Dibromoethane	5.00	5.17	5.08	103	102	80.0-122			1.76	20
Dibromomethane	5.00	5.10	4.99	102	99.8	80.0-120			2.18	20
1,2-Dichlorobenzene	5.00	5.38	5.20	108	104	79.0-121			3.40	20
1,3-Dichlorobenzene	5.00	5.31	5.35	106	107	79.0-120			0.750	20
1,4-Dichlorobenzene	5.00	5.59	5.55	112	111	79.0-120			0.718	20
Dichlorodifluoromethane	5.00	5.22	5.82	104	116	51.0-149			10.9	20
1,1-Dichloroethane	5.00	5.00	4.73	100	94.6	70.0-126			5.55	20
1,2-Dichloroethane	5.00	4.60	4.41	92.0	88.2	70.0-128			4.22	20
1,1-Dichloroethene	5.00	4.80	4.51	96.0	90.2	71.0-124			6.23	20
cis-1,2-Dichloroethene	5.00	5.19	4.86	104	97.2	73.0-120			6.57	20
trans-1,2-Dichloroethene	5.00	5.47	5.14	109	103	73.0-120			6.22	20
1,2-Dichloropropane	5.00	4.98	4.98	99.6	99.6	77.0-125			0.000	20
1,1-Dichloropropene	5.00	5.22	4.97	104	99.4	74.0-126			4.91	20
1,3-Dichloropropane	5.00	4.90	4.97	98.0	99.4	80.0-120			1.42	20
cis-1,3-Dichloropropene	5.00	5.22	5.07	104	101	80.0-123			2.92	20
trans-1,3-Dichloropropene	5.00	4.75	4.55	95.0	91.0	78.0-124			4.30	20
trans-1,4-Dichloro-2-butene	5.00	4.93	4.08	98.6	81.6	33.0-144			18.9	20
2,2-Dichloropropane	5.00	4.83	4.11	96.6	82.2	58.0-130			16.1	20

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

(LCS) R3996627-1 11/04/23 06:06 • (LCSD) R3996627-2 11/04/23 06:25

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	4.70	4.54	94.0	90.8	58.0-138			3.46	20
Ethylbenzene	5.00	5.10	5.07	102	101	79.0-123			0.590	20
Hexachloro-1,3-butadiene	5.00	5.41	4.71	108	94.2	54.0-138			13.8	20
2-Hexanone	25.0	22.7	19.6	90.8	78.4	67.0-149			14.7	20
n-Hexane	5.00	4.93	4.70	98.6	94.0	57.0-133			4.78	20
Iodomethane	25.0	26.5	26.3	106	105	33.0-147			0.758	26
Isopropylbenzene	5.00	5.27	5.00	105	100	76.0-127			5.26	20
p-Isopropyltoluene	5.00	5.60	5.31	112	106	76.0-125			5.32	20
2-Butanone (MEK)	25.0	19.5	13.9	78.0	55.6	44.0-160		J3	33.5	20
Methylene Chloride	5.00	4.77	4.82	95.4	96.4	67.0-120			1.04	20
4-Methyl-2-pentanone (MIBK)	25.0	23.8	22.1	95.2	88.4	68.0-142			7.41	20
Methyl tert-butyl ether	5.00	4.74	4.80	94.8	96.0	68.0-125			1.26	20
Naphthalene	5.00	5.59	5.71	112	114	54.0-135			2.12	20
n-Propylbenzene	5.00	5.59	5.60	112	112	77.0-124			0.179	20
Styrene	5.00	4.86	4.74	97.2	94.8	73.0-130			2.50	20
1,1,1,2-Tetrachloroethane	5.00	4.88	4.82	97.6	96.4	75.0-125			1.24	20
1,1,2,2-Tetrachloroethane	5.00	5.19	4.90	104	98.0	65.0-130			5.75	20
1,1,2-Trichlorotrifluoroethane	5.00	5.61	6.11	112	122	69.0-132			8.53	20
Tetrachloroethene	5.00	4.77	4.53	95.4	90.6	72.0-132			5.16	20
Toluene	5.00	5.05	4.92	101	98.4	79.0-120			2.61	20
1,2,3-Trichlorobenzene	5.00	6.16	5.98	123	120	50.0-138			2.97	20
1,2,4-Trichlorobenzene	5.00	6.19	5.59	124	112	57.0-137			10.2	20
1,1,1-Trichloroethane	5.00	5.49	5.32	110	106	73.0-124			3.15	20
1,1,2-Trichloroethane	5.00	5.27	5.28	105	106	80.0-120			0.190	20
Trichloroethene	5.00	4.87	5.00	97.4	100	78.0-124			2.63	20
Trichlorofluoromethane	5.00	5.18	5.41	104	108	59.0-147			4.34	20
1,2,3-Trichloropropane	5.00	5.48	5.46	110	109	73.0-130			0.366	20
1,2,4-Trimethylbenzene	5.00	5.14	5.00	103	100	76.0-121			2.76	20
1,2,3-Trimethylbenzene	5.00	5.26	5.30	105	106	77.0-120			0.758	20
1,3,5-Trimethylbenzene	5.00	5.23	5.45	105	109	76.0-122			4.12	20
Vinyl acetate	25.0	18.2	11.1	72.8	44.4	11.0-160		J3	48.5	20
Vinyl chloride	5.00	5.73	6.60	115	132	67.0-131		J4	14.1	20
Xylenes, Total	15.0	15.4	14.9	103	99.3	79.0-123			3.30	20
(S) Toluene-d8				*102*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.4*	*98.6*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*94.3*	*99.1*	*70.0-130*				

Method Blank (MB)

(MB) R3996790-2 11/01/23 20:49

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	*52.9*			*10.0-120*

Laboratory Control Sample (LCS)

(LCS) R3996790-1 11/01/23 20:30

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
1,4-Dioxane	50.0	58.7	117	73.0-146	
(S) Nitrobenzene-d5			*61.5*	*10.0-120*	

L1670989-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1670989-05 11/02/23 00:18 • (MS) R3996790-3 11/02/23 00:37 • (MSD) R3996790-4 11/02/23 00:56

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	47.6	0.140	55.0	54.9	115	118	1	38.0-160			0.182	21
(S) Nitrobenzene-d5					*51.6*	*46.5*		*10.0-120*				

Method Blank (MB)

(MB) R3996105-2 11/01/23 19:20

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	10.0
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
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0
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

Method Blank (MB)

(MB) R3996105-2 11/01/23 19:20

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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
(S) 2-Fluorophenol	*34.8*			*10.0-120*
(S) Phenol-d5	*22.4*			*10.0-120*
(S) Nitrobenzene-d5	*65.2*			*10.0-127*
(S) 2-Fluorobiphenyl	*57.0*			*10.0-130*
(S) 2,4,6-Tribromophenol	*56.0*			*10.0-155*
(S) p-Terphenyl-d14	*70.4*			*10.0-128*

Laboratory Control Sample (LCS)

(LCS) R3996105-1 11/01/23 18:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetophenone	50.0	38.3	76.6	29.0-120	
Atrazine	50.0	37.0	74.0	39.0-141	
Benzaldehyde	50.0	85.6	171	10.0-160	J4
Biphenyl	50.0	35.2	70.4	38.0-120	
Bis(2-chlorethoxy)methane	50.0	31.1	62.2	33.0-120	
Bis(2-chloroethyl)ether	50.0	37.2	74.4	23.0-120	
2,2-Oxybis(1-Chloropropane)	50.0	33.0	66.0	28.0-120	
4-Bromophenyl-phenylether	50.0	35.3	70.6	45.0-120	
Caprolactam	50.0	9.67	19.3	10.0-120	
Carbazole	50.0	38.0	76.0	51.0-122	
4-Chloroaniline	50.0	23.9	47.8	25.0-120	
4-Chlorophenyl-phenylether	50.0	34.6	69.2	44.0-120	
3,3-Dichlorobenzidine	100	83.1	83.1	44.0-120	
2,4-Dinitrotoluene	50.0	39.4	78.8	49.0-124	
2,6-Dinitrotoluene	50.0	35.9	71.8	46.0-120	
Hexachloro-1,3-butadiene	50.0	26.0	52.0	19.0-120	
Hexachlorocyclopentadiene	50.0	13.4	26.8	15.0-120	
Hexachloroethane	50.0	29.6	59.2	15.0-120	
Isophorone	50.0	31.5	63.0	36.0-120	
2-Nitroaniline	50.0	38.0	76.0	43.0-120	
3-Nitroaniline	50.0	35.2	70.4	38.0-120	

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

Laboratory Control Sample (LCS)

(LCS) R3996105-1 11/01/23 18:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Nitroaniline	50.0	32.8	65.6	18.0-160	
Nitrobenzene	50.0	30.4	60.8	27.0-120	
n-Nitrosodiphenylamine	50.0	34.4	68.8	47.0-120	
n-Nitrosodi-n-propylamine	50.0	36.3	72.6	31.0-120	
Benzylbutyl phthalate	50.0	39.4	78.8	43.0-121	
Bis(2-ethylhexyl)phthalate	50.0	37.9	75.8	43.0-122	
Di-n-butyl phthalate	50.0	40.5	81.0	49.0-121	
Diethyl phthalate	50.0	37.2	74.4	48.0-122	
Dimethyl phthalate	50.0	36.5	73.0	48.0-120	
Di-n-octyl phthalate	50.0	37.5	75.0	42.0-125	
1,2,4,5-Tetrachlorobenzene	50.0	34.0	68.0	31.0-121	
4-Chloro-3-methylphenol	50.0	28.2	56.4	40.0-120	
2-Chlorophenol	50.0	28.7	57.4	25.0-120	
2-Methylphenol	50.0	23.7	47.4	28.0-120	
3&4-Methyl Phenol	50.0	25.8	51.6	31.0-120	
2,4-Dichlorophenol	50.0	28.2	56.4	36.0-120	
2,4-Dimethylphenol	50.0	32.5	65.0	33.0-120	
4,6-Dinitro-2-methylphenol	50.0	42.1	84.2	38.0-138	
2,4-Dinitrophenol	50.0	43.5	87.0	10.0-120	
2-Nitrophenol	50.0	35.8	71.6	31.0-120	
4-Nitrophenol	50.0	94.9	190	10.0-120	J4
Pentachlorophenol	50.0	29.2	58.4	23.0-120	
Phenol	50.0	13.4	26.8	10.0-120	
2,4,5-Trichlorophenol	50.0	37.6	75.2	44.0-120	
2,4,6-Trichlorophenol	50.0	33.5	67.0	42.0-120	
(S) 2-Fluorophenol			*34.5*	*10.0-120*	
(S) Phenol-d5			*21.1*	*10.0-120*	
(S) Nitrobenzene-d5			*60.6*	*10.0-127*	
(S) 2-Fluorobiphenyl			*64.5*	*10.0-130*	
(S) 2,4,6-Tribromophenol			*69.0*	*10.0-155*	
(S) p-Terphenyl-d14			*72.0*	*10.0-128*	

L1671400-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671400-01 11/01/23 23:10 • (MS) R3996105-3 11/01/23 23:31 • (MSD) R3996105-4 11/01/23 23:52

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	0.529	41.0	37.8	80.9	74.5	1	20.0-120			8.12	35
Atrazine	50.0	U	39.9	36.7	79.8	73.4	1	39.0-130			8.36	23

L1671400-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671400-01 11/01/23 23:10 • (MS) R3996105-3 11/01/23 23:31 • (MSD) R3996105-4 11/01/23 23:52

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	95.6	99.8	191	200	1	10.0-160	J5	J5	4.30	40
Biphenyl	50.0	U	39.0	34.8	78.0	69.6	1	29.0-120			11.4	33
Bis(2-chlorethoxy)methane	50.0	U	34.3	31.3	68.6	62.6	1	17.0-120			9.15	31
Bis(2-chloroethyl)ether	50.0	U	38.9	36.1	77.8	72.2	1	14.0-120			7.47	33
2,2-Oxybis(1-Chloropropane)	50.0	U	34.9	32.3	69.8	64.6	1	18.0-120			7.74	34
4-Bromophenyl-phenylether	50.0	U	41.4	34.6	82.8	69.2	1	37.0-120			17.9	24
Caprolactam	50.0	U	12.8	11.7	25.6	23.4	1	10.0-120			8.98	40
Carbazole	50.0	U	42.2	38.8	84.4	77.6	1	38.0-127			8.40	21
4-Chloroaniline	50.0	U	19.0	20.9	38.0	41.8	1	10.0-120			9.52	31
4-Chlorophenyl-phenylether	50.0	U	37.5	33.0	75.0	66.0	1	36.0-120			12.8	23
3,3-Dichlorobenzidine	100	U	5.73	7.28	5.73	7.28	1	10.0-134	J6	J6	23.8	30
2,4-Dinitrotoluene	50.0	U	45.5	40.5	91.0	81.0	1	39.0-125			11.6	25
2,6-Dinitrotoluene	50.0	U	43.3	38.7	86.6	77.4	1	36.0-120			11.2	27
Hexachloro-1,3-butadiene	50.0	U	27.4	24.4	54.8	48.8	1	12.0-120			11.6	34
Hexachlorocyclopentadiene	50.0	U	16.4	12.9	32.8	25.8	1	10.0-120			23.9	33
Hexachloroethane	50.0	U	31.4	29.7	62.8	59.4	1	10.0-120			5.56	40
Isophorone	50.0	U	34.8	31.8	69.6	63.6	1	21.0-120			9.01	27
2-Nitroaniline	50.0	U	35.5	32.0	71.0	64.0	1	33.0-120			10.4	27
3-Nitroaniline	50.0	U	25.8	28.3	51.6	56.6	1	20.0-120			9.24	27
4-Nitroaniline	50.0	U	11.3	13.1	22.6	26.2	1	10.0-160			14.8	26
Nitrobenzene	50.0	U	39.4	36.7	78.8	73.4	1	12.0-120			7.10	30
n-Nitrosodiphenylamine	50.0	U	42.6	36.7	85.2	73.4	1	37.0-120			14.9	24
n-Nitrosodi-n-propylamine	50.0	U	39.9	35.7	79.8	71.4	1	16.0-120			11.1	30
Benzylbutyl phthalate	50.0	U	48.3	41.9	96.6	83.8	1	34.0-126			14.2	24
Bis(2-ethylhexyl)phthalate	50.0	U	41.1	33.7	82.2	67.4	1	33.0-126			19.8	25
Di-n-butyl phthalate	50.0	U	45.6	39.1	91.2	78.2	1	35.0-128			15.3	23
Diethyl phthalate	50.0	U	43.1	39.4	86.2	78.8	1	39.0-125			8.97	24
Dimethyl phthalate	50.0	U	42.0	38.2	84.0	76.4	1	37.0-120			9.48	24
Di-n-octyl phthalate	50.0	U	43.2	35.3	86.4	70.6	1	25.0-135			20.1	26
1,2,4,5-Tetrachlorobenzene	50.0	U	37.2	33.5	74.4	67.0	1	19.0-122			10.5	32
4-Chloro-3-methylphenol	50.0	U	46.1	41.8	92.2	83.6	1	26.0-120			9.78	27
2-Chlorophenol	50.0	U	30.1	28.1	60.2	56.2	1	18.0-120			6.87	34
2-Methylphenol	50.0	U	26.6	24.4	53.2	48.8	1	10.0-120			8.63	30
3&4-Methyl Phenol	50.0	U	29.5	26.8	59.0	53.6	1	10.0-120			9.59	36
2,4-Dichlorophenol	50.0	U	29.3	25.9	58.6	51.8	1	19.0-120			12.3	27
2,4-Dimethylphenol	50.0	U	35.6	31.5	71.2	63.0	1	15.0-120			12.2	28
4,6-Dinitro-2-methylphenol	50.0	U	35.9	28.4	71.8	56.8	1	10.0-144			23.3	39
2,4-Dinitrophenol	50.0	U	37.0	28.0	74.0	56.0	1	10.0-120			27.7	40
2-Nitrophenol	50.0	U	38.7	35.3	77.4	70.6	1	20.0-120			9.19	30
4-Nitrophenol	50.0	U	107	95.1	214	190	1	10.0-120	J5	J5	11.8	40

L1671400-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671400-01 11/01/23 23:10 • (MS) R3996105-3 11/01/23 23:31 • (MSD) R3996105-4 11/01/23 23:52

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	29.0	23.2	58.0	46.4	1	10.0-128			22.2	37
Phenol	50.0	U	14.4	14.0	28.8	28.0	1	10.0-120			2.82	40
2,4,5-Trichlorophenol	50.0	U	40.6	36.2	81.2	72.4	1	33.0-120			11.5	31
2,4,6-Trichlorophenol	50.0	U	35.4	31.5	70.8	63.0	1	26.0-120			11.7	31
(S) 2-Fluorophenol					*37.4*	*33.9*		*10.0-120*				
(S) Phenol-d5					*24.0*	*23.0*		*10.0-120*				
(S) Nitrobenzene-d5					*70.1*	*64.0*		*10.0-127*				
(S) 2-Fluorobiphenyl					*71.2*	*63.0*		*10.0-130*				
(S) 2,4,6-Tribromophenol					*79.5*	*67.5*		*10.0-155*				
(S) p-Terphenyl-d14					*85.3*	*70.3*		*10.0-128*				

Method Blank (MB)

(MB) R3995228-2 11/03/23 02:54

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	4.90	J	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	10.0
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
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0
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	0.125	J	0.0636	10.0
4,6-Dinitro-2-methylphenol	U		1.12	10.0
2,4-Dinitrophenol	U		5.93	10.0

Method Blank (MB)

(MB) R3995228-2 11/03/23 02:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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
(S) 2-Fluorophenol	*24.7*			*10.0-120*
(S) Phenol-d5	*18.6*			*10.0-120*
(S) Nitrobenzene-d5	*53.2*			*10.0-127*
(S) 2-Fluorobiphenyl	*62.7*			*10.0-130*
(S) 2,4,6-Tribromophenol	*59.0*			*10.0-155*
(S) p-Terphenyl-d14	*80.4*			*10.0-128*

Laboratory Control Sample (LCS)

(LCS) R3995228-1 11/03/23 02:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetophenone	50.0	32.9	65.8	29.0-120	
Atrazine	50.0	38.7	77.4	39.0-141	
Benzaldehyde	50.0	101	202	10.0-160	J4
Biphenyl	50.0	35.1	70.2	38.0-120	
Bis(2-chlorethoxy)methane	50.0	31.3	62.6	33.0-120	
Bis(2-chloroethyl)ether	50.0	30.6	61.2	23.0-120	
2,2-Oxybis(1-Chloropropane)	50.0	29.8	59.6	28.0-120	
4-Bromophenyl-phenylether	50.0	37.3	74.6	45.0-120	
Caprolactam	50.0	10.9	21.8	10.0-120	
Carbazole	50.0	38.0	76.0	51.0-122	
4-Chloroaniline	50.0	23.2	46.4	25.0-120	
4-Chlorophenyl-phenylether	50.0	37.2	74.4	44.0-120	
3,3-Dichlorobenzidine	100	42.9	42.9	44.0-120	J4
2,4-Dinitrotoluene	50.0	42.8	85.6	49.0-124	
2,6-Dinitrotoluene	50.0	41.3	82.6	46.0-120	
Hexachloro-1,3-butadiene	50.0	25.1	50.2	19.0-120	
Hexachlorocyclopentadiene	50.0	14.3	28.6	15.0-120	
Hexachloroethane	50.0	23.1	46.2	15.0-120	
Isophorone	50.0	33.4	66.8	36.0-120	
2-Nitroaniline	50.0	40.2	80.4	43.0-120	
3-Nitroaniline	50.0	28.3	56.6	38.0-120	

Laboratory Control Sample (LCS)

(LCS) R3995228-1 11/03/23 02:33

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Nitroaniline	50.0	26.8	53.6	18.0-160	
Nitrobenzene	50.0	29.0	58.0	27.0-120	
n-Nitrosodiphenylamine	50.0	37.5	75.0	47.0-120	
n-Nitrosodi-n-propylamine	50.0	33.7	67.4	31.0-120	
Benzylbutyl phthalate	50.0	44.0	88.0	43.0-121	
Bis(2-ethylhexyl)phthalate	50.0	39.2	78.4	43.0-122	
Di-n-butyl phthalate	50.0	40.7	81.4	49.0-121	
Diethyl phthalate	50.0	40.7	81.4	48.0-122	
Dimethyl phthalate	50.0	39.8	79.6	48.0-120	
Di-n-octyl phthalate	50.0	39.4	78.8	42.0-125	
1,2,4,5-Tetrachlorobenzene	50.0	33.8	67.6	31.0-121	
4-Chloro-3-methylphenol	50.0	30.7	61.4	40.0-120	
2-Chlorophenol	50.0	23.6	47.2	25.0-120	
2-Methylphenol	50.0	21.8	43.6	28.0-120	
3&4-Methyl Phenol	50.0	23.5	47.0	31.0-120	
2,4-Dichlorophenol	50.0	29.3	58.6	36.0-120	
2,4-Dimethylphenol	50.0	32.8	65.6	33.0-120	
4,6-Dinitro-2-methylphenol	50.0	57.3	115	38.0-138	
2,4-Dinitrophenol	50.0	52.3	105	10.0-120	
2-Nitrophenol	50.0	33.1	66.2	31.0-120	
4-Nitrophenol	50.0	16.3	32.6	10.0-120	
Pentachlorophenol	50.0	33.3	66.6	23.0-120	
Phenol	50.0	11.4	22.8	10.0-120	
2,4,5-Trichlorophenol	50.0	39.2	78.4	44.0-120	
2,4,6-Trichlorophenol	50.0	37.9	75.8	42.0-120	
(S) 2-Fluorophenol			*31.3*	*10.0-120*	
(S) Phenol-d5			*22.3*	*10.0-120*	
(S) Nitrobenzene-d5			*60.8*	*10.0-127*	
(S) 2-Fluorobiphenyl			*72.6*	*10.0-130*	
(S) 2,4,6-Tribromophenol			*73.5*	*10.0-155*	
(S) p-Terphenyl-d14			*81.3*	*10.0-128*	

L1671446-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671446-04 11/03/23 04:39 • (MS) R3995228-3 11/03/23 05:00 • (MSD) R3995228-4 11/03/23 05:20

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 %
Acetophenone	50.0	U	32.0	26.2	64.0	57.6	1	20.0-120			19.9	35
Atrazine	50.0	U	38.2	28.5	76.4	62.6	1	39.0-130		J3	29.1	23

L1671446-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671446-04 11/03/23 04:39 • (MS) R3995228-3 11/03/23 05:00 • (MSD) R3995228-4 11/03/23 05:20

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 %
Benzaldehyde	50.0	U	74.8	107	150	235	1	10.0-160		J5	35.4	40
Biphenyl	50.0	U	34.4	24.2	68.8	53.2	1	29.0-120		J3	34.8	33
Bis(2-chlorethoxy)methane	50.0	U	30.5	24.0	61.0	52.7	1	17.0-120			23.9	31
Bis(2-chloroethyl)ether	50.0	U	29.0	23.7	58.0	52.1	1	14.0-120			20.1	33
2,2-Oxybis(1-Chloropropane)	50.0	U	29.8	23.8	59.6	52.3	1	18.0-120			22.4	34
4-Bromophenyl-phenylether	50.0	U	37.3	25.0	74.6	54.9	1	37.0-120		J3	39.5	24
Caprolactam	50.0	U	12.0	10.3	24.0	22.6	1	10.0-120			15.2	40
Carbazole	50.0	U	37.9	28.4	75.8	62.4	1	38.0-127		J3	28.7	21
4-Chloroaniline	50.0	U	27.0	18.7	54.0	41.1	1	10.0-120		J3	36.3	31
4-Chlorophenyl-phenylether	50.0	U	36.7	24.4	73.4	53.6	1	36.0-120		J3	40.3	23
3,3-Dichlorobenzidine	100	U	67.7	25.4	67.7	27.9	1	10.0-134		J3	90.9	30
2,4-Dinitrotoluene	50.0	U	41.0	32.4	82.0	71.2	1	39.0-125			23.4	25
2,6-Dinitrotoluene	50.0	U	39.8	31.2	79.6	68.6	1	36.0-120			24.2	27
Hexachloro-1,3-butadiene	50.0	1.47	28.8	21.1	54.7	43.1	1	12.0-120			30.9	34
Hexachlorocyclopentadiene	50.0	U	19.8	10.8	39.6	23.7	1	10.0-120		J3	58.8	33
Hexachloroethane	50.0	U	24.3	20.0	48.6	44.0	1	10.0-120			19.4	40
Isophorone	50.0	U	32.1	25.4	64.2	55.8	1	21.0-120			23.3	27
2-Nitroaniline	50.0	U	39.9	30.9	79.8	67.9	1	33.0-120			25.4	27
3-Nitroaniline	50.0	U	32.2	20.5	64.4	45.1	1	20.0-120		J3	44.4	27
4-Nitroaniline	50.0	U	34.6	17.2	69.2	37.8	1	10.0-160		J3	67.2	26
Nitrobenzene	50.0	U	29.0	23.6	58.0	51.9	1	12.0-120			20.5	30
n-Nitrosodiphenylamine	50.0	U	35.5	26.7	71.0	58.7	1	37.0-120		J3	28.3	24
n-Nitrosodi-n-propylamine	50.0	U	32.6	25.8	65.2	56.7	1	16.0-120			23.3	30
Benzylbutyl phthalate	50.0	U	44.7	29.2	89.4	64.2	1	34.0-126		J3	41.9	24
Bis(2-ethylhexyl)phthalate	50.0	U	39.0	14.5	78.0	31.9	1	33.0-126		J3 J6	91.6	25
Di-n-butyl phthalate	50.0	U	40.5	27.0	81.0	59.3	1	35.0-128		J3	40.0	23
Diethyl phthalate	50.0	U	39.8	29.2	79.6	64.2	1	39.0-125		J3	30.7	24
Dimethyl phthalate	50.0	U	39.0	25.6	78.0	56.3	1	37.0-120		J3	41.5	24
Di-n-octyl phthalate	50.0	U	38.8	13.8	77.6	30.3	1	25.0-135		J3	95.1	26
1,2,4,5-Tetrachlorobenzene	50.0	U	34.0	25.2	68.0	55.4	1	19.0-122			29.7	32
4-Chloro-3-methylphenol	50.0	U	27.3	16.0	54.6	35.2	1	26.0-120		J3	52.2	27
2-Chlorophenol	50.0	U	21.7	12.8	43.4	28.1	1	18.0-120		J3	51.6	34
2-Methylphenol	50.0	U	19.9	12.4	39.8	27.3	1	10.0-120		J3	46.4	30
3&4-Methyl Phenol	50.0	U	21.6	13.9	43.2	30.5	1	10.0-120		J3	43.4	36
2,4-Dichlorophenol	50.0	U	27.0	15.0	54.0	33.0	1	19.0-120		J3	57.1	27
2,4-Dimethylphenol	50.0	0.0676	28.0	17.9	55.9	39.2	1	15.0-120		J3	44.0	28
4,6-Dinitro-2-methylphenol	50.0	U	57.4	30.4	115	66.8	1	10.0-144		J3	61.5	39
2,4-Dinitrophenol	50.0	U	52.7	28.1	105	61.8	1	10.0-120		J3	60.9	40
2-Nitrophenol	50.0	U	32.0	17.6	64.0	38.7	1	20.0-120		J3	58.1	30
4-Nitrophenol	50.0	U	14.2	10.3	28.4	22.6	1	10.0-120			31.8	40

L1671446-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671446-04 11/03/23 04:39 • (MS) R3995228-3 11/03/23 05:00 • (MSD) R3995228-4 11/03/23 05:20

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 %
Pentachlorophenol	50.0	U	33.6	16.9	67.2	37.1	1	10.0-128		J3	66.1	37
Phenol	50.0	U	13.5	10.6	27.0	23.3	1	10.0-120			24.1	40
2,4,5-Trichlorophenol	50.0	U	35.9	18.5	71.8	40.7	1	33.0-120		J3	64.0	31
2,4,6-Trichlorophenol	50.0	U	37.5	17.8	75.0	39.1	1	26.0-120		J3	71.2	31
(S) 2-Fluorophenol					*29.0*	*21.6*		*10.0-120*				
(S) Phenol-d5					*20.9*	*17.4*		*10.0-120*				
(S) Nitrobenzene-d5					*58.0*	*55.1*		*10.0-127*				
(S) 2-Fluorobiphenyl					*69.2*	*52.0*		*10.0-130*				
(S) 2,4,6-Tribromophenol					*71.5*	*40.9*		*10.0-155*				
(S) p-Terphenyl-d14					*80.4*	*42.5*		*10.0-128*				

L1671427-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671427-08 11/07/23 23:50 • (MS) R3998195-1 11/08/23 00:11 • (MSD) R3998195-2 11/08/23 00:32

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	49.0	U	28.0	20.9	57.1	43.9	1	20.0-120			29.0	35
Atrazine	49.0	U	29.5	20.7	60.2	43.5	1	39.0-130		J3	35.1	23
Benzaldehyde	49.0	U	76.3	57.4	156	121	1	10.0-160			28.3	40
Biphenyl	49.0	U	29.1	20.4	59.4	42.9	1	29.0-120		J3	35.2	33
Bis(2-chlorethoxy)methane	49.0	U	28.0	20.8	57.1	43.7	1	17.0-120			29.5	31
Bis(2-chloroethyl)ether	49.0	U	27.3	20.9	55.7	43.9	1	14.0-120			26.6	33
2,2-Oxybis(1-Chloropropane)	49.0	U	25.4	19.5	51.8	41.0	1	18.0-120			26.3	34
4-Bromophenyl-phenylether	49.0	U	31.3	21.5	63.9	45.2	1	37.0-120		J3	37.1	24
Caprolactam	49.0	U	10.1	7.30	20.6	15.3	1	10.0-120			32.2	40
Carbazole	49.0	U	29.6	22.0	60.4	46.2	1	38.0-127		J3	29.5	21
4-Chloroaniline	49.0	U	9.15	10.1	18.7	21.2	1	10.0-120			9.87	31
4-Chlorophenyl-phenylether	49.0	U	30.4	20.3	62.0	42.6	1	36.0-120		J3	39.8	23
3,3-Dichlorobenzidine	98.0	U	2.40	4.09	2.45	4.30	1	10.0-134	J6	J3 J6	52.1	30
2,4-Dinitrotoluene	49.0	U	34.5	23.2	70.4	48.7	1	39.0-125		J3	39.2	25
2,6-Dinitrotoluene	49.0	U	34.6	23.4	70.6	49.2	1	36.0-120		J3	38.6	27
Hexachloro-1,3-butadiene	49.0	U	20.9	16.6	42.7	34.9	1	12.0-120			22.9	34
Hexachlorocyclopentadiene	49.0	U	10.9	8.72	22.2	18.3	1	10.0-120			22.2	33
Hexachloroethane	49.0	U	19.6	16.1	40.0	33.8	1	10.0-120			19.6	40
Isophorone	49.0	U	28.2	20.4	57.6	42.9	1	21.0-120		J3	32.1	27
2-Nitroaniline	49.0	U	33.8	23.9	69.0	50.2	1	33.0-120		J3	34.3	27
3-Nitroaniline	49.0	U	14.2	12.5	29.0	26.3	1	20.0-120			12.7	27
4-Nitroaniline	49.0	U	13.4	11.9	27.3	25.0	1	10.0-160			11.9	26
Nitrobenzene	49.0	U	25.7	19.8	52.4	41.6	1	12.0-120			25.9	30

L1671427-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671427-08 11/07/23 23:50 • (MS) R3998195-1 11/08/23 00:11 • (MSD) R3998195-2 11/08/23 00:32

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 %
n-Nitrosodiphenylamine	49.0	U	30.3	22.3	61.8	46.8	1	37.0-120		J3	30.4	24
n-Nitrosodi-n-propylamine	49.0	U	28.3	20.3	57.8	42.6	1	16.0-120		J3	32.9	30
Benzylbutyl phthalate	49.0	U	32.1	24.7	65.5	51.9	1	34.0-126		J3	26.1	24
Bis(2-ethylhexyl)phthalate	49.0	U	27.4	19.1	55.9	40.1	1	33.0-126		J3	35.7	25
Di-n-butyl phthalate	49.0	U	32.0	22.7	65.3	47.7	1	35.0-128		J3	34.0	23
Diethyl phthalate	49.0	U	32.7	22.7	66.7	47.7	1	39.0-125		J3	36.1	24
Dimethyl phthalate	49.0	U	32.8	22.0	66.9	46.2	1	37.0-120		J3	39.4	24
Di-n-octyl phthalate	49.0	U	27.4	18.0	55.9	37.8	1	25.0-135		J3	41.4	26
1,2,4,5-Tetrachlorobenzene	49.0	U	27.7	20.0	56.5	42.0	1	19.0-122		J3	32.3	32
4-Chloro-3-methylphenol	49.0	U	18.0	11.1	36.7	23.3	1	26.0-120		J3 J6	47.4	27
2-Chlorophenol	49.0	U	13.6	9.76	27.8	20.5	1	18.0-120			32.9	34
2-Methylphenol	49.0	U	13.6	9.96	27.8	20.9	1	10.0-120		J3	30.9	30
3&4-Methyl Phenol	49.0	U	14.8	10.3	30.2	21.6	1	10.0-120			35.9	36
2,4-Dichlorophenol	49.0	U	17.7	11.5	36.1	24.2	1	19.0-120		J3	42.5	27
2,4-Dimethylphenol	49.0	U	19.3	17.2	39.4	36.1	1	15.0-120			11.5	28
4,6-Dinitro-2-methylphenol	49.0	U	25.8	16.9	52.7	35.5	1	10.0-144		J3	41.7	39
2,4-Dinitrophenol	49.0	U	24.3	15.8	49.6	33.2	1	10.0-120		J3	42.4	40
2-Nitrophenol	49.0	U	21.9	14.6	44.7	30.7	1	20.0-120		J3	40.0	30
4-Nitrophenol	49.0	U	10.4	6.06	21.2	12.7	1	10.0-120		J3	52.7	40
Pentachlorophenol	49.0	U	22.9	13.1	46.7	27.5	1	10.0-128		J3	54.4	37
Phenol	49.0	U	8.91	7.49	18.2	15.7	1	10.0-120			17.3	40
2,4,5-Trichlorophenol	49.0	U	22.5	13.9	45.9	29.2	1	33.0-120		J3 J6	47.3	31
2,4,6-Trichlorophenol	49.0	U	23.8	14.4	48.6	30.3	1	26.0-120		J3	49.2	31
(S) 2-Fluorophenol					*20.8*	*15.9*		*10.0-120*				
(S) Phenol-d5					*0.000*	*12.5*		*10.0-120*	J2			
(S) Nitrobenzene-d5					*51.8*	*42.3*		*10.0-127*				
(S) 2-Fluorobiphenyl					*58.4*	*43.5*		*10.0-130*				
(S) 2,4,6-Tribromophenol					*52.0*	*33.6*		*10.0-155*				
(S) p-Terphenyl-d14					*58.8*	*45.9*		*10.0-128*				

Method Blank (MB)

(MB) R3996066-2 11/04/23 01:40

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	10.0
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
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0
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

Method Blank (MB)

(MB) R3996066-2 11/04/23 01:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
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
(S) 2-Fluorophenol	*30.6*			*10.0-120*
(S) Phenol-d5	*18.8*			*10.0-120*
(S) Nitrobenzene-d5	*71.2*			*10.0-127*
(S) 2-Fluorobiphenyl	*80.3*			*10.0-130*
(S) 2,4,6-Tribromophenol	*74.5*			*10.0-155*
(S) p-Terphenyl-d14	*95.8*			*10.0-128*

Laboratory Control Sample (LCS)

(LCS) R3996066-1 11/04/23 01:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetophenone	50.0	48.3	96.6	29.0-120	
Atrazine	50.0	67.6	135	39.0-141	
Benzaldehyde	50.0	106	212	10.0-160	J4
Biphenyl	50.0	46.9	93.8	38.0-120	
Bis(2-chlorethoxy)methane	50.0	40.1	80.2	33.0-120	
Bis(2-chloroethyl)ether	50.0	42.8	85.6	23.0-120	
2,2-Oxybis(1-Chloropropane)	50.0	44.1	88.2	28.0-120	
4-Bromophenyl-phenylether	50.0	53.8	108	45.0-120	
Caprolactam	50.0	13.4	26.8	10.0-120	
Carbazole	50.0	55.3	111	51.0-122	
4-Chloroaniline	50.0	42.0	84.0	25.0-120	
4-Chlorophenyl-phenylether	50.0	56.3	113	44.0-120	
3,3-Dichlorobenzidine	100	108	108	44.0-120	
2,4-Dinitrotoluene	50.0	65.7	131	49.0-124	J4
2,6-Dinitrotoluene	50.0	59.6	119	46.0-120	
Hexachloro-1,3-butadiene	50.0	44.7	89.4	19.0-120	
Hexachlorocyclopentadiene	50.0	41.3	82.6	15.0-120	
Hexachloroethane	50.0	40.7	81.4	15.0-120	
Isophorone	50.0	42.9	85.8	36.0-120	
2-Nitroaniline	50.0	57.4	115	43.0-120	
3-Nitroaniline	50.0	52.3	105	38.0-120	

Laboratory Control Sample (LCS)

(LCS) R3996066-1 11/04/23 01:19

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Nitroaniline	50.0	55.8	112	18.0-160	
Nitrobenzene	50.0	38.5	77.0	27.0-120	
n-Nitrosodiphenylamine	50.0	48.8	97.6	47.0-120	
n-Nitrosodi-n-propylamine	50.0	47.0	94.0	31.0-120	
Benzylbutyl phthalate	50.0	55.7	111	43.0-121	
Bis(2-ethylhexyl)phthalate	50.0	54.0	108	43.0-122	
Di-n-butyl phthalate	50.0	57.7	115	49.0-121	
Diethyl phthalate	50.0	60.4	121	48.0-122	
Dimethyl phthalate	50.0	57.4	115	48.0-120	
Di-n-octyl phthalate	50.0	56.3	113	42.0-125	
1,2,4,5-Tetrachlorobenzene	50.0	54.0	108	31.0-121	
4-Chloro-3-methylphenol	50.0	44.1	88.2	40.0-120	
2-Chlorophenol	50.0	35.4	70.8	25.0-120	
2-Methylphenol	50.0	31.2	62.4	28.0-120	
3&4-Methyl Phenol	50.0	33.2	66.4	31.0-120	
2,4-Dichlorophenol	50.0	41.9	83.8	36.0-120	
2,4-Dimethylphenol	50.0	44.5	89.0	33.0-120	
4,6-Dinitro-2-methylphenol	50.0	74.7	149	38.0-138	J4
2,4-Dinitrophenol	50.0	67.9	136	10.0-120	J4
2-Nitrophenol	50.0	44.7	89.4	31.0-120	
4-Nitrophenol	50.0	15.0	30.0	10.0-120	
Pentachlorophenol	50.0	38.7	77.4	23.0-120	
Phenol	50.0	13.1	26.2	10.0-120	
2,4,5-Trichlorophenol	50.0	51.6	103	44.0-120	
2,4,6-Trichlorophenol	50.0	50.4	101	42.0-120	
(S) 2-Fluorophenol			*38.6*	*10.0-120*	
(S) Phenol-d5			*24.2*	*10.0-120*	
(S) Nitrobenzene-d5			*75.8*	*10.0-127*	
(S) 2-Fluorobiphenyl			*96.9*	*10.0-130*	
(S) 2,4,6-Tribromophenol			*109*	*10.0-155*	
(S) p-Terphenyl-d14			*110*	*10.0-128*	

L1671863-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671863-05 11/04/23 06:34 • (MS) R3996066-3 11/04/23 06:55 • (MSD) R3996066-4 11/04/23 07:16

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	36.7	35.5	73.4	71.0	1	20.0-120			3.32	35
Atrazine	50.0	U	46.5	46.8	93.0	93.6	1	39.0-130			0.643	23

L1671863-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671863-05 11/04/23 06:34 • (MS) R3996066-3 11/04/23 06:55 • (MSD) R3996066-4 11/04/23 07:16

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	72.2	70.5	144	141	1	10.0-160			2.38	40
Biphenyl	50.0	U	36.1	35.2	72.2	70.4	1	29.0-120			2.52	33
Bis(2-chlorethoxy)methane	50.0	U	31.7	30.9	63.4	61.8	1	17.0-120			2.56	31
Bis(2-chloroethyl)ether	50.0	U	32.9	31.3	65.8	62.6	1	14.0-120			4.98	33
2,2-Oxybis(1-Chloropropane)	50.0	U	33.8	32.1	67.6	64.2	1	18.0-120			5.16	34
4-Bromophenyl-phenylether	50.0	U	43.1	42.4	86.2	84.8	1	37.0-120			1.64	24
Caprolactam	50.0	U	12.2	12.1	24.4	24.2	1	10.0-120			0.823	40
Carbazole	50.0	U	41.7	42.6	83.4	85.2	1	38.0-127			2.14	21
4-Chloroaniline	50.0	U	26.1	23.3	52.2	46.6	1	10.0-120			11.3	31
4-Chlorophenyl-phenylether	50.0	U	43.8	42.8	87.6	85.6	1	36.0-120			2.31	23
3,3-Dichlorobenzidine	100	U	8.28	4.19	8.28	4.19	1	10.0-134	J6	J3 J6	65.6	30
2,4-Dinitrotoluene	50.0	U	51.1	51.4	102	103	1	39.0-125			0.585	25
2,6-Dinitrotoluene	50.0	U	48.3	46.2	96.6	92.4	1	36.0-120			4.44	27
Hexachloro-1,3-butadiene	50.0	U	31.0	31.4	62.0	62.8	1	12.0-120			1.28	34
Hexachlorocyclopentadiene	50.0	U	33.9	33.3	67.8	66.6	1	10.0-120			1.79	33
Hexachloroethane	50.0	U	27.0	26.7	54.0	53.4	1	10.0-120			1.12	40
Isophorone	50.0	U	33.9	33.3	67.8	66.6	1	21.0-120			1.79	27
2-Nitroaniline	50.0	U	47.3	44.8	94.6	89.6	1	33.0-120			5.43	27
3-Nitroaniline	50.0	U	34.9	33.1	69.8	66.2	1	20.0-120			5.29	27
4-Nitroaniline	50.0	U	38.5	38.6	77.0	77.2	1	10.0-160			0.259	26
Nitrobenzene	50.0	U	31.7	29.8	63.4	59.6	1	12.0-120			6.18	30
n-Nitrosodiphenylamine	50.0	U	39.4	39.8	78.8	79.6	1	37.0-120			1.01	24
n-Nitrosodi-n-propylamine	50.0	U	35.6	35.4	71.2	70.8	1	16.0-120			0.563	30
Benzylbutyl phthalate	50.0	U	43.5	44.9	87.0	89.8	1	34.0-126			3.17	24
Bis(2-ethylhexyl)phthalate	50.0	U	41.5	43.1	83.0	86.2	1	33.0-126			3.78	25
Di-n-butyl phthalate	50.0	U	43.7	44.6	87.4	89.2	1	35.0-128			2.04	23
Diethyl phthalate	50.0	U	47.4	46.8	94.8	93.6	1	39.0-125			1.27	24
Dimethyl phthalate	50.0	U	45.9	43.9	91.8	87.8	1	37.0-120			4.45	24
Di-n-octyl phthalate	50.0	U	44.4	44.9	88.8	89.8	1	25.0-135			1.12	26
1,2,4,5-Tetrachlorobenzene	50.0	U	42.7	41.5	85.4	83.0	1	19.0-122			2.85	32
4-Chloro-3-methylphenol	50.0	U	38.8	38.2	77.6	76.4	1	26.0-120			1.56	27
2-Chlorophenol	50.0	U	29.1	28.2	58.2	56.4	1	18.0-120			3.14	34
2-Methylphenol	50.0	U	27.6	26.2	55.2	52.4	1	10.0-120			5.20	30
3&4-Methyl Phenol	50.0	U	30.1	28.2	60.2	56.4	1	10.0-120			6.52	36
2,4-Dichlorophenol	50.0	U	35.4	33.8	70.8	67.6	1	19.0-120			4.62	27
2,4-Dimethylphenol	50.0	U	40.0	38.2	80.0	76.4	1	15.0-120			4.60	28
4,6-Dinitro-2-methylphenol	50.0	U	62.7	63.4	125	127	1	10.0-144			1.11	39
2,4-Dinitrophenol	50.0	U	71.0	70.7	142	141	1	10.0-120	J5	J5	0.423	40
2-Nitrophenol	50.0	U	37.1	35.4	74.2	70.8	1	20.0-120			4.69	30
4-Nitrophenol	50.0	U	18.5	18.3	37.0	36.6	1	10.0-120			1.09	40

L1671863-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671863-05 11/04/23 06:34 • (MS) R3996066-3 11/04/23 06:55 • (MSD) R3996066-4 11/04/23 07:16

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	44.1	46.5	88.2	93.0	1	10.0-128			5.30	37
Phenol	50.0	U	11.8	10.9	23.6	21.8	1	10.0-120			7.93	40
2,4,5-Trichlorophenol	50.0	U	45.6	44.6	91.2	89.2	1	33.0-120			2.22	31
2,4,6-Trichlorophenol	50.0	U	43.5	41.8	87.0	83.6	1	26.0-120			3.99	31
(S) 2-Fluorophenol					*34.1*	*31.7*		*10.0-120*				
(S) Phenol-d5					*22.3*	*20.7*		*10.0-120*				
(S) Nitrobenzene-d5					*63.3*	*61.7*		*10.0-127*				
(S) 2-Fluorobiphenyl					*74.8*	*72.4*		*10.0-130*				
(S) 2,4,6-Tribromophenol					*96.5*	*100*		*10.0-155*				
(S) p-Terphenyl-d14					*86.8*	*89.8*		*10.0-128*				

Method Blank (MB)

(MB) R3995882-3 11/01/23 02:04

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
Dibenzofuran	U		0.0191	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	0.0203	J	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
(S) Nitrobenzene-d5	*98.0*			*31.0-160*
(S) 2-Fluorobiphenyl	*98.0*			*48.0-148*
(S) p-Terphenyl-d14	*92.5*			*37.0-146*

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

(LCS) R3995882-1 11/01/23 01:29 • (LCSD) R3995882-2 11/01/23 01:47

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 %
Anthracene	2.00	2.09	1.95	104	97.5	67.0-150			6.93	20
Acenaphthene	2.00	2.13	1.98	106	99.0	65.0-138			7.30	20
Acenaphthylene	2.00	2.19	2.03	109	102	66.0-140			7.58	20
Benzo(a)anthracene	2.00	2.21	2.05	111	103	61.0-140			7.51	20
Benzo(a)pyrene	2.00	2.08	1.97	104	98.5	60.0-143			5.43	20
Benzo(b)fluoranthene	2.00	1.99	1.91	99.5	95.5	58.0-141			4.10	20
Benzo(g,h,i)perylene	2.00	1.91	1.85	95.5	92.5	52.0-153			3.19	20
Benzo(k)fluoranthene	2.00	1.94	1.86	97.0	93.0	58.0-148			4.21	20
Chrysene	2.00	2.19	2.08	109	104	64.0-144			5.15	20

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

(LCS) R3995882-1 11/01/23 01:29 • (LCSD) R3995882-2 11/01/23 01:47

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	1.97	1.91	98.5	95.5	52.0-155			3.09	20
Dibenzofuran	2.00	2.22	2.09	111	104	67.0-134			6.03	20
Fluoranthene	2.00	2.25	2.08	112	104	69.0-153			7.85	20
Fluorene	2.00	2.17	2.03	108	102	64.0-136			6.67	20
Hexachlorobenzene	2.00	2.04	1.95	102	97.5	40.0-140			4.51	20
Indeno(1,2,3-cd)pyrene	2.00	2.03	1.95	102	97.5	54.0-153			4.02	20
Naphthalene	2.00	2.21	2.07	111	104	61.0-137			6.54	20
Phenanthrene	2.00	2.16	2.02	108	101	62.0-137			6.70	20
Pyrene	2.00	2.18	2.04	109	102	60.0-142			6.64	20
1-Methylnaphthalene	2.00	2.24	2.10	112	105	66.0-142			6.45	20
2-Methylnaphthalene	2.00	2.30	2.14	115	107	62.0-136			7.21	20
2-Chloronaphthalene	2.00	2.12	1.99	106	99.5	64.0-140			6.33	20
(S) Nitrobenzene-d5				*110*	*101*	*31.0-160*				
(S) 2-Fluorobiphenyl				*107*	*102*	*48.0-148*				
(S) p-Terphenyl-d14				*96.0*	*91.5*	*37.0-146*				

Method Blank (MB)

(MB) R3995064-2 11/02/23 00:45

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
Dibenzofuran	U		0.0191	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
(S) Nitrobenzene-d5	*76.0*			*31.0-160*
(S) 2-Fluorobiphenyl	*69.5*			*48.0-148*
(S) p-Terphenyl-d14	*70.0*			*37.0-146*

Laboratory Control Sample (LCS)

(LCS) R3995064-1 11/02/23 00:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	2.00	1.56	78.0	67.0-150	
Acenaphthene	2.00	1.55	77.5	65.0-138	
Acenaphthylene	2.00	1.64	82.0	66.0-140	
Benzo(a)anthracene	2.00	1.73	86.5	61.0-140	
Benzo(a)pyrene	2.00	1.52	76.0	60.0-143	
Benzo(b)fluoranthene	2.00	1.40	70.0	58.0-141	
Benzo(g,h,i)perylene	2.00	1.34	67.0	52.0-153	
Benzo(k)fluoranthene	2.00	1.34	67.0	58.0-148	
Chrysene	2.00	1.60	80.0	64.0-144	

Laboratory Control Sample (LCS)

(LCS) R3995064-1 11/02/23 00:27

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dibenz(a,h)anthracene	2.00	1.36	68.0	52.0-155	
Dibenzofuran	2.00	1.59	79.5	67.0-134	
Fluoranthene	2.00	1.65	82.5	69.0-153	
Fluorene	2.00	1.71	85.5	64.0-136	
Hexachlorobenzene	2.00	1.52	76.0	40.0-140	
Indeno(1,2,3-cd)pyrene	2.00	1.54	77.0	54.0-153	
Naphthalene	2.00	1.58	79.0	61.0-137	
Phenanthrene	2.00	1.58	79.0	62.0-137	
Pyrene	2.00	1.46	73.0	60.0-142	
1-Methylnaphthalene	2.00	1.70	85.0	66.0-142	
2-Methylnaphthalene	2.00	1.74	87.0	62.0-136	
2-Chloronaphthalene	2.00	1.54	77.0	64.0-140	
(S) Nitrobenzene-d5			*73.5*	*31.0-160*	
(S) 2-Fluorobiphenyl			*70.5*	*48.0-148*	
(S) p-Terphenyl-d14			*69.0*	*37.0-146*	

L1671446-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671446-04 11/02/23 02:13 • (MS) R3995064-3 11/02/23 02:31 • (MSD) R3995064-4 11/02/23 02:48

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	2.00	U	1.51	1.15	75.5	57.5	1	56.0-156		J3	27.1	20
Acenaphthene	2.00	U	1.56	1.18	78.0	59.0	1	44.0-153		J3	27.7	20
Acenaphthylene	2.00	U	1.60	1.21	80.0	60.5	1	53.0-150		J3	27.8	20
Benzo(a)anthracene	2.00	U	1.66	1.27	83.0	63.5	1	47.0-151		J3	26.6	20
Benzo(a)pyrene	2.00	U	1.42	1.13	71.0	56.5	1	45.0-146		J3	22.7	20
Benzo(b)fluoranthene	2.00	U	1.47	1.12	73.5	56.0	1	43.0-142		J3	27.0	20
Benzo(g,h,i)perylene	2.00	U	1.21	0.995	60.5	49.7	1	40.0-147			19.5	20
Benzo(k)fluoranthene	2.00	U	1.30	1.04	65.0	52.0	1	43.0-148		J3	22.2	21
Chrysene	2.00	U	1.58	1.23	79.0	61.5	1	50.0-148		J3	24.9	20
Dibenz(a,h)anthracene	2.00	U	1.19	0.964	59.5	48.2	1	37.0-151		J3	21.0	20
Dibenzofuran	2.00	U	1.63	1.21	81.5	60.5	1	48.0-138		J3	29.6	20
Fluoranthene	2.00	U	1.74	1.31	87.0	65.5	1	56.0-157		J3	28.2	20
Fluorene	2.00	U	1.71	1.31	85.5	65.5	1	48.0-148		J3	26.5	20
Hexachlorobenzene	2.00	U	1.59	1.19	79.5	59.5	1	40.0-140		J3	28.8	20
Indeno(1,2,3-cd)pyrene	2.00	U	1.35	1.09	67.5	54.5	1	41.0-148		J3	21.3	20
Naphthalene	2.00	U	1.62	1.20	81.0	60.0	1	10.0-160		J3	29.8	20
Phenanthrene	2.00	U	1.63	1.22	81.5	61.0	1	47.0-147		J3	28.8	20
Pyrene	2.00	U	1.61	1.28	80.5	64.0	1	51.0-148		J3	22.8	20

L1671446-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671446-04 11/02/23 02:13 • (MS) R3995064-3 11/02/23 02:31 • (MSD) R3995064-4 11/02/23 02:48

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	2.00	U	1.72	1.28	86.0	64.0	1	21.0-160		J3	29.3	20
2-Methylnaphthalene	2.00	U	1.75	1.30	87.5	65.0	1	31.0-160		J3	29.5	20
2-Chloronaphthalene	2.00	U	1.54	1.19	77.0	59.5	1	52.0-148		J3	25.6	20
(S) Nitrobenzene-d5					*77.0*	*74.0*		*31.0-160*				
(S) 2-Fluorobiphenyl					*76.0*	*75.5*		*48.0-148*				
(S) p-Terphenyl-d14					*67.5*	*74.0*		*37.0-146*				

L1671427-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671427-08 11/02/23 06:56 • (MS) R3995064-5 11/02/23 07:14 • (MSD) R3995064-6 11/02/23 07:31

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	2.00	U	1.86	1.60	93.0	80.0	2	56.0-156			15.0	20
Acenaphthene	2.00	U	1.91	1.73	95.5	86.5	2	44.0-153			9.89	20
Acenaphthylene	2.00	U	1.92	1.73	96.0	86.5	2	53.0-150			10.4	20
Benzo(a)anthracene	2.00	U	1.98	1.49	99.0	74.5	2	47.0-151		J3	28.2	20
Benzo(a)pyrene	2.00	U	1.74	1.23	87.0	61.5	2	45.0-146		J3	34.3	20
Benzo(b)fluoranthene	2.00	U	1.73	1.23	86.5	61.5	2	43.0-142		J3	33.8	20
Benzo(g,h,i)perylene	2.00	U	1.59	1.11	79.5	55.5	2	40.0-147		J3	35.6	20
Benzo(k)fluoranthene	2.00	U	1.63	1.08	81.5	54.0	2	43.0-148		J3	40.6	21
Chrysene	2.00	U	1.98	1.48	99.0	74.0	2	50.0-148		J3	28.9	20
Dibenz(a,h)anthracene	2.00	U	1.52	1.01	76.0	50.5	2	37.0-151		J3	40.3	20
Dibenzofuran	2.00	U	1.99	1.77	99.5	88.5	2	48.0-138			11.7	20
Fluoranthene	2.00	U	2.13	1.76	106	88.0	2	56.0-157			19.0	20
Fluorene	2.00	U	2.13	1.89	106	94.5	2	48.0-148			11.9	20
Hexachlorobenzene	2.00	U	1.96	1.59	98.0	79.5	2	40.0-140		J3	20.8	20
Indeno(1,2,3-cd)pyrene	2.00	U	1.68	1.17	84.0	58.5	2	41.0-148		J3	35.8	20
Naphthalene	2.00	U	2.00	1.90	100	95.0	2	10.0-160			5.13	20
Phenanthrene	2.00	U	1.99	1.77	99.5	88.5	2	47.0-147			11.7	20
Pyrene	2.00	U	1.98	1.55	99.0	77.5	2	51.0-148		J3	24.4	20
1-Methylnaphthalene	2.00	U	2.10	1.93	105	96.5	2	21.0-160			8.44	20
2-Methylnaphthalene	2.00	U	2.12	1.95	106	97.5	2	31.0-160			8.35	20
2-Chloronaphthalene	2.00	U	1.93	1.74	96.5	87.0	2	52.0-148			10.4	20
(S) Nitrobenzene-d5					*95.5*	*95.0*		*31.0-160*				
(S) 2-Fluorobiphenyl					*93.0*	*76.0*		*48.0-148*				
(S) p-Terphenyl-d14					*87.5*	*60.0*		*37.0-146*				

Method Blank (MB)

(MB) R3996292-2 11/03/23 01:36

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
Dibenzofuran	U		0.0191	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
(S) Nitrobenzene-d5	*105*			*31.0-160*
(S) 2-Fluorobiphenyl	*83.5*			*48.0-148*
(S) p-Terphenyl-d14	*84.5*			*37.0-146*

Laboratory Control Sample (LCS)

(LCS) R3996292-1 11/03/23 01:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	2.00	2.11	105	67.0-150	
Acenaphthene	2.00	2.07	104	65.0-138	
Acenaphthylene	2.00	2.25	112	66.0-140	
Benzo(a)anthracene	2.00	2.25	112	61.0-140	
Benzo(a)pyrene	2.00	2.18	109	60.0-143	
Benzo(b)fluoranthene	2.00	1.88	94.0	58.0-141	
Benzo(g,h,i)perylene	2.00	1.84	92.0	52.0-153	
Benzo(k)fluoranthene	2.00	1.88	94.0	58.0-148	
Chrysene	2.00	2.18	109	64.0-144	

Laboratory Control Sample (LCS)

(LCS) R3996292-1 11/03/23 01:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dibenz(a,h)anthracene	2.00	1.91	95.5	52.0-155	
Dibenzofuran	2.00	2.06	103	67.0-134	
Fluoranthene	2.00	2.35	117	69.0-153	
Fluorene	2.00	2.22	111	64.0-136	
Hexachlorobenzene	2.00	2.02	101	40.0-140	
Indeno(1,2,3-cd)pyrene	2.00	2.09	104	54.0-153	
Naphthalene	2.00	1.95	97.5	61.0-137	
Phenanthrene	2.00	2.05	103	62.0-137	
Pyrene	2.00	2.20	110	60.0-142	
1-Methylnaphthalene	2.00	2.12	106	66.0-142	
2-Methylnaphthalene	2.00	2.17	108	62.0-136	
2-Chloronaphthalene	2.00	1.95	97.5	64.0-140	
(S) Nitrobenzene-d5			*112*	*31.0-160*	
(S) 2-Fluorobiphenyl			*95.0*	*48.0-148*	
(S) p-Terphenyl-d14			*98.5*	*37.0-146*	

L1671895-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671895-03 11/03/23 06:30 • (MS) R3996292-3 11/03/23 06:47 • (MSD) R3996292-4 11/03/23 07:04

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	1.33	1.40	70.0	73.7	1	56.0-156			5.13	20
Acenaphthene	1.90	U	1.56	1.62	82.1	85.3	1	44.0-153			3.77	20
Acenaphthylene	1.90	U	1.62	1.72	85.3	90.5	1	53.0-150			5.99	20
Benzo(a)anthracene	1.90	U	1.54	1.61	81.1	84.7	1	47.0-151			4.44	20
Benzo(a)pyrene	1.90	U	1.62	1.62	85.3	85.3	1	45.0-146			0.000	20
Benzo(b)fluoranthene	1.90	U	1.37	1.45	72.1	76.3	1	43.0-142			5.67	20
Benzo(g,h,i)perylene	1.90	U	1.45	1.43	76.3	75.3	1	40.0-147			1.39	20
Benzo(k)fluoranthene	1.90	U	1.42	1.33	74.7	70.0	1	43.0-148			6.55	21
Chrysene	1.90	U	1.67	1.65	87.9	86.8	1	50.0-148			1.20	20
Dibenz(a,h)anthracene	1.90	U	1.31	1.28	68.9	67.4	1	37.0-151			2.32	20
Dibenzofuran	1.90	U	1.40	1.48	73.7	77.9	1	48.0-138			5.56	20
Fluoranthene	1.90	U	1.83	1.88	96.3	98.9	1	56.0-157			2.70	20
Fluorene	1.90	U	1.54	1.65	81.1	86.8	1	48.0-148			6.90	20
Hexachlorobenzene	1.90	U	1.68	1.73	88.4	91.1	1	40.0-140			2.93	20
Indeno(1,2,3-cd)pyrene	1.90	U	1.46	1.48	76.8	77.9	1	41.0-148			1.36	20
Naphthalene	1.90	U	1.53	1.53	80.5	80.5	1	10.0-160			0.000	20
Phenanthrene	1.90	U	1.39	1.46	73.2	76.8	1	47.0-147			4.91	20
Pyrene	1.90	U	1.72	1.80	90.5	94.7	1	51.0-148			4.55	20

L1671895-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1671895-03 11/03/23 06:30 • (MS) R3996292-3 11/03/23 06:47 • (MSD) R3996292-4 11/03/23 07:04

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	1.62	1.67	85.3	87.9	1	21.0-160			3.04	20
2-Methylnaphthalene	1.90	U	1.58	1.63	83.2	85.8	1	31.0-160			3.12	20
2-Chloronaphthalene	1.90	U	1.36	1.42	71.6	74.7	1	52.0-148			4.32	20
(S) Nitrobenzene-d5					*84.2*	*90.5*		*31.0-160*				
(S) 2-Fluorobiphenyl					*72.1*	*76.3*		*48.0-148*				
(S) p-Terphenyl-d14					*76.3*	*81.1*		*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.
J2	Surrogate recovery limits have been exceeded; values are outside lower 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	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: Max Mansilla

Email To: edward.meyer@arcadis.com;maxwell.mansilla

Project Description: Pod 4 - Beacon PMG00037

City/State Collected:

Please Circle: PT MT CT ET

Phone: 908-380-7457

Client Project # 30064362.19.45

Lab Project # CHEVARCNY-BEACON

Collected by (print): Kirk Vargas, 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

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- 231025	Grab	GW		10/25/23	1253	11		X	X	X	X	X			-01
OS-3-W- 231025	Grab	GW		10/25/23	1325	11		X	X	X	X	X			-02
OR-2-W- 231027	Grab	GW		10/27/23	1650	11		X	X	X	X	X			15
OR-3-W- 231027	Grab	GW		10/27/23	1220	11		X	X	X	X	X			16
DB-17-W- 231026	Grab	GW		10/26/23	1005	13	X	X	X	X	X	X			-04
DB-8A-W- 231026	Grab	GW		10/26/23	1125	13	X	X	X	X	X	X			-03
DC-2-W- 231026	Grab	GW		10/26/23	1320	11		X	X	X	X	X			-05
DC-1-W- 231026	Grab	GW		10/26/23	1210	11		X	X	X	X	X			-06
TF-23-W- 231026	Grab	GW		10/26/23	1440	11		X	X	X	X	X			-07
TF-5-W- 231026	Grab	GW		10/26/23	1500	11		X	X	X	X	X			-08

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
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 # L1671446

Table #

Acctnum: CHEVARCNY
Template: T166593
Prelogin: P1032668
PM: 526 - Chris McCord
PB: 10/23/23 JLS
Shipped Via: FedEX Priority

* 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)
Kirk Vargas	10/27/23	1610	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Caleb Tarp

Trip Blank Received: (Yes) / No
2 HCL / MeoH TBR

Temp: °C Bottles Received: 12

Date: 10/28/23 Time: 09:00

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: **Max Mansilla**

Email To: edward.meyer@arcadis.com;maxwell.mansilla

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

City/State Collected:

Please Circle: PT MT CT ET

Phone: **908-380-7457**

Client Project # **30064362.19.45**

Lab Project # **CHEVARCNY-BEACON**

Collected by (print): Kirk Vargo / Shannon Turhan

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

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
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 # L1471446
1102

Acctnum: **CHEVARCNY**
Template: **T166593**
Prelogin: **P1032668**
PM: **526 - Chris McCord**
PB: 10/23/23 TLS
Shipped Via: **FedEX Priority**

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						MS 11/1/23
BD-W- 231026	Grab	GW		10/26/23	—	11		X	X	X	X	X						MSD
EB-W- 231025	Grab	GW		10/25/23	1430	11		X	X	X	X	X					-10	
EB-W- 231026	Grab	GW		10/26/23	1500	11		X	X	X	X	X					18	
EB-W- 231027	Grab	GW		10/27/23	1400	11		X	X	X	X	X					19	
QA-MS-W- 231026	Grab	GW		10/26/23	1125	11		X	X	X	X	X					17	
QA-MSD-W- 231026	Grab	GW		10/26/23	1125	11		X	X	X	X	X					04	
		GW				11		X	X	X	X	X					04	
TB-W- 231027	Grab	GW		10/27/23	—	~~11~~ 2							X					
TB-W-		GW				1							X				-B	

* 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)
Kirk Vargo	10/27/23	1610	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Caleb Tapp

Trip Blank Received: (Yes) / No
2 HCL / MeoH TBR

Temp: °C Bottles Received: 121

Date: 10/28/23 Time: 09:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

1471444

Tracking Numbers		Temperature
7123 3303 4326		CCA3 1.9+0=1.9
7123 3303 4398		CCA8 1.2+0=1.2

Caleb Tapp
Name

10/28/23
Date

Domenech, Jackson

From: Domenech, Jackson
Sent: Tuesday, April 30, 2024 9:11 AM
To: NYENVDATA@dec.ny.gov
Cc: Meyer, Edward; White, Greta L (DEC); Speer, Robert
Subject: Original EDD Submittal for NYSDEC Site No. 314004, Chevron Beacon, NY - Texaco Research Center Site (SDG L1605860 and SDG L1671446)
Attachments: 20240430 1728.314004.NYSDEC_MERGE.zip; 20240430 1726.314004.NYSDEC_MERGE.zip

DEC EIMS Administrator,

The attached EDDs contain data (SDG L1605860 and SDG L1671446) collected at the Chevron Beacon, NY – Texaco Research Center Site (NYSDEC Site No. 314004) in April and October 2023, respectively.

The respective project managers for the Site are:

- Greta White – NYSDEC
- Robert Speer – Chevron
- Edward Meyer – Arcadis

Please feel free to contact me should you have any questions or require additional information.

Thank you,
Jackson

Jackson Domenech
Staff Environmental Engineer
Arcadis U.S., Inc.
50 Millstone Rd Bldg 200 Suite 220| East Windsor, NJ | 08512 | USA
T +1 609 366 9038
M +1 631 617 8322
www.arcadis.com

Appendix C

Data Validation 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 # L1605860

Analyses Performed By:
Pace Analytical, Lebanon Rd
Tennessee

Report #53077R
Review Level: Tier III
Project: 30064362.19.61

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Groups (SDG) # L1605860 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-230412	L1605860-01	Water	04/12/20223		X	X	X
OS-3-W-230412	L1605860-02	Water	04/12/20223		X	X	X
OR-2-W-230412	L1605860-03	Water	04/12/20223		X	X	X
OR-3-W-230413	L1605860-04	Water	04/13/20223		X	X	X
DB-17-W-230413	L1605860-05	Water	04/13/20223		X	X	X
DB-8A-W-230413	L1605860-06	Water	04/13/20223		X	X	X
DC-2-W-230413	L1605860-07	Water	04/13/20223		X	X	X
DC-1-W-230414	L1605860-08	Water	04/14/20223		X	X	X
TF-23-W-230413	L1605860-09	Water	04/13/20223		X	X	X
BD-W-230412	L1605860-11	Water	04/12/20223	OR-2-W-230412	X	X	X
EB-W-230412	L1605860-12	Water	04/12/20223		X	X	X
EB-W-230413	L1605860-13	Water	04/13/20223		X	X	X
EB-W-230414	L1605860-15	Water	04/14/20223		X	X	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.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample ID	Compounds	Sample Result	Qualification
DB-8A-W-230413 DC-1-W-230414	Chloroform (EB)	Detected sample results <RL and <BAL	"UB" at the RL

Note:

RL Reporting limit

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
DB-17-W-230413 DB-8A-W-230413 DC-2-W-230413 DC-1-W-230414 TF-23-W-230413 BD-W-230412 EB-W-230412 EB-W-230413 EB-W-230414	ICV %D	Vinyl Acetate	+35.7 %
	CCV %D	Bromomethane	+39.5 %
		Chloroethane	+36.1 %
		Naphthalene	+24.4 %
		Vinyl Acetate	+34.4 %
		Vinyl Chloride	+32.5 %
OS-2-W-230412 OS-3-W-230412 OR-2-W-230412 OR-3-W-230413	ICV %D	Bromomethane	+30.9 %
		Dichlorodifluoromethane	+35.8 %
		Iodomethane	+29.5 %
		Vinyl Acetate	+29.3 %

Sample ID	Initial/Continuing	Compound	Criteria
	CCV %D	2,2-Dichloropropane	+25.7 %
		Chloroethane	+37.3 %
		Dichlorodifluoromethane	+40.4 %
		Naphthalene	+21.4 %
		Vinyl Acetate	+26.9 %
		Vinyl Chloride	+28.9 %
DB-17-W-230413	CCV %D	1,2,3-Trichlorobenzene	+22.3 %
		1,2,4-Trichlorobenzene	+25.9 %
		Bromomethane	+21.1 %
		Chloroethane	+29.7 %
		Hexachloro-1,3-Butadiene	+31.9 %
		Iodomethane	+43.7 %
		N-Butylbenzene	+22.4 %
		Naphthalene	+30.1 %
		Sec-Butylbenzene	+20.4 %
OS-2-W-230412 OS-3-W-230412 OR-2-W-230412 OR-3-W-230413 DB-17-W-230413 DB-8A-W-230413 DC-2-W-230413 DC-1-W-230414 TF-23-W-230413 BD-W-230412 EB-W-230412 EB-W-230413	ICV %D	Vinyl Chloride	+50.6 %
	CCV %D	Vinyl Chloride	+25.7 %

Sample ID	Initial/Continuing	Compound	Criteria
EB-W-230414			

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 <0.011	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.011	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

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 (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 ID	Compound	LCS Recovery	LCSD Recovery
DB-17-W-230413 DB-8A-W-230413 DC-2-W-230413 DC-1-W-230414 TF-23-W-230413	Isopropylbenzene	AC	<LL but >10%
BD-W-230412 EB-W-230412 EB-W-230413 EB-W-230414	Vinyl chloride	>UL	AC

The criteria used to evaluate the LCSLCSD 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

Sample locations associated with LCS/LCSD recoveries exhibiting an RPD greater than of the control limit presented in the following table

Sample ID	Compound
DB-17-W-230413 DB-8A-W-230413 DC-2-W-230413 DC-1-W-230414 TF-23-W-230413 BD-W-230412 EB-W-230412 EB-W-230413 EB-W-230414	1,2,3-Trichloropropane

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-230412 / BD-W-230412	1,1-Dichloroethane	0.186	0.197	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	
Continuing calibration %Ds		X	X		

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
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.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample ID	Compounds	Sample Result	Qualification
DB-17-W-230413	1,4-Dioxane (MB)	Detected sample results <RL and <BAL	“UB” at the RL

Note:

RL Reporting limit

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 ID	Initial/Continuing	Compound	Criteria
OS-2-W-230412 OS-3-W-230412 OR-2-W-230412 BD-W-230412 EB-W-230412	ICV %D	Pentachlorophenol	+27.4 %
		Benzaldehyde	+24.6 %
	CCV %D	2,4-Dinitrophenol	+24.9 %
		2,4-Dinitrotoluene	+24.1 %
		4-Nitrophenol	+256 %
		Di-N-Octyl Phthalate	+24.9 %
		Atrazine	+22.3 %
		Benzaldehyde	+22.9 %
		Caprolactam	+30.7 %

Sample ID	Initial/Continuing	Compound	Criteria
		1,2,4,5-Tetrachlorobenzene	+22.4%
OR-3-W-230413	ICV %D	Pentachlorophenol	+36.3 %
DB-17-W-230413 DB-8A-W-230413 DC-2-W-230413 DC-1-W-230414 TF-23-W-230413 BD-W-230412 EB-W-230412 EB-W-230413 EB-W-230414	CCV %D	2,4-Dinitrophenol	+47.9 %
		2-Nitroaniline	+21.1 %
		2-Nitrophenol	+20.7 %
		4,6-Dinitro-2-Methylphenol	+49.7 %
		Benzylbutyl Phthalate	+28.7 %
		Di-N-Octyl Phthalate	+32.9 %

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 <0.011	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.011	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

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 was not performed on any of the samples from this SDG.

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 ID	Compounds	LCS Recovery
OS-2-W-230412 OS-3-W-230412 OR-2-W-230412 BD-W-230412 EB-W-230412	Biphenyl	<LL but >10%
	4-Bromophenyl-phenylether	<LL but >10%
	Carbazole	<LL but >10%
	2,6-Dinitrotoluene	<LL but >10%
	n-Nitrosodiphenylamine	<LL but >10%
	4-Nitrophenol	>UL
	2,4,6-Trichlorophenol	<LL but >10%
OR-3-W-230413 DB-17-W-230413 DB-8A-W-230413 DC-2-W-230413 DC-1-W-230414 TF-23-W-230413 EB-W-230413 EB-W-230414	Benzaldehyde	>UL
	Benzylbutyl phthalate	>UL
	Bis(2-ethylhexyl)phthalate	>UL
	Di-n-octyl phthalate	>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

Note:
Sample results were not qualified as rejected (R) due to the deviations listed above.

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
OR-2-W-230412 / BD-W-230412	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	
Ion abundance criteria for each instrument used		X		X	

SVOCs: SW-846 8270D-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
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 2017); 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 IDs OS-2-W-230412, 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
OR-2-W-230412 / BD-W-230412	Lead, Dissolved	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	
Transcription/calculations acceptable		X		X	
Raw Data		X		X	

METALS; SW-846 6020A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
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	
L1605860	04/12/20223	SW6020A SM8260C SW8270D	OS-2-W-230412	Water	Yes	Yes	No	VOC – ICV and CCV %D exceedance SVOC – ICV and CCV %D exceedance, LCS %R
	04/12/20223		OS-3-W-230412	Water	Yes	Yes	No	VOC – ICV and CCV %D exceedance SVOC – ICV and CCV %D exceedance, LCS %R
	04/12/20223		OR-2-W-230412	Water	Yes	Yes	No	VOC – ICV and CCV %D exceedance SVOC – ICV and CCV %D exceedance, LCS %R
	04/13/20223		OR-3-W-230413	Water	Yes	Yes	No	VOC – ICV and CCV %D exceedance SVOC – ICV and CCV %D exceedance, LCS %R
	04/13/20223		DB-17-W-230413	Water	Yes	Yes	No	VOC – ICV and CCV %D exceedance, LCS %R and LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R and method blank contamination
	04/13/20223		DB-8A-W-230413	Water	Yes	Yes	No	VOC – ICV and CCV %D exceedance, LCS %R and LCS/LCSD RPD and equipment blank contamination SVOC – ICV and CCV %D exceedance, LCS %R
	04/13/20223		DC-2-W-230413	Water	Yes	Yes	No	VOC – ICV and CCV %D exceedance, LCS %R and LCS/LCSD RPD

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]			Noncompliance
					VOC	SVOC	MET	
								SVOC – ICV and CCV %D exceedance, LCS %R
	04/14/20223		DC-1-W-230414	Water	Yes	Yes	No	VOC – ICV and CCV %D exceedance, LCS %R and LCS/LCSD RPD and equipment blank contamination SVOC – ICV and CCV %D exceedance, LCS %R
	04/13/20223		TF-23-W-230413	Water	Yes	Yes	No	VOC – ICV and CCV %D exceedance, LCS %R and LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R
	04/12/20223		BD-W-230412	Water	Yes	Yes	No	VOC – ICV and CCV %D exceedance, LCS %R and LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R
	04/12/20223		EB-W-230412	Water	Yes	Yes	No	VOC – ICV and CCV %D exceedance, LCS %R and LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R
	04/13/20223		EB-W-230413	Water	Yes	Yes	No	VOC – ICV and CCV %D exceedance, LCS %R and LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R
	04/14/20223		EB-W-230414	Water	Yes	Yes	No	VOC – ICV and CCV %D exceedance, LCS %R and LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R

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: March 05, 2024

PEER REVIEW: Dennis Capria

DATE: March 10, 2024

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: **Max Mansilla**

Email To: **edward.meyer@arcadis.com;maxwell.mansilla**

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

City/State Collected: **Fiskill, NY**

Please Circle: PT MT CT (ET)

Phone: **908-380-7457**

Client Project # **30064362.19.45**

Lab Project # **CHEVARCNY-BEACON**

Collected by (print): **Shekhar Gahlot**

Site/Facility ID # **PMG00037**

P.O. #

Collected by (signature): SG

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 ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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 # L1605860
C237

Acctnum: **CHEVARCNY**
Template: **T166593**
Prelogin: **P992415**
PM: **526 - Chris McCord**
PB: BW 4/10
Shipped Via: **FedEX Priority**

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-230412	G	GW	—	4/12/23	1204	11		X	X	X	X	X						-01
OS-3-W-230412	G	GW	—	4/12/23	1259	11		X	X	X	X	X						-02
OR-2-W-230412	G	GW	—	4/12/23	1411	11		X	X	X	X	X						-03
OR-3-W-230413	G	GW	—	4/13/23	1046	11		X	X	X	X	X						-04
DB-17-W-230413	G	GW	—	4/13/23	1215	13	X	X	X	X	X	X						-05
DB-8A-W-230413	G	GW	—	4/13/23	1313	13	X	X	X	X	X	X						-06
DC-2-W-230413	G	GW	—	4/13/23	1417	11		X	X	X	X	X						-07
DC-1-W-230414	G	GW	—	4/14/23	0920	11		X	X	X	X	X						-08
TF-23-W-230414	G	GW	—	4/14/23	1027	11		X	X	X	X	X						-09
TF-5-W-230414	G	GW	—	4/14/23		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)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
SG	4/14/23	1400		2 ✓	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 169	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4.5.23 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:
Max Mansilla

Email To:
edward.meyer@arcadis.com;maxwell.mansilla

Project Description:
Pod 4 - Beacon PMG00037

City/State Collected: Fishkill, NY

Please Circle: PT MT CT (ET)

Phone: **908-380-7457**

Client Project #
30064362.19.45

Lab Project #
CHEVARCNY-BEACON

Collected by (print):
Shekhar Gahlod

Site/Facility ID #
PMG00037

P.O. #

Collected by (signature):
SG

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
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Quote #

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Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L1605860

Table #

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Template: **T166593**
Prelogin: **P992415**
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PB: BW 4/10

Shipped Via: **FedEX Priority**

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		GW				11		X	X	X	X	X					
BD-W-230412	G	GW	-	4/12/23	-	11		X	X	X	X	X					-11
EB-W-230412	G	GW	-	4/12/23	1500	11		X	X	X	X	X					-12
EB-W-230413	G	GW	-	4/13/23	1500	11		X	X	X	X	X					-13
EB-W-230414	G	GW	-	4/14/23	1300	11		X	X	X	X	X					MM-15
QA-MS-W-230413	G	GW	-	4/13/23	1046	11		X	X	X	X	X					
QA-MSD-W-230413	G	GW	-	4/13/23	1046	11		X	X	X	X	X					
		GW				11		X	X	X	X	X					
TB-W-		GW				1							X				
TB-W-		GW				1							X				

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking #

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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: ✓ __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
SG	4/14/23	1400		2 ✓	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 169	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4.15.23 Time: 0900	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	04/20/2023 20:53	WG2043048

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	04/18/2023 13:26	WG2043131	
Acetone	U		11.3	25.0	1	04/17/2023 17:01	WG2043269	
Acrylonitrile	U		0.671	5.00	1	04/17/2023 17:01	WG2043269	
Benzene	U		0.0941	0.500	1	04/17/2023 17:01	WG2043269	
Bromobenzene	U		0.118	0.500	1	04/17/2023 17:01	WG2043269	
Bromodichloromethane	U		0.136	0.500	1	04/17/2023 17:01	WG2043269	
Bromochloromethane	U		0.128	0.500	1	04/17/2023 17:01	WG2043269	
Bromoform	U		0.129	0.500	1	04/17/2023 17:01	WG2043269	
Bromomethane	U	UJ	0.605	2.50	1	04/17/2023 17:01	WG2043269	
n-Butylbenzene	U		0.157	0.500	1	04/17/2023 17:01	WG2043269	
sec-Butylbenzene	U		0.125	0.500	1	04/17/2023 17:01	WG2043269	
tert-Butylbenzene	U		0.127	0.500	1	04/17/2023 17:01	WG2043269	
Carbon disulfide	U		0.0962	0.500	1	04/17/2023 17:01	WG2043269	
Carbon tetrachloride	U		0.128	0.500	1	04/17/2023 17:01	WG2043269	
Chlorobenzene	U		0.117	0.500	1	04/17/2023 17:01	WG2043269	
Chlorodibromomethane	U		0.140	0.500	1	04/17/2023 17:01	WG2043269	
Chloroethane	U	UJ	0.192	2.50	1	04/17/2023 17:01	WG2043269	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~04/17/2023 17:01~~	WG2043269	R
Chloroform	U		0.111	0.500	1	04/17/2023 17:01	WG2043269	
Chloromethane	U		0.960	1.25	1	04/17/2023 17:01	WG2043269	
2-Chlorotoluene	U		0.106	0.500	1	04/17/2023 17:01	WG2043269	
4-Chlorotoluene	U		0.114	0.500	1	04/17/2023 17:01	WG2043269	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/17/2023 17:01	WG2043269	
1,2-Dibromoethane	U		0.126	0.500	1	04/17/2023 17:01	WG2043269	
Dibromomethane	U		0.122	0.500	1	04/17/2023 17:01	WG2043269	
1,2-Dichlorobenzene	U		0.107	0.500	1	04/17/2023 17:01	WG2043269	
1,3-Dichlorobenzene	U		0.299	0.500	1	04/17/2023 17:01	WG2043269	
1,4-Dichlorobenzene	U		0.120	0.500	1	04/17/2023 17:01	WG2043269	
Dichlorodifluoromethane	U	UJ	0.374	2.50	1	04/17/2023 17:01	WG2043269	
1,1-Dichloroethane	U		0.100	0.500	1	04/17/2023 17:01	WG2043269	
1,2-Dichloroethane	U		0.0819	0.500	1	04/17/2023 17:01	WG2043269	
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2023 17:01	WG2043269	
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/17/2023 17:01	WG2043269	
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/17/2023 17:01	WG2043269	
1,2-Dichloropropane	U		0.149	0.500	1	04/17/2023 17:01	WG2043269	
1,1-Dichloropropene	U		0.142	0.500	1	04/17/2023 17:01	WG2043269	
1,3-Dichloropropane	U		0.109	1.00	1	04/17/2023 17:01	WG2043269	
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/17/2023 17:01	WG2043269	
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/17/2023 17:01	WG2043269	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/17/2023 17:01	WG2043269	
2,2-Dichloropropane	U	UJ	0.161	0.500	1	04/17/2023 17:01	WG2043269	
Di-isopropyl ether	U		0.105	0.500	1	04/17/2023 17:01	WG2043269	
Ethylbenzene	U		0.137	0.500	1	04/17/2023 17:01	WG2043269	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/17/2023 17:01	WG2043269	
2-Hexanone	U		0.787	5.00	1	04/17/2023 17:01	WG2043269	
n-Hexane	U		0.749	5.00	1	04/17/2023 17:01	WG2043269	
Iodomethane	U	UJ	0.554	5.00	1	04/17/2023 17:01	WG2043269	
Isopropylbenzene	U		0.105	0.500	1	04/17/2023 17:01	WG2043269	
p-Isopropyltoluene	U		0.120	0.500	1	04/17/2023 17:01	WG2043269	
2-Butanone (MEK)	U		1.19	5.00	1	04/17/2023 17:01	WG2043269	

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	04/17/2023 17:01	WG2043269
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/17/2023 17:01	WG2043269
Methyl tert-butyl ether	U		0.101	0.500	1	04/17/2023 17:01	WG2043269
Naphthalene	U	UJ C3	0.174	2.50	1	04/17/2023 17:01	WG2043269
n-Propylbenzene	U		0.0993	0.500	1	04/17/2023 17:01	WG2043269
Styrene	U		0.118	0.500	1	04/17/2023 17:01	WG2043269
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/17/2023 17:01	WG2043269
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/17/2023 17:01	WG2043269
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/17/2023 17:01	WG2043269
Tetrachloroethene	U		0.300	0.500	1	04/17/2023 17:01	WG2043269
Toluene	U		0.278	0.500	1	04/17/2023 17:01	WG2043269
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2023 17:01	WG2043269
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/17/2023 17:01	WG2043269
1,1,1-Trichloroethane	U		0.149	0.500	1	04/17/2023 17:01	WG2043269
1,1,2-Trichloroethane	U		0.158	0.500	1	04/17/2023 17:01	WG2043269
Trichloroethene	U		0.190	0.500	1	04/17/2023 17:01	WG2043269
Trichlorofluoromethane	U		0.160	2.50	1	04/17/2023 17:01	WG2043269
1,2,3-Trichloropropane	U		0.237	2.50	1	04/17/2023 17:01	WG2043269
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/17/2023 17:01	WG2043269
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/17/2023 17:01	WG2043269
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/17/2023 17:01	WG2043269
Vinyl acetate	U	UJ	0.692	5.00	1	04/17/2023 17:01	WG2043269
Vinyl chloride	U	UJ	0.234	0.500	1	04/17/2023 17:01	WG2043269
Xylenes, Total	U		0.174	1.50	1	04/17/2023 17:01	WG2043269
(S) Toluene-d8	*109*			*80.0-120*		*04/17/2023 17:01*	WG2043269
(S) 4-Bromofluorobenzene	*95.4*			*77.0-126*		*04/17/2023 17:01*	WG2043269
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*04/17/2023 17:01*	WG2043269

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	04/19/2023 23:59	WG2043355
Atrazine	U	UJ	0.255	10.0	1	04/19/2023 23:59	WG2043355
Benzaldehyde	U	UJ C3	1.69	10.0	1	04/19/2023 23:59	WG2043355
Biphenyl	U	UJ J4	0.790	10.0	1	04/19/2023 23:59	WG2043355
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/19/2023 23:59	WG2043355
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/19/2023 23:59	WG2043355
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/19/2023 23:59	WG2043355
4-Bromophenyl-phenylether	U	UJ J4	0.0877	10.0	1	04/19/2023 23:59	WG2043355
Caprolactam	U	UJ	0.309	10.0	1	04/19/2023 23:59	WG2043355
Carbazole	U	UJ J4	0.111	10.0	1	04/19/2023 23:59	WG2043355
4-Chloroaniline	U		0.234	5.00	1	04/19/2023 23:59	WG2043355
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/19/2023 23:59	WG2043355
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/19/2023 23:59	WG2043355
2,4-Dinitrotoluene	U	UJ	0.0983	5.00	1	04/19/2023 23:59	WG2043355
2,6-Dinitrotoluene	U	UJ J4	0.250	5.00	1	04/19/2023 23:59	WG2043355
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/19/2023 23:59	WG2043355
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/19/2023 23:59	WG2043355
Hexachloroethane	U		0.127	5.00	1	04/19/2023 23:59	WG2043355
Isophorone	U		0.143	10.0	1	04/19/2023 23:59	WG2043355
2-Nitroaniline	U		0.102	10.0	1	04/19/2023 23:59	WG2043355
3-Nitroaniline	U		0.0869	5.00	1	04/19/2023 23:59	WG2043355
4-Nitroaniline	U		0.0910	5.00	1	04/19/2023 23:59	WG2043355
Nitrobenzene	U		0.297	10.0	1	04/19/2023 23:59	WG2043355
n-Nitrosodiphenylamine	U	UJ J4	2.37	10.0	1	04/19/2023 23:59	WG2043355
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/19/2023 23:59	WG2043355

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	04/19/2023 23:59	WG2043355	
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	04/19/2023 23:59	WG2043355	
Di-n-butyl phthalate	U		0.453	3.00	1	04/19/2023 23:59	WG2043355	
Diethyl phthalate	U		0.287	3.00	1	04/19/2023 23:59	WG2043355	
Dimethyl phthalate	U		0.260	3.00	1	04/19/2023 23:59	WG2043355	
Di-n-octyl phthalate	U	UJ	0.932	3.00	1	04/19/2023 23:59	WG2043355	
1,2,4,5-Tetrachlorobenzene	U	UJ	0.0647	10.0	1	04/19/2023 23:59	WG2043355	
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/19/2023 23:59	WG2043355	
2-Chlorophenol	U		0.133	1.00	1	04/19/2023 23:59	WG2043355	
2-Methylphenol	U		0.0929	1.00	1	04/19/2023 23:59	WG2043355	
3&4-Methyl Phenol	U		0.168	1.00	1	04/19/2023 23:59	WG2043355	
2,4-Dichlorophenol	U		0.102	5.00	1	04/19/2023 23:59	WG2043355	
2,4-Dimethylphenol	U		0.0636	10.0	1	04/19/2023 23:59	WG2043355	
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	04/19/2023 23:59	WG2043355	
2,4-Dinitrophenol	U	UJ	5.93	10.0	1	04/19/2023 23:59	WG2043355	
2-Nitrophenol	U		0.117	10.0	1	04/19/2023 23:59	WG2043355	
~~4-Nitrophenol~~	~~U~~	~~J4~~	~~0.143~~	~~10.0~~	~~1~~	~~04/19/2023 23:59~~	WG2043355	R
Pentachlorophenol	U	UJ	0.313	1.00	1	04/19/2023 23:59	WG2043355	
Phenol	U		4.33	10.0	1	04/19/2023 23:59	WG2043355	
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/19/2023 23:59	WG2043355	
2,4,6-Trichlorophenol	U	UJ ~~J4~~	0.100	1.00	1	04/19/2023 23:59	WG2043355	
(S) 2-Fluorophenol	*19.8*			*10.0-120*		*04/19/2023 23:59*	WG2043355	
(S) Phenol-d5	*13.8*			*10.0-120*		*04/19/2023 23:59*	WG2043355	
(S) Nitrobenzene-d5	*36.3*			*10.0-127*		*04/19/2023 23:59*	WG2043355	
(S) 2-Fluorobiphenyl	*36.7*			*10.0-130*		*04/19/2023 23:59*	WG2043355	
(S) 2,4,6-Tribromophenol	*39.4*			*10.0-155*		*04/19/2023 23:59*	WG2043355	
(S) p-Terphenyl-d14	*44.0*			*10.0-128*		*04/19/2023 23:59*	WG2043355	

Sample Narrative:

L1605860-01 WG2043355: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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	04/18/2023 10:57	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 10:57	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 10:57	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 10:57	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 10:57	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 10:57	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 10:57	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 10:57	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 10:57	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 10:57	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 10:57	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 10:57	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 10:57	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 10:57	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 10:57	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 10:57	WG2043323
Phenanthrene	0.0213	J	0.0180	0.0500	1	04/18/2023 10:57	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 10:57	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 10:57	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 10:57	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 10:57	WG2043323
(S) Nitrobenzene-d5	*96.0*			*31.0-160*		*04/18/2023 10:57*	WG2043323

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	*97.0*			*48.0-148*		*04/18/2023 10:57*	WG2043323
(S) p-Terphenyl-d14	*91.0*			*37.0-146*		*04/18/2023 10:57*	WG2043323

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	04/20/2023 21:06	WG2043048

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	04/18/2023 13:49	WG2043131	
Acetone	U		11.3	25.0	1	04/17/2023 17:21	WG2043269	
Acrylonitrile	U		0.671	5.00	1	04/17/2023 17:21	WG2043269	
Benzene	U		0.0941	0.500	1	04/17/2023 17:21	WG2043269	
Bromobenzene	U		0.118	0.500	1	04/17/2023 17:21	WG2043269	
Bromodichloromethane	U		0.136	0.500	1	04/17/2023 17:21	WG2043269	
Bromochloromethane	U		0.128	0.500	1	04/17/2023 17:21	WG2043269	
Bromoform	U		0.129	0.500	1	04/17/2023 17:21	WG2043269	
Bromomethane	U	UJ	0.605	2.50	1	04/17/2023 17:21	WG2043269	
n-Butylbenzene	U		0.157	0.500	1	04/17/2023 17:21	WG2043269	
sec-Butylbenzene	U		0.125	0.500	1	04/17/2023 17:21	WG2043269	
tert-Butylbenzene	U		0.127	0.500	1	04/17/2023 17:21	WG2043269	
Carbon disulfide	U		0.0962	0.500	1	04/17/2023 17:21	WG2043269	
Carbon tetrachloride	U		0.128	0.500	1	04/17/2023 17:21	WG2043269	
Chlorobenzene	U		0.117	0.500	1	04/17/2023 17:21	WG2043269	
Chlorodibromomethane	U		0.140	0.500	1	04/17/2023 17:21	WG2043269	
Chloroethane	U	UJ	0.192	2.50	1	04/17/2023 17:21	WG2043269	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~04/17/2023 17:21~~	WG2043269	R
Chloroform	U		0.111	0.500	1	04/17/2023 17:21	WG2043269	
Chloromethane	U		0.960	1.25	1	04/17/2023 17:21	WG2043269	
2-Chlorotoluene	U		0.106	0.500	1	04/17/2023 17:21	WG2043269	
4-Chlorotoluene	U		0.114	0.500	1	04/17/2023 17:21	WG2043269	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/17/2023 17:21	WG2043269	
1,2-Dibromoethane	U		0.126	0.500	1	04/17/2023 17:21	WG2043269	
Dibromomethane	U		0.122	0.500	1	04/17/2023 17:21	WG2043269	
1,2-Dichlorobenzene	U		0.107	0.500	1	04/17/2023 17:21	WG2043269	
1,3-Dichlorobenzene	U		0.299	0.500	1	04/17/2023 17:21	WG2043269	
1,4-Dichlorobenzene	U		0.120	0.500	1	04/17/2023 17:21	WG2043269	
Dichlorodifluoromethane	U	UJ	0.374	2.50	1	04/17/2023 17:21	WG2043269	
1,1-Dichloroethane	U		0.100	0.500	1	04/17/2023 17:21	WG2043269	
1,2-Dichloroethane	U		0.0819	0.500	1	04/17/2023 17:21	WG2043269	
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2023 17:21	WG2043269	
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/17/2023 17:21	WG2043269	
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/17/2023 17:21	WG2043269	
1,2-Dichloropropane	U		0.149	0.500	1	04/17/2023 17:21	WG2043269	
1,1-Dichloropropene	U		0.142	0.500	1	04/17/2023 17:21	WG2043269	
1,3-Dichloropropane	U		0.109	1.00	1	04/17/2023 17:21	WG2043269	
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/17/2023 17:21	WG2043269	
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/17/2023 17:21	WG2043269	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/17/2023 17:21	WG2043269	
2,2-Dichloropropane	U	UJ	0.161	0.500	1	04/17/2023 17:21	WG2043269	
Di-isopropyl ether	U		0.105	0.500	1	04/17/2023 17:21	WG2043269	
Ethylbenzene	U		0.137	0.500	1	04/17/2023 17:21	WG2043269	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/17/2023 17:21	WG2043269	
2-Hexanone	U		0.787	5.00	1	04/17/2023 17:21	WG2043269	
n-Hexane	U		0.749	5.00	1	04/17/2023 17:21	WG2043269	
Iodomethane	U	UJ	0.554	5.00	1	04/17/2023 17:21	WG2043269	
Isopropylbenzene	U		0.105	0.500	1	04/17/2023 17:21	WG2043269	
p-Isopropyltoluene	U		0.120	0.500	1	04/17/2023 17:21	WG2043269	
2-Butanone (MEK)	U		1.19	5.00	1	04/17/2023 17:21	WG2043269	

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	04/17/2023 17:21	WG2043269
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/17/2023 17:21	WG2043269
Methyl tert-butyl ether	U		0.101	0.500	1	04/17/2023 17:21	WG2043269
Naphthalene	U	UJ C3	0.174	2.50	1	04/17/2023 17:21	WG2043269
n-Propylbenzene	U		0.0993	0.500	1	04/17/2023 17:21	WG2043269
Styrene	U		0.118	0.500	1	04/17/2023 17:21	WG2043269
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/17/2023 17:21	WG2043269
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/17/2023 17:21	WG2043269
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/17/2023 17:21	WG2043269
Tetrachloroethene	U		0.300	0.500	1	04/17/2023 17:21	WG2043269
Toluene	U		0.278	0.500	1	04/17/2023 17:21	WG2043269
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2023 17:21	WG2043269
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/17/2023 17:21	WG2043269
1,1,1-Trichloroethane	U		0.149	0.500	1	04/17/2023 17:21	WG2043269
1,1,2-Trichloroethane	U		0.158	0.500	1	04/17/2023 17:21	WG2043269
Trichloroethene	U		0.190	0.500	1	04/17/2023 17:21	WG2043269
Trichlorofluoromethane	U		0.160	2.50	1	04/17/2023 17:21	WG2043269
1,2,3-Trichloropropane	U		0.237	2.50	1	04/17/2023 17:21	WG2043269
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/17/2023 17:21	WG2043269
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/17/2023 17:21	WG2043269
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/17/2023 17:21	WG2043269
Vinyl acetate	U	UJ	0.692	5.00	1	04/17/2023 17:21	WG2043269
Vinyl chloride	U	UJ	0.234	0.500	1	04/17/2023 17:21	WG2043269
Xylenes, Total	U		0.174	1.50	1	04/17/2023 17:21	WG2043269
(S) Toluene-d8	*107*			*80.0-120*		*04/17/2023 17:21*	WG2043269
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*		*04/17/2023 17:21*	WG2043269
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*04/17/2023 17:21*	WG2043269

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	04/20/2023 00:21	WG2043355
Atrazine	U	UJ	0.255	10.0	1	04/20/2023 00:21	WG2043355
Benzaldehyde	U	UJ C3	1.69	10.0	1	04/20/2023 00:21	WG2043355
Biphenyl	U	UJ J4	0.790	10.0	1	04/20/2023 00:21	WG2043355
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/20/2023 00:21	WG2043355
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/20/2023 00:21	WG2043355
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/20/2023 00:21	WG2043355
4-Bromophenyl-phenylether	U	UJ J4	0.0877	10.0	1	04/20/2023 00:21	WG2043355
Caprolactam	U	UJ	0.309	10.0	1	04/20/2023 00:21	WG2043355
Carbazole	U	UJ J4	0.111	10.0	1	04/20/2023 00:21	WG2043355
4-Chloroaniline	U		0.234	5.00	1	04/20/2023 00:21	WG2043355
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/20/2023 00:21	WG2043355
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/20/2023 00:21	WG2043355
2,4-Dinitrotoluene	U	UJ	0.0983	5.00	1	04/20/2023 00:21	WG2043355
2,6-Dinitrotoluene	U	UJ J4	0.250	5.00	1	04/20/2023 00:21	WG2043355
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/20/2023 00:21	WG2043355
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/20/2023 00:21	WG2043355
Hexachloroethane	U		0.127	5.00	1	04/20/2023 00:21	WG2043355
Isophorone	U		0.143	10.0	1	04/20/2023 00:21	WG2043355
2-Nitroaniline	U		0.102	10.0	1	04/20/2023 00:21	WG2043355
3-Nitroaniline	U		0.0869	5.00	1	04/20/2023 00:21	WG2043355
4-Nitroaniline	U		0.0910	5.00	1	04/20/2023 00:21	WG2043355
Nitrobenzene	U		0.297	10.0	1	04/20/2023 00:21	WG2043355
n-Nitrosodiphenylamine	U	UJ J4	2.37	10.0	1	04/20/2023 00:21	WG2043355
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/20/2023 00:21	WG2043355

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	04/20/2023 00:21	WG2043355	
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	04/20/2023 00:21	WG2043355	
Di-n-butyl phthalate	U		0.453	3.00	1	04/20/2023 00:21	WG2043355	
Diethyl phthalate	U		0.287	3.00	1	04/20/2023 00:21	WG2043355	
Dimethyl phthalate	U		0.260	3.00	1	04/20/2023 00:21	WG2043355	
Di-n-octyl phthalate	U	UJ	0.932	3.00	1	04/20/2023 00:21	WG2043355	
1,2,4,5-Tetrachlorobenzene	U	UJ	0.0647	10.0	1	04/20/2023 00:21	WG2043355	
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/20/2023 00:21	WG2043355	
2-Chlorophenol	U		0.133	1.00	1	04/20/2023 00:21	WG2043355	
2-Methylphenol	U		0.0929	1.00	1	04/20/2023 00:21	WG2043355	
3&4-Methyl Phenol	U		0.168	1.00	1	04/20/2023 00:21	WG2043355	
2,4-Dichlorophenol	U		0.102	5.00	1	04/20/2023 00:21	WG2043355	
2,4-Dimethylphenol	U		0.0636	10.0	1	04/20/2023 00:21	WG2043355	
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	04/20/2023 00:21	WG2043355	
2,4-Dinitrophenol	U	UJ	5.93	10.0	1	04/20/2023 00:21	WG2043355	
2-Nitrophenol	U		0.117	10.0	1	04/20/2023 00:21	WG2043355	
~~4-Nitrophenol~~	~~U~~	~~J4~~	~~0.143~~	~~10.0~~	~~1~~	~~04/20/2023 00:21~~	~~WG2043355~~	R
Pentachlorophenol	U	UJ	0.313	1.00	1	04/20/2023 00:21	WG2043355	
Phenol	U		4.33	10.0	1	04/20/2023 00:21	WG2043355	
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/20/2023 00:21	WG2043355	
2,4,6-Trichlorophenol	U	UJ ~~J4~~	0.100	1.00	1	04/20/2023 00:21	WG2043355	
(S) 2-Fluorophenol	*20.2*			*10.0-120*		*04/20/2023 00:21*	WG2043355	
(S) Phenol-d5	*13.4*			*10.0-120*		*04/20/2023 00:21*	WG2043355	
(S) Nitrobenzene-d5	*31.2*			*10.0-127*		*04/20/2023 00:21*	WG2043355	
(S) 2-Fluorobiphenyl	*30.9*			*10.0-130*		*04/20/2023 00:21*	WG2043355	
(S) 2,4,6-Tribromophenol	*31.5*			*10.0-155*		*04/20/2023 00:21*	WG2043355	
(S) p-Terphenyl-d14	*36.3*			*10.0-128*		*04/20/2023 00:21*	WG2043355	

Sample Narrative:

L1605860-02 WG2043355: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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	04/18/2023 11:14	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 11:14	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 11:14	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 11:14	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 11:14	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 11:14	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 11:14	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 11:14	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 11:14	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 11:14	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 11:14	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 11:14	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 11:14	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 11:14	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 11:14	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 11:14	WG2043323
Phenanthrene	0.0201	J	0.0180	0.0500	1	04/18/2023 11:14	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 11:14	WG2043323
1-Methylnaphthalene	0.0807	J	0.0687	0.250	1	04/18/2023 11:14	WG2043323
2-Methylnaphthalene	0.0946	J	0.0674	0.250	1	04/18/2023 11:14	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 11:14	WG2043323
(S) Nitrobenzene-d5	*109*			*31.0-160*		*04/18/2023 11:14*	WG2043323

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	*96.5*			*48.0-148*		*04/18/2023 11:14*	WG2043323
(S) p-Terphenyl-d14	*98.0*			*37.0-146*		*04/18/2023 11:14*	WG2043323

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	04/20/2023 21:10	WG2043048

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	04/18/2023 14:13	WG2043131	
Acetone	U		11.3	25.0	1	04/17/2023 17:41	WG2043269	
Acrylonitrile	U		0.671	5.00	1	04/17/2023 17:41	WG2043269	
Benzene	U		0.0941	0.500	1	04/17/2023 17:41	WG2043269	
Bromobenzene	U		0.118	0.500	1	04/17/2023 17:41	WG2043269	
Bromodichloromethane	U		0.136	0.500	1	04/17/2023 17:41	WG2043269	
Bromochloromethane	U		0.128	0.500	1	04/17/2023 17:41	WG2043269	
Bromoform	U		0.129	0.500	1	04/17/2023 17:41	WG2043269	
Bromomethane	U	UJ	0.605	2.50	1	04/17/2023 17:41	WG2043269	
n-Butylbenzene	U		0.157	0.500	1	04/17/2023 17:41	WG2043269	
sec-Butylbenzene	U		0.125	0.500	1	04/17/2023 17:41	WG2043269	
tert-Butylbenzene	U		0.127	0.500	1	04/17/2023 17:41	WG2043269	
Carbon disulfide	U		0.0962	0.500	1	04/17/2023 17:41	WG2043269	
Carbon tetrachloride	U		0.128	0.500	1	04/17/2023 17:41	WG2043269	
Chlorobenzene	U		0.117	0.500	1	04/17/2023 17:41	WG2043269	
Chlorodibromomethane	U		0.140	0.500	1	04/17/2023 17:41	WG2043269	
Chloroethane	U	UJ	0.192	2.50	1	04/17/2023 17:41	WG2043269	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~04/17/2023 17:41~~	WG2043269	R
Chloroform	U		0.111	0.500	1	04/17/2023 17:41	WG2043269	
Chloromethane	U		0.960	1.25	1	04/17/2023 17:41	WG2043269	
2-Chlorotoluene	U		0.106	0.500	1	04/17/2023 17:41	WG2043269	
4-Chlorotoluene	U		0.114	0.500	1	04/17/2023 17:41	WG2043269	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/17/2023 17:41	WG2043269	
1,2-Dibromoethane	U		0.126	0.500	1	04/17/2023 17:41	WG2043269	
Dibromomethane	U		0.122	0.500	1	04/17/2023 17:41	WG2043269	
1,2-Dichlorobenzene	U		0.107	0.500	1	04/17/2023 17:41	WG2043269	
1,3-Dichlorobenzene	U		0.299	0.500	1	04/17/2023 17:41	WG2043269	
1,4-Dichlorobenzene	U		0.120	0.500	1	04/17/2023 17:41	WG2043269	
Dichlorodifluoromethane	U	UJ	0.374	2.50	1	04/17/2023 17:41	WG2043269	
1,1-Dichloroethane	0.186	J	0.100	0.500	1	04/17/2023 17:41	WG2043269	
1,2-Dichloroethane	U		0.0819	0.500	1	04/17/2023 17:41	WG2043269	
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2023 17:41	WG2043269	
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/17/2023 17:41	WG2043269	
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/17/2023 17:41	WG2043269	
1,2-Dichloropropane	U		0.149	0.500	1	04/17/2023 17:41	WG2043269	
1,1-Dichloropropene	U		0.142	0.500	1	04/17/2023 17:41	WG2043269	
1,3-Dichloropropane	U		0.109	1.00	1	04/17/2023 17:41	WG2043269	
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/17/2023 17:41	WG2043269	
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/17/2023 17:41	WG2043269	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/17/2023 17:41	WG2043269	
2,2-Dichloropropane	U	UJ	0.161	0.500	1	04/17/2023 17:41	WG2043269	
Di-isopropyl ether	U		0.105	0.500	1	04/17/2023 17:41	WG2043269	
Ethylbenzene	U		0.137	0.500	1	04/17/2023 17:41	WG2043269	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/17/2023 17:41	WG2043269	
2-Hexanone	U		0.787	5.00	1	04/17/2023 17:41	WG2043269	
n-Hexane	U		0.749	5.00	1	04/17/2023 17:41	WG2043269	
Iodomethane	U	UJ	0.554	5.00	1	04/17/2023 17:41	WG2043269	
Isopropylbenzene	U		0.105	0.500	1	04/17/2023 17:41	WG2043269	
p-Isopropyltoluene	U		0.120	0.500	1	04/17/2023 17:41	WG2043269	
2-Butanone (MEK)	U		1.19	5.00	1	04/17/2023 17:41	WG2043269	

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	04/17/2023 17:41	WG2043269
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/17/2023 17:41	WG2043269
Methyl tert-butyl ether	U		0.101	0.500	1	04/17/2023 17:41	WG2043269
Naphthalene	U	UJ C3	0.174	2.50	1	04/17/2023 17:41	WG2043269
n-Propylbenzene	U		0.0993	0.500	1	04/17/2023 17:41	WG2043269
Styrene	U		0.118	0.500	1	04/17/2023 17:41	WG2043269
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/17/2023 17:41	WG2043269
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/17/2023 17:41	WG2043269
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/17/2023 17:41	WG2043269
Tetrachloroethene	U		0.300	0.500	1	04/17/2023 17:41	WG2043269
Toluene	U		0.278	0.500	1	04/17/2023 17:41	WG2043269
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2023 17:41	WG2043269
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/17/2023 17:41	WG2043269
1,1,1-Trichloroethane	U		0.149	0.500	1	04/17/2023 17:41	WG2043269
1,1,2-Trichloroethane	U		0.158	0.500	1	04/17/2023 17:41	WG2043269
Trichloroethene	U		0.190	0.500	1	04/17/2023 17:41	WG2043269
Trichlorofluoromethane	U		0.160	2.50	1	04/17/2023 17:41	WG2043269
1,2,3-Trichloropropane	U		0.237	2.50	1	04/17/2023 17:41	WG2043269
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/17/2023 17:41	WG2043269
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/17/2023 17:41	WG2043269
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/17/2023 17:41	WG2043269
Vinyl acetate	U	UJ	0.692	5.00	1	04/17/2023 17:41	WG2043269
Vinyl chloride	U	UJ	0.234	0.500	1	04/17/2023 17:41	WG2043269
Xylenes, Total	U		0.174	1.50	1	04/17/2023 17:41	WG2043269
(S) Toluene-d8	*105*			*80.0-120*		*04/17/2023 17:41*	WG2043269
(S) 4-Bromofluorobenzene	*93.9*			*77.0-126*		*04/17/2023 17:41*	WG2043269
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*04/17/2023 17:41*	WG2043269

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	04/20/2023 00:42	WG2043355
Atrazine	U	UJ	0.255	10.0	1	04/20/2023 00:42	WG2043355
Benzaldehyde	U	UJ C3	1.69	10.0	1	04/20/2023 00:42	WG2043355
Biphenyl	U	UJ J4	0.790	10.0	1	04/20/2023 00:42	WG2043355
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/20/2023 00:42	WG2043355
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/20/2023 00:42	WG2043355
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/20/2023 00:42	WG2043355
4-Bromophenyl-phenylether	U	UJ J4	0.0877	10.0	1	04/20/2023 00:42	WG2043355
Caprolactam	U	UJ	0.309	10.0	1	04/20/2023 00:42	WG2043355
Carbazole	U	UJ J4	0.111	10.0	1	04/20/2023 00:42	WG2043355
4-Chloroaniline	U		0.234	5.00	1	04/20/2023 00:42	WG2043355
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/20/2023 00:42	WG2043355
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/20/2023 00:42	WG2043355
2,4-Dinitrotoluene	U	UJ	0.0983	5.00	1	04/20/2023 00:42	WG2043355
2,6-Dinitrotoluene	U	UJ J4	0.250	5.00	1	04/20/2023 00:42	WG2043355
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/20/2023 00:42	WG2043355
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/20/2023 00:42	WG2043355
Hexachloroethane	U		0.127	5.00	1	04/20/2023 00:42	WG2043355
Isophorone	U		0.143	10.0	1	04/20/2023 00:42	WG2043355
2-Nitroaniline	U		0.102	10.0	1	04/20/2023 00:42	WG2043355
3-Nitroaniline	U		0.0869	5.00	1	04/20/2023 00:42	WG2043355
4-Nitroaniline	U		0.0910	5.00	1	04/20/2023 00:42	WG2043355
Nitrobenzene	U		0.297	10.0	1	04/20/2023 00:42	WG2043355
n-Nitrosodiphenylamine	U	UJ J4	2.37	10.0	1	04/20/2023 00:42	WG2043355
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/20/2023 00:42	WG2043355

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	04/20/2023 00:42	WG2043355	
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	04/20/2023 00:42	WG2043355	
Di-n-butyl phthalate	U		0.453	3.00	1	04/20/2023 00:42	WG2043355	
Diethyl phthalate	U		0.287	3.00	1	04/20/2023 00:42	WG2043355	
Dimethyl phthalate	U		0.260	3.00	1	04/20/2023 00:42	WG2043355	
Di-n-octyl phthalate	U	UJ	0.932	3.00	1	04/20/2023 00:42	WG2043355	
1,2,4,5-Tetrachlorobenzene	U	UJ	0.0647	10.0	1	04/20/2023 00:42	WG2043355	
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/20/2023 00:42	WG2043355	
2-Chlorophenol	U		0.133	1.00	1	04/20/2023 00:42	WG2043355	
2-Methylphenol	U		0.0929	1.00	1	04/20/2023 00:42	WG2043355	
3&4-Methyl Phenol	U		0.168	1.00	1	04/20/2023 00:42	WG2043355	
2,4-Dichlorophenol	U		0.102	5.00	1	04/20/2023 00:42	WG2043355	
2,4-Dimethylphenol	U		0.0636	10.0	1	04/20/2023 00:42	WG2043355	
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	04/20/2023 00:42	WG2043355	
2,4-Dinitrophenol	U	UJ	5.93	10.0	1	04/20/2023 00:42	WG2043355	
2-Nitrophenol	U		0.117	10.0	1	04/20/2023 00:42	WG2043355	
~~4-Nitrophenol~~	~~U~~	~~J4~~	~~0.143~~	~~10.0~~	~~1~~	~~04/20/2023 00:42~~	~~WG2043355~~	R
Pentachlorophenol	U	UJ	0.313	1.00	1	04/20/2023 00:42	WG2043355	
Phenol	U		4.33	10.0	1	04/20/2023 00:42	WG2043355	
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/20/2023 00:42	WG2043355	
2,4,6-Trichlorophenol	U	UJ ~~J4~~	0.100	1.00	1	04/20/2023 00:42	WG2043355	
(S) 2-Fluorophenol	*17.9*			*10.0-120*		*04/20/2023 00:42*	WG2043355	
(S) Phenol-d5	*11.1*			*10.0-120*		*04/20/2023 00:42*	WG2043355	
(S) Nitrobenzene-d5	*33.1*			*10.0-127*		*04/20/2023 00:42*	WG2043355	
(S) 2-Fluorobiphenyl	*31.5*			*10.0-130*		*04/20/2023 00:42*	WG2043355	
(S) 2,4,6-Tribromophenol	*32.2*			*10.0-155*		*04/20/2023 00:42*	WG2043355	
(S) p-Terphenyl-d14	*41.4*			*10.0-128*		*04/20/2023 00:42*	WG2043355	

Sample Narrative:

L1605860-03 WG2043355: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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	04/18/2023 11:32	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 11:32	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 11:32	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 11:32	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 11:32	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 11:32	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 11:32	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 11:32	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 11:32	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 11:32	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 11:32	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 11:32	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 11:32	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 11:32	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 11:32	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 11:32	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 11:32	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 11:32	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 11:32	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 11:32	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 11:32	WG2043323
(S) Nitrobenzene-d5	*91.5*			*31.0-160*		*04/18/2023 11:32*	WG2043323

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	*97.5*			*48.0-148*		*04/18/2023 11:32*	WG2043323
(S) p-Terphenyl-d14	*98.5*			*37.0-146*		*04/18/2023 11:32*	WG2043323

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	04/20/2023 21:13	WG2043048

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	04/18/2023 14:37	WG2043131	
Acetone	U		11.3	25.0	1	04/17/2023 18:02	WG2043269	
Acrylonitrile	U		0.671	5.00	1	04/17/2023 18:02	WG2043269	
Benzene	U		0.0941	0.500	1	04/17/2023 18:02	WG2043269	
Bromobenzene	U		0.118	0.500	1	04/17/2023 18:02	WG2043269	
Bromodichloromethane	U		0.136	0.500	1	04/17/2023 18:02	WG2043269	
Bromochloromethane	U		0.128	0.500	1	04/17/2023 18:02	WG2043269	
Bromoform	U		0.129	0.500	1	04/17/2023 18:02	WG2043269	
Bromomethane	U	UJ	0.605	2.50	1	04/17/2023 18:02	WG2043269	
n-Butylbenzene	U		0.157	0.500	1	04/17/2023 18:02	WG2043269	
sec-Butylbenzene	U		0.125	0.500	1	04/17/2023 18:02	WG2043269	
tert-Butylbenzene	U		0.127	0.500	1	04/17/2023 18:02	WG2043269	
Carbon disulfide	1.11		0.0962	0.500	1	04/17/2023 18:02	WG2043269	
Carbon tetrachloride	U		0.128	0.500	1	04/17/2023 18:02	WG2043269	
Chlorobenzene	U		0.117	0.500	1	04/17/2023 18:02	WG2043269	
Chlorodibromomethane	U		0.140	0.500	1	04/17/2023 18:02	WG2043269	
Chloroethane	U	UJ	0.192	2.50	1	04/17/2023 18:02	WG2043269	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~04/17/2023 18:02~~	WG2043269	R
Chloroform	U		0.111	0.500	1	04/17/2023 18:02	WG2043269	
Chloromethane	U		0.960	1.25	1	04/17/2023 18:02	WG2043269	
2-Chlorotoluene	U		0.106	0.500	1	04/17/2023 18:02	WG2043269	
4-Chlorotoluene	U		0.114	0.500	1	04/17/2023 18:02	WG2043269	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/17/2023 18:02	WG2043269	
1,2-Dibromoethane	U		0.126	0.500	1	04/17/2023 18:02	WG2043269	
Dibromomethane	U		0.122	0.500	1	04/17/2023 18:02	WG2043269	
1,2-Dichlorobenzene	U		0.107	0.500	1	04/17/2023 18:02	WG2043269	
1,3-Dichlorobenzene	U		0.299	0.500	1	04/17/2023 18:02	WG2043269	
1,4-Dichlorobenzene	U		0.120	0.500	1	04/17/2023 18:02	WG2043269	
Dichlorodifluoromethane	U	UJ	0.374	2.50	1	04/17/2023 18:02	WG2043269	
1,1-Dichloroethane	U		0.100	0.500	1	04/17/2023 18:02	WG2043269	
1,2-Dichloroethane	U		0.0819	0.500	1	04/17/2023 18:02	WG2043269	
1,1-Dichloroethene	U		0.188	0.500	1	04/17/2023 18:02	WG2043269	
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/17/2023 18:02	WG2043269	
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/17/2023 18:02	WG2043269	
1,2-Dichloropropane	U		0.149	0.500	1	04/17/2023 18:02	WG2043269	
1,1-Dichloropropene	U		0.142	0.500	1	04/17/2023 18:02	WG2043269	
1,3-Dichloropropane	U		0.109	1.00	1	04/17/2023 18:02	WG2043269	
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/17/2023 18:02	WG2043269	
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/17/2023 18:02	WG2043269	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/17/2023 18:02	WG2043269	
2,2-Dichloropropane	U	UJ	0.161	0.500	1	04/17/2023 18:02	WG2043269	
Di-isopropyl ether	U		0.105	0.500	1	04/17/2023 18:02	WG2043269	
Ethylbenzene	U		0.137	0.500	1	04/17/2023 18:02	WG2043269	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/17/2023 18:02	WG2043269	
2-Hexanone	U		0.787	5.00	1	04/17/2023 18:02	WG2043269	
n-Hexane	U		0.749	5.00	1	04/17/2023 18:02	WG2043269	
Iodomethane	U	UJ	0.554	5.00	1	04/17/2023 18:02	WG2043269	
Isopropylbenzene	U		0.105	0.500	1	04/17/2023 18:02	WG2043269	
p-Isopropyltoluene	U		0.120	0.500	1	04/17/2023 18:02	WG2043269	
2-Butanone (MEK)	U		1.19	5.00	1	04/17/2023 18:02	WG2043269	

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	04/17/2023 18:02	WG2043269
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/17/2023 18:02	WG2043269
Methyl tert-butyl ether	U		0.101	0.500	1	04/17/2023 18:02	WG2043269
Naphthalene	U	UJ C3	0.174	2.50	1	04/17/2023 18:02	WG2043269
n-Propylbenzene	U		0.0993	0.500	1	04/17/2023 18:02	WG2043269
Styrene	U		0.118	0.500	1	04/17/2023 18:02	WG2043269
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/17/2023 18:02	WG2043269
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/17/2023 18:02	WG2043269
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/17/2023 18:02	WG2043269
Tetrachloroethene	U		0.300	0.500	1	04/17/2023 18:02	WG2043269
Toluene	U		0.278	0.500	1	04/17/2023 18:02	WG2043269
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/17/2023 18:02	WG2043269
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/17/2023 18:02	WG2043269
1,1,1-Trichloroethane	U		0.149	0.500	1	04/17/2023 18:02	WG2043269
1,1,2-Trichloroethane	U		0.158	0.500	1	04/17/2023 18:02	WG2043269
Trichloroethene	U		0.190	0.500	1	04/17/2023 18:02	WG2043269
Trichlorofluoromethane	U		0.160	2.50	1	04/17/2023 18:02	WG2043269
1,2,3-Trichloropropane	U		0.237	2.50	1	04/17/2023 18:02	WG2043269
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/17/2023 18:02	WG2043269
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/17/2023 18:02	WG2043269
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/17/2023 18:02	WG2043269
Vinyl acetate	U	UJ	0.692	5.00	1	04/17/2023 18:02	WG2043269
Vinyl chloride	U	UJ	0.234	0.500	1	04/17/2023 18:02	WG2043269
Xylenes, Total	U		0.174	1.50	1	04/17/2023 18:02	WG2043269
(S) Toluene-d8	*106*			*80.0-120*		*04/17/2023 18:02*	WG2043269
(S) 4-Bromofluorobenzene	*95.0*			*77.0-126*		*04/17/2023 18:02*	WG2043269
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*04/17/2023 18:02*	WG2043269

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	04/19/2023 20:46	WG2043676
Atrazine	U		0.255	10.0	1	04/19/2023 20:46	WG2043676
Benzaldehyde	U	J4	1.69	10.0	1	04/19/2023 20:46	WG2043676
Biphenyl	U		0.790	10.0	1	04/19/2023 20:46	WG2043676
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/19/2023 20:46	WG2043676
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/19/2023 20:46	WG2043676
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/19/2023 20:46	WG2043676
4-Bromophenyl-phenylether	U		0.0877	10.0	1	04/19/2023 20:46	WG2043676
Caprolactam	U		0.309	10.0	1	04/19/2023 20:46	WG2043676
Carbazole	U		0.111	10.0	1	04/19/2023 20:46	WG2043676
4-Chloroaniline	U		0.234	5.00	1	04/19/2023 20:46	WG2043676
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/19/2023 20:46	WG2043676
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/19/2023 20:46	WG2043676
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/19/2023 20:46	WG2043676
2,6-Dinitrotoluene	U		0.250	5.00	1	04/19/2023 20:46	WG2043676
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/19/2023 20:46	WG2043676
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/19/2023 20:46	WG2043676
Hexachloroethane	U		0.127	5.00	1	04/19/2023 20:46	WG2043676
Isophorone	U		0.143	10.0	1	04/19/2023 20:46	WG2043676
2-Nitroaniline	U	UJ	0.102	10.0	1	04/19/2023 20:46	WG2043676
3-Nitroaniline	U		0.0869	5.00	1	04/19/2023 20:46	WG2043676
4-Nitroaniline	U		0.0910	5.00	1	04/19/2023 20:46	WG2043676
Nitrobenzene	U		0.297	10.0	1	04/19/2023 20:46	WG2043676
n-Nitrosodiphenylamine	U		2.37	10.0	1	04/19/2023 20:46	WG2043676
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/19/2023 20:46	WG2043676

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 UJ	~~J4~~	0.765	3.00	1	04/19/2023 20:46	WG2043676
Bis(2-ethylhexyl)phthalate	U	~~J4~~	0.895	3.00	1	04/19/2023 20:46	WG2043676
Di-n-butyl phthalate	U		0.453	3.00	1	04/19/2023 20:46	WG2043676
Diethyl phthalate	U		0.287	3.00	1	04/19/2023 20:46	WG2043676
Dimethyl phthalate	U		0.260	3.00	1	04/19/2023 20:46	WG2043676
Di-n-octyl phthalate	U UJ	~~J4~~	0.932	3.00	1	04/19/2023 20:46	WG2043676
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/19/2023 20:46	WG2043676
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/19/2023 20:46	WG2043676
2-Chlorophenol	U		0.133	1.00	1	04/19/2023 20:46	WG2043676
2-Methylphenol	U		0.0929	1.00	1	04/19/2023 20:46	WG2043676
3&4-Methyl Phenol	U		0.168	1.00	1	04/19/2023 20:46	WG2043676
2,4-Dichlorophenol	U		0.102	5.00	1	04/19/2023 20:46	WG2043676
2,4-Dimethylphenol	U		0.0636	10.0	1	04/19/2023 20:46	WG2043676
4,6-Dinitro-2-methylphenol	U UJ		1.12	10.0	1	04/19/2023 20:46	WG2043676
2,4-Dinitrophenol	U UJ		5.93	10.0	1	04/19/2023 20:46	WG2043676
2-Nitrophenol	U UJ		0.117	10.0	1	04/19/2023 20:46	WG2043676
4-Nitrophenol	U		0.143	10.0	1	04/19/2023 20:46	WG2043676
Pentachlorophenol	U UJ		0.313	1.00	1	04/19/2023 20:46	WG2043676
Phenol	U		4.33	10.0	1	04/19/2023 20:46	WG2043676
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/19/2023 20:46	WG2043676
2,4,6-Trichlorophenol	U		0.100	1.00	1	04/19/2023 20:46	WG2043676
(S) 2-Fluorophenol	*34.2*			*10.0-120*		*04/19/2023 20:46*	WG2043676
(S) Phenol-d5	*19.0*			*10.0-120*		*04/19/2023 20:46*	WG2043676
(S) Nitrobenzene-d5	*61.7*			*10.0-127*		*04/19/2023 20:46*	WG2043676
(S) 2-Fluorobiphenyl	*66.1*			*10.0-130*		*04/19/2023 20:46*	WG2043676
(S) 2,4,6-Tribromophenol	*59.0*			*10.0-155*		*04/19/2023 20:46*	WG2043676
(S) p-Terphenyl-d14	*74.3*			*10.0-128*		*04/19/2023 20:46*	WG2043676

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	04/18/2023 11:49	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 11:49	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 11:49	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 11:49	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 11:49	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 11:49	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 11:49	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 11:49	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 11:49	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 11:49	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 11:49	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 11:49	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 11:49	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 11:49	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 11:49	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 11:49	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 11:49	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 11:49	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 11:49	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 11:49	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 11:49	WG2043323
(S) Nitrobenzene-d5	*92.0*			*31.0-160*		*04/18/2023 11:49*	WG2043323
(S) 2-Fluorobiphenyl	*98.5*			*48.0-148*		*04/18/2023 11:49*	WG2043323
(S) p-Terphenyl-d14	*98.5*			*37.0-146*		*04/18/2023 11:49*	WG2043323

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	04/20/2023 21:16	WG2043048

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	04/18/2023 15:01	WG2043131	
Acetone	U		11.3	25.0	1	04/18/2023 16:01	WG2043904	
Acrylonitrile	U		0.671	5.00	1	04/18/2023 16:01	WG2043904	
Benzene	U		0.0941	0.500	1	04/18/2023 16:01	WG2043904	
Bromobenzene	U		0.118	0.500	1	04/18/2023 16:01	WG2043904	
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 16:01	WG2043904	
Bromochloromethane	U		0.128	0.500	1	04/18/2023 16:01	WG2043904	
Bromoform	U		0.129	0.500	1	04/18/2023 16:01	WG2043904	
Bromomethane	U	UJ	0.605	2.50	1	04/18/2023 16:01	WG2043904	
n-Butylbenzene	U	UJ	0.157	0.500	1	04/18/2023 16:01	WG2043904	
sec-Butylbenzene	U	UJ	0.125	0.500	1	04/18/2023 16:01	WG2043904	
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 16:01	WG2043904	
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 16:01	WG2043904	
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 16:01	WG2043904	
Chlorobenzene	U		0.117	0.500	1	04/18/2023 16:01	WG2043904	
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 16:01	WG2043904	
Chloroethane	U	UJ	0.192	2.50	1	04/18/2023 16:01	WG2043904	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~04/18/2023 16:01~~	WG2043904	R
Chloroform	U		0.111	0.500	1	04/18/2023 16:01	WG2043904	
Chloromethane	U		0.960	1.25	1	04/18/2023 16:01	WG2043904	
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 16:01	WG2043904	
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 16:01	WG2043904	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 16:01	WG2043904	
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 16:01	WG2043904	
Dibromomethane	U		0.122	0.500	1	04/18/2023 16:01	WG2043904	
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 16:01	WG2043904	
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 16:01	WG2043904	
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 16:01	WG2043904	
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 16:01	WG2043904	
1,1-Dichloroethane	U		0.100	0.500	1	04/18/2023 16:01	WG2043904	
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 16:01	WG2043904	
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 16:01	WG2043904	
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/18/2023 16:01	WG2043904	
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 16:01	WG2043904	
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 16:01	WG2043904	
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 16:01	WG2043904	
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 16:01	WG2043904	
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 16:01	WG2043904	
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 16:01	WG2043904	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 16:01	WG2043904	
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 16:01	WG2043904	
Di-isopropyl ether	U		0.105	0.500	1	04/18/2023 16:01	WG2043904	
Ethylbenzene	U		0.137	0.500	1	04/18/2023 16:01	WG2043904	
Hexachloro-1,3-butadiene	U	UJ	0.337	1.00	1	04/18/2023 16:01	WG2043904	
2-Hexanone	U		0.787	5.00	1	04/18/2023 16:01	WG2043904	
n-Hexane	U		0.749	5.00	1	04/18/2023 16:01	WG2043904	
Iodomethane	U	UJ	0.554	5.00	1	04/18/2023 16:01	WG2043904	
Isopropylbenzene	U	UJ ~~J4~~	0.105	0.500	1	04/18/2023 16:01	WG2043904	
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 16:01	WG2043904	
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 16:01	WG2043904	

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	04/18/2023 16:01	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 16:01	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 16:01	WG2043904
Naphthalene	U	UJ C3	0.174	2.50	1	04/20/2023 22:03	WG2045669
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 16:01	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 16:01	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 16:01	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 16:01	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 16:01	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 16:01	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 16:01	WG2043904
1,2,3-Trichlorobenzene	U	UJ	0.164	0.500	1	04/18/2023 16:01	WG2043904
1,2,4-Trichlorobenzene	U	UJ	0.481	1.00	1	04/18/2023 16:01	WG2043904
1,1,1-Trichloroethane	U		0.149	0.500	1	04/18/2023 16:01	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 16:01	WG2043904
Trichloroethene	U		0.190	0.500	1	04/18/2023 16:01	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 16:01	WG2043904
1,2,3-Trichloropropane	U	UJ J3	0.237	2.50	1	04/18/2023 16:01	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/20/2023 22:03	WG2045669
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/20/2023 22:03	WG2045669
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/20/2023 22:03	WG2045669
Vinyl acetate	U	UJ	0.692	5.00	1	04/18/2023 16:01	WG2043904
Vinyl chloride	U	UJ J4	0.234	0.500	1	04/18/2023 16:01	WG2043904
Xylenes, Total	U		0.174	1.50	1	04/20/2023 22:03	WG2045669
(S) Toluene-d8	*101*			*80.0-120*		*04/18/2023 16:01*	WG2043904
(S) Toluene-d8	*107*			*80.0-120*		*04/20/2023 22:03*	WG2045669
(S) 4-Bromofluorobenzene	*89.1*			*77.0-126*		*04/18/2023 16:01*	WG2043904
(S) 4-Bromofluorobenzene	*95.1*			*77.0-126*		*04/20/2023 22:03*	WG2045669
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*04/18/2023 16:01*	WG2043904
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/20/2023 22:03*	WG2045669

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	0.193	B J	0.0447	0.400 UB	1	04/17/2023 13:45	WG2042500
(S) Nitrobenzene-d5	*59.0*			*10.0-120*		*04/17/2023 13:45*	WG2042500

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	04/19/2023 21:08	WG2043676
Atrazine	U		0.255	10.0	1	04/19/2023 21:08	WG2043676
Benzaldehyde	U	J4	1.69	10.0	1	04/19/2023 21:08	WG2043676
Biphenyl	U		0.790	10.0	1	04/19/2023 21:08	WG2043676
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/19/2023 21:08	WG2043676
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/19/2023 21:08	WG2043676
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/19/2023 21:08	WG2043676
4-Bromophenyl-phenylether	U		0.0877	10.0	1	04/19/2023 21:08	WG2043676
Caprolactam	U		0.309	10.0	1	04/19/2023 21:08	WG2043676
Carbazole	U		0.111	10.0	1	04/19/2023 21:08	WG2043676
4-Chloroaniline	U		0.234	5.00	1	04/19/2023 21:08	WG2043676
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/19/2023 21:08	WG2043676
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/19/2023 21:08	WG2043676
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/19/2023 21:08	WG2043676
2,6-Dinitrotoluene	U		0.250	5.00	1	04/19/2023 21:08	WG2043676

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
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/19/2023 21:08	WG2043676
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/19/2023 21:08	WG2043676
Hexachloroethane	U		0.127	5.00	1	04/19/2023 21:08	WG2043676
Isophorone	U		0.143	10.0	1	04/19/2023 21:08	WG2043676
2-Nitroaniline	U	UJ	0.102	10.0	1	04/19/2023 21:08	WG2043676
3-Nitroaniline	U		0.0869	5.00	1	04/19/2023 21:08	WG2043676
4-Nitroaniline	U		0.0910	5.00	1	04/19/2023 21:08	WG2043676
Nitrobenzene	U		0.297	10.0	1	04/19/2023 21:08	WG2043676
n-Nitrosodiphenylamine	U		2.37	10.0	1	04/19/2023 21:08	WG2043676
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/19/2023 21:08	WG2043676
Benzylbutyl phthalate	U	UJ J4	0.765	3.00	1	04/19/2023 21:08	WG2043676
Bis(2-ethylhexyl)phthalate	U	J4	0.895	3.00	1	04/19/2023 21:08	WG2043676
Di-n-butyl phthalate	U		0.453	3.00	1	04/19/2023 21:08	WG2043676
Diethyl phthalate	U		0.287	3.00	1	04/19/2023 21:08	WG2043676
Dimethyl phthalate	U		0.260	3.00	1	04/19/2023 21:08	WG2043676
Di-n-octyl phthalate	U	UJ J4	0.932	3.00	1	04/19/2023 21:08	WG2043676
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/19/2023 21:08	WG2043676
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/19/2023 21:08	WG2043676
2-Chlorophenol	U		0.133	1.00	1	04/19/2023 21:08	WG2043676
2-Methylphenol	U		0.0929	1.00	1	04/19/2023 21:08	WG2043676
3&4-Methyl Phenol	U		0.168	1.00	1	04/19/2023 21:08	WG2043676
2,4-Dichlorophenol	U		0.102	5.00	1	04/19/2023 21:08	WG2043676
2,4-Dimethylphenol	U		0.0636	10.0	1	04/19/2023 21:08	WG2043676
4,6-Dinitro-2-methylphenol	U	UJ	1.12	10.0	1	04/19/2023 21:08	WG2043676
2,4-Dinitrophenol	U	UJ	5.93	10.0	1	04/19/2023 21:08	WG2043676
2-Nitrophenol	U	UJ	0.117	10.0	1	04/19/2023 21:08	WG2043676
4-Nitrophenol	U		0.143	10.0	1	04/19/2023 21:08	WG2043676
Pentachlorophenol	U	UJ	0.313	1.00	1	04/19/2023 21:08	WG2043676
Phenol	U		4.33	10.0	1	04/19/2023 21:08	WG2043676
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/19/2023 21:08	WG2043676
2,4,6-Trichlorophenol	U		0.100	1.00	1	04/19/2023 21:08	WG2043676
(S) 2-Fluorophenol	*29.6*			*10.0-120*		*04/19/2023 21:08*	WG2043676
(S) Phenol-d5	*17.6*			*10.0-120*		*04/19/2023 21:08*	WG2043676
(S) Nitrobenzene-d5	*60.1*			*10.0-127*		*04/19/2023 21:08*	WG2043676
(S) 2-Fluorobiphenyl	*66.8*			*10.0-130*		*04/19/2023 21:08*	WG2043676
(S) 2,4,6-Tribromophenol	*57.4*			*10.0-155*		*04/19/2023 21:08*	WG2043676
(S) p-Terphenyl-d14	*60.6*			*10.0-128*		*04/19/2023 21:08*	WG2043676

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	04/18/2023 12:06	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 12:06	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 12:06	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 12:06	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 12:06	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 12:06	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 12:06	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 12:06	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 12:06	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 12:06	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 12:06	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 12:06	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 12:06	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 12:06	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 12:06	WG2043323

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	
Naphthalene	U		0.0917	0.250	1	04/18/2023 12:06	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 12:06	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 12:06	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 12:06	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 12:06	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 12:06	WG2043323
(S) Nitrobenzene-d5	*90.0*			*31.0-160*		*04/18/2023 12:06*	WG2043323
(S) 2-Fluorobiphenyl	*96.5*			*48.0-148*		*04/18/2023 12:06*	WG2043323
(S) p-Terphenyl-d14	*96.0*			*37.0-146*		*04/18/2023 12:06*	WG2043323

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	04/20/2023 21:26	WG2043048

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	04/18/2023 15:25	WG2043131	
Acetone	U		11.3	25.0	1	04/18/2023 16:23	WG2043904	
Acrylonitrile	U		0.671	5.00	1	04/18/2023 16:23	WG2043904	
Benzene	U		0.0941	0.500	1	04/18/2023 16:23	WG2043904	
Bromobenzene	U		0.118	0.500	1	04/18/2023 16:23	WG2043904	
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 16:23	WG2043904	
Bromochloromethane	U		0.128	0.500	1	04/18/2023 16:23	WG2043904	
Bromoform	U		0.129	0.500	1	04/18/2023 16:23	WG2043904	
Bromomethane	U	UJ	0.605	2.50	1	04/18/2023 16:23	WG2043904	
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 16:23	WG2043904	
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 16:23	WG2043904	
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 16:23	WG2043904	
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 16:23	WG2043904	
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 16:23	WG2043904	
Chlorobenzene	U		0.117	0.500	1	04/18/2023 16:23	WG2043904	
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 16:23	WG2043904	
Chloroethane	U	UJ	0.192	2.50	1	04/18/2023 16:23	WG2043904	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~04/18/2023 16:23~~	WG2043904	R
Chloroform	~~0.301~~	~~J~~	0.111	0.500	UB 1	04/18/2023 16:23	WG2043904	
Chloromethane	U		0.960	1.25	1	04/18/2023 16:23	WG2043904	
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 16:23	WG2043904	
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 16:23	WG2043904	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 16:23	WG2043904	
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 16:23	WG2043904	
Dibromomethane	U		0.122	0.500	1	04/18/2023 16:23	WG2043904	
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 16:23	WG2043904	
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 16:23	WG2043904	
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 16:23	WG2043904	
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 16:23	WG2043904	
1,1-Dichloroethane	0.138	J	0.100	0.500	1	04/18/2023 16:23	WG2043904	
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 16:23	WG2043904	
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 16:23	WG2043904	
cis-1,2-Dichloroethene	1.48		0.126	0.500	1	04/18/2023 16:23	WG2043904	
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 16:23	WG2043904	
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 16:23	WG2043904	
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 16:23	WG2043904	
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 16:23	WG2043904	
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 16:23	WG2043904	
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 16:23	WG2043904	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 16:23	WG2043904	
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 16:23	WG2043904	
Di-isopropyl ether	0.163	J	0.105	0.500	1	04/18/2023 16:23	WG2043904	
Ethylbenzene	U		0.137	0.500	1	04/18/2023 16:23	WG2043904	
Hexachloro-1,3-butadiene	2.03		0.337	1.00	1	04/18/2023 16:23	WG2043904	
2-Hexanone	U		0.787	5.00	1	04/18/2023 16:23	WG2043904	
n-Hexane	U		0.749	5.00	1	04/18/2023 16:23	WG2043904	
Iodomethane	U		0.554	5.00	1	04/18/2023 16:23	WG2043904	
Isopropylbenzene	U	UJ	0.105	0.500	1	04/18/2023 16:23	WG2043904	
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 16:23	WG2043904	
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 16:23	WG2043904	

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	04/18/2023 16:23	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 16:23	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 16:23	WG2043904
Naphthalene	U	UJ C3	0.174	2.50	1	04/18/2023 16:23	WG2043904
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 16:23	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 16:23	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 16:23	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 16:23	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 16:23	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 16:23	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 16:23	WG2043904
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2023 16:23	WG2043904
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2023 16:23	WG2043904
1,1,1-Trichloroethane	U		0.149	0.500	1	04/18/2023 16:23	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 16:23	WG2043904
Trichloroethene	8.56		0.190	0.500	1	04/18/2023 16:23	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 16:23	WG2043904
1,2,3-Trichloropropane	U	UJ J3	0.237	2.50	1	04/18/2023 16:23	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/18/2023 16:23	WG2043904
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 16:23	WG2043904
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 16:23	WG2043904
Vinyl acetate	U	UJ	0.692	5.00	1	04/18/2023 16:23	WG2043904
Vinyl chloride	U	UJ J4	0.234	0.500	1	04/18/2023 16:23	WG2043904
Xylenes, Total	0.484	J	0.174	1.50	1	04/18/2023 16:23	WG2043904
(S) Toluene-d8	*101*			*80.0-120*		*04/18/2023 16:23*	WG2043904
(S) 4-Bromofluorobenzene	*92.6*			*77.0-126*		*04/18/2023 16:23*	WG2043904
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/18/2023 16:23*	WG2043904

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	6.35		0.0447	0.400	1	04/17/2023 11:29	WG2042500
(S) Nitrobenzene-d5	*55.4*			*10.0-120*		*04/17/2023 11:29*	WG2042500

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	04/19/2023 21:29	WG2043676
Atrazine	U		0.255	10.0	1	04/19/2023 21:29	WG2043676
Benzaldehyde	U	J4	1.69	10.0	1	04/19/2023 21:29	WG2043676
Biphenyl	U		0.790	10.0	1	04/19/2023 21:29	WG2043676
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/19/2023 21:29	WG2043676
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/19/2023 21:29	WG2043676
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/19/2023 21:29	WG2043676
4-Bromophenyl-phenylether	U		0.0877	10.0	1	04/19/2023 21:29	WG2043676
Caprolactam	U		0.309	10.0	1	04/19/2023 21:29	WG2043676
Carbazole	U		0.111	10.0	1	04/19/2023 21:29	WG2043676
4-Chloroaniline	U		0.234	5.00	1	04/19/2023 21:29	WG2043676
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/19/2023 21:29	WG2043676
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/19/2023 21:29	WG2043676
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/19/2023 21:29	WG2043676
2,6-Dinitrotoluene	U		0.250	5.00	1	04/19/2023 21:29	WG2043676
Hexachloro-1,3-butadiene	0.866	J	0.0968	10.0	1	04/19/2023 21:29	WG2043676
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/19/2023 21:29	WG2043676
Hexachloroethane	U		0.127	5.00	1	04/19/2023 21:29	WG2043676

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	04/19/2023 21:29	WG2043676
2-Nitroaniline	U	UJ	0.102	10.0	1	04/19/2023 21:29	WG2043676
3-Nitroaniline	U		0.0869	5.00	1	04/19/2023 21:29	WG2043676
4-Nitroaniline	U		0.0910	5.00	1	04/19/2023 21:29	WG2043676
Nitrobenzene	U		0.297	10.0	1	04/19/2023 21:29	WG2043676
n-Nitrosodiphenylamine	U		2.37	10.0	1	04/19/2023 21:29	WG2043676
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/19/2023 21:29	WG2043676
Benzylbutyl phthalate	U	UJ J4	0.765	3.00	1	04/19/2023 21:29	WG2043676
Bis(2-ethylhexyl)phthalate	U	J4	0.895	3.00	1	04/19/2023 21:29	WG2043676
Di-n-butyl phthalate	U		0.453	3.00	1	04/19/2023 21:29	WG2043676
Diethyl phthalate	U		0.287	3.00	1	04/19/2023 21:29	WG2043676
Dimethyl phthalate	U		0.260	3.00	1	04/19/2023 21:29	WG2043676
Di-n-octyl phthalate	U	UJ J4	0.932	3.00	1	04/19/2023 21:29	WG2043676
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/19/2023 21:29	WG2043676
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/19/2023 21:29	WG2043676
2-Chlorophenol	U		0.133	1.00	1	04/19/2023 21:29	WG2043676
2-Methylphenol	U		0.0929	1.00	1	04/19/2023 21:29	WG2043676
3&4-Methyl Phenol	U		0.168	1.00	1	04/19/2023 21:29	WG2043676
2,4-Dichlorophenol	U		0.102	5.00	1	04/19/2023 21:29	WG2043676
2,4-Dimethylphenol	U		0.0636	10.0	1	04/19/2023 21:29	WG2043676
4,6-Dinitro-2-methylphenol	U	UJ	1.12	10.0	1	04/19/2023 21:29	WG2043676
2,4-Dinitrophenol	U	UJ	5.93	10.0	1	04/19/2023 21:29	WG2043676
2-Nitrophenol	U	UJ	0.117	10.0	1	04/19/2023 21:29	WG2043676
4-Nitrophenol	U		0.143	10.0	1	04/19/2023 21:29	WG2043676
Pentachlorophenol	U	UJ	0.313	1.00	1	04/19/2023 21:29	WG2043676
Phenol	U		4.33	10.0	1	04/19/2023 21:29	WG2043676
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/19/2023 21:29	WG2043676
2,4,6-Trichlorophenol	U		0.100	1.00	1	04/19/2023 21:29	WG2043676
(S) 2-Fluorophenol	*27.6*			*10.0-120*		*04/19/2023 21:29*	WG2043676
(S) Phenol-d5	*17.8*			*10.0-120*		*04/19/2023 21:29*	WG2043676
(S) Nitrobenzene-d5	*65.5*			*10.0-127*		*04/19/2023 21:29*	WG2043676
(S) 2-Fluorobiphenyl	*67.7*			*10.0-130*		*04/19/2023 21:29*	WG2043676
(S) 2,4,6-Tribromophenol	*40.7*			*10.0-155*		*04/19/2023 21:29*	WG2043676
(S) p-Terphenyl-d14	*49.9*			*10.0-128*		*04/19/2023 21:29*	WG2043676

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	04/18/2023 12:24	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 12:24	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 12:24	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 12:24	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 12:24	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 12:24	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 12:24	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 12:24	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 12:24	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 12:24	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 12:24	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 12:24	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 12:24	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 12:24	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 12:24	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 12:24	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 12:24	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 12:24	WG2043323

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	04/18/2023 12:24	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 12:24	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 12:24	WG2043323
(S) Nitrobenzene-d5	*90.0*			*31.0-160*		*04/18/2023 12:24*	WG2043323
(S) 2-Fluorobiphenyl	*95.5*			*48.0-148*		*04/18/2023 12:24*	WG2043323
(S) p-Terphenyl-d14	*96.5*			*37.0-146*		*04/18/2023 12:24*	WG2043323

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	04/20/2023 21:29	WG2043048

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	04/18/2023 15:49	WG2043131	
Acetone	U		11.3	25.0	1	04/18/2023 16:45	WG2043904	
Acrylonitrile	U		0.671	5.00	1	04/18/2023 16:45	WG2043904	
Benzene	U		0.0941	0.500	1	04/18/2023 16:45	WG2043904	
Bromobenzene	U		0.118	0.500	1	04/18/2023 16:45	WG2043904	
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 16:45	WG2043904	
Bromochloromethane	U		0.128	0.500	1	04/18/2023 16:45	WG2043904	
Bromoform	U		0.129	0.500	1	04/18/2023 16:45	WG2043904	
Bromomethane	U	UJ	0.605	2.50	1	04/18/2023 16:45	WG2043904	
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 16:45	WG2043904	
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 16:45	WG2043904	
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 16:45	WG2043904	
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 16:45	WG2043904	
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 16:45	WG2043904	
Chlorobenzene	U		0.117	0.500	1	04/18/2023 16:45	WG2043904	
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 16:45	WG2043904	
Chloroethane	U	UJ	0.192	2.50	1	04/18/2023 16:45	WG2043904	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~04/18/2023 16:45~~	WG2043904	R
Chloroform	U		0.111	0.500	1	04/18/2023 16:45	WG2043904	
Chloromethane	U		0.960	1.25	1	04/18/2023 16:45	WG2043904	
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 16:45	WG2043904	
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 16:45	WG2043904	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 16:45	WG2043904	
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 16:45	WG2043904	
Dibromomethane	U		0.122	0.500	1	04/18/2023 16:45	WG2043904	
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 16:45	WG2043904	
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 16:45	WG2043904	
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 16:45	WG2043904	
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 16:45	WG2043904	
1,1-Dichloroethane	U		0.100	0.500	1	04/18/2023 16:45	WG2043904	
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 16:45	WG2043904	
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 16:45	WG2043904	
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/18/2023 16:45	WG2043904	
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 16:45	WG2043904	
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 16:45	WG2043904	
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 16:45	WG2043904	
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 16:45	WG2043904	
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 16:45	WG2043904	
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 16:45	WG2043904	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 16:45	WG2043904	
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 16:45	WG2043904	
Di-isopropyl ether	U		0.105	0.500	1	04/18/2023 16:45	WG2043904	
Ethylbenzene	U		0.137	0.500	1	04/18/2023 16:45	WG2043904	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/18/2023 16:45	WG2043904	
2-Hexanone	U		0.787	5.00	1	04/18/2023 16:45	WG2043904	
n-Hexane	U		0.749	5.00	1	04/18/2023 16:45	WG2043904	
Iodomethane	U		0.554	5.00	1	04/18/2023 16:45	WG2043904	
Isopropylbenzene	U	UJ	J4	0.105	0.500	1	04/18/2023 16:45	WG2043904	
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 16:45	WG2043904	
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 16:45	WG2043904	

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	04/18/2023 16:45	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 16:45	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 16:45	WG2043904
Naphthalene	U	UJ ~~C3~~	0.174	2.50	1	04/18/2023 16:45	WG2043904
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 16:45	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 16:45	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 16:45	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 16:45	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 16:45	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 16:45	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 16:45	WG2043904
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2023 16:45	WG2043904
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2023 16:45	WG2043904
1,1,1-Trichloroethane	0.156	J	0.149	0.500	1	04/18/2023 16:45	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 16:45	WG2043904
Trichloroethene	U		0.190	0.500	1	04/18/2023 16:45	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 16:45	WG2043904
1,2,3-Trichloropropane	U	UJ ~~J3~~	0.237	2.50	1	04/18/2023 16:45	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/18/2023 16:45	WG2043904
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 16:45	WG2043904
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 16:45	WG2043904
Vinyl acetate	U	UJ	0.692	5.00	1	04/18/2023 16:45	WG2043904
Vinyl chloride	U	UJ ~~J4~~	0.234	0.500	1	04/18/2023 16:45	WG2043904
Xylenes, Total	0.205	J	0.174	1.50	1	04/18/2023 16:45	WG2043904
(S) Toluene-d8	*98.6*			*80.0-120*		*04/18/2023 16:45*	WG2043904
(S) 4-Bromofluorobenzene	*88.4*			*77.0-126*		*04/18/2023 16:45*	WG2043904
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/18/2023 16:45*	WG2043904

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	04/19/2023 21:51	WG2043676
Atrazine	U		0.255	10.0	1	04/19/2023 21:51	WG2043676
Benzaldehyde	U	~~J4~~	1.69	10.0	1	04/19/2023 21:51	WG2043676
Biphenyl	U		0.790	10.0	1	04/19/2023 21:51	WG2043676
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/19/2023 21:51	WG2043676
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/19/2023 21:51	WG2043676
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/19/2023 21:51	WG2043676
4-Bromophenyl-phenylether	U		0.0877	10.0	1	04/19/2023 21:51	WG2043676
Caprolactam	U		0.309	10.0	1	04/19/2023 21:51	WG2043676
Carbazole	U		0.111	10.0	1	04/19/2023 21:51	WG2043676
4-Chloroaniline	U		0.234	5.00	1	04/19/2023 21:51	WG2043676
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/19/2023 21:51	WG2043676
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/19/2023 21:51	WG2043676
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/19/2023 21:51	WG2043676
2,6-Dinitrotoluene	U		0.250	5.00	1	04/19/2023 21:51	WG2043676
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/19/2023 21:51	WG2043676
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/19/2023 21:51	WG2043676
Hexachloroethane	U		0.127	5.00	1	04/19/2023 21:51	WG2043676
Isophorone	U		0.143	10.0	1	04/19/2023 21:51	WG2043676
2-Nitroaniline	U	UJ	0.102	10.0	1	04/19/2023 21:51	WG2043676
3-Nitroaniline	U		0.0869	5.00	1	04/19/2023 21:51	WG2043676
4-Nitroaniline	U		0.0910	5.00	1	04/19/2023 21:51	WG2043676
Nitrobenzene	U		0.297	10.0	1	04/19/2023 21:51	WG2043676
n-Nitrosodiphenylamine	U		2.37	10.0	1	04/19/2023 21:51	WG2043676
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/19/2023 21:51	WG2043676

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 UJ	~~J4~~	0.765	3.00	1	04/19/2023 21:51	WG2043676
Bis(2-ethylhexyl)phthalate	U	~~J4~~	0.895	3.00	1	04/19/2023 21:51	WG2043676
Di-n-butyl phthalate	U		0.453	3.00	1	04/19/2023 21:51	WG2043676
Diethyl phthalate	U		0.287	3.00	1	04/19/2023 21:51	WG2043676
Dimethyl phthalate	U		0.260	3.00	1	04/19/2023 21:51	WG2043676
Di-n-octyl phthalate	U UJ	~~J4~~	0.932	3.00	1	04/19/2023 21:51	WG2043676
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/19/2023 21:51	WG2043676
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/19/2023 21:51	WG2043676
2-Chlorophenol	U		0.133	1.00	1	04/19/2023 21:51	WG2043676
2-Methylphenol	U		0.0929	1.00	1	04/19/2023 21:51	WG2043676
3&4-Methyl Phenol	U		0.168	1.00	1	04/19/2023 21:51	WG2043676
2,4-Dichlorophenol	U		0.102	5.00	1	04/19/2023 21:51	WG2043676
2,4-Dimethylphenol	U		0.0636	10.0	1	04/19/2023 21:51	WG2043676
4,6-Dinitro-2-methylphenol	U UJ		1.12	10.0	1	04/19/2023 21:51	WG2043676
2,4-Dinitrophenol	U UJ		5.93	10.0	1	04/19/2023 21:51	WG2043676
2-Nitrophenol	U UJ		0.117	10.0	1	04/19/2023 21:51	WG2043676
4-Nitrophenol	U		0.143	10.0	1	04/19/2023 21:51	WG2043676
Pentachlorophenol	U UJ		0.313	1.00	1	04/19/2023 21:51	WG2043676
Phenol	U		4.33	10.0	1	04/19/2023 21:51	WG2043676
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/19/2023 21:51	WG2043676
2,4,6-Trichlorophenol	U		0.100	1.00	1	04/19/2023 21:51	WG2043676
(S) 2-Fluorophenol	*33.9*			*10.0-120*		*04/19/2023 21:51*	WG2043676
(S) Phenol-d5	*19.6*			*10.0-120*		*04/19/2023 21:51*	WG2043676
(S) Nitrobenzene-d5	*73.7*			*10.0-127*		*04/19/2023 21:51*	WG2043676
(S) 2-Fluorobiphenyl	*79.5*			*10.0-130*		*04/19/2023 21:51*	WG2043676
(S) 2,4,6-Tribromophenol	*65.4*			*10.0-155*		*04/19/2023 21:51*	WG2043676
(S) p-Terphenyl-d14	*81.1*			*10.0-128*		*04/19/2023 21:51*	WG2043676

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	04/18/2023 12:41	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 12:41	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 12:41	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 12:41	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 12:41	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 12:41	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 12:41	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 12:41	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 12:41	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 12:41	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 12:41	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 12:41	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 12:41	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 12:41	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 12:41	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 12:41	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 12:41	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 12:41	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 12:41	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 12:41	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 12:41	WG2043323
(S) Nitrobenzene-d5	*92.0*			*31.0-160*		*04/18/2023 12:41*	WG2043323
(S) 2-Fluorobiphenyl	*100*			*48.0-148*		*04/18/2023 12:41*	WG2043323
(S) p-Terphenyl-d14	*101*			*37.0-146*		*04/18/2023 12:41*	WG2043323

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	04/20/2023 21:33	WG2043048

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	04/18/2023 16:13	WG2043131
Acetone	U		11.3	25.0	1	04/18/2023 17:06	WG2043904
Acrylonitrile	U		0.671	5.00	1	04/18/2023 17:06	WG2043904
Benzene	U		0.0941	0.500	1	04/18/2023 17:06	WG2043904
Bromobenzene	U		0.118	0.500	1	04/18/2023 17:06	WG2043904
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 17:06	WG2043904
Bromochloromethane	U		0.128	0.500	1	04/18/2023 17:06	WG2043904
Bromoform	U		0.129	0.500	1	04/18/2023 17:06	WG2043904
Bromomethane	U UJ		0.605	2.50	1	04/18/2023 17:06	WG2043904
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 17:06	WG2043904
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 17:06	WG2043904
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 17:06	WG2043904
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 17:06	WG2043904
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 17:06	WG2043904
Chlorobenzene	U		0.117	0.500	1	04/18/2023 17:06	WG2043904
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 17:06	WG2043904
Chloroethane	U UJ		0.192	2.50	1	04/18/2023 17:06	WG2043904
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~04/18/2023 17:06~~	WG2043904 R
Chloroform	~~0.118~~	~~J~~	0.111	0.500 UB	1	04/18/2023 17:06	WG2043904
Chloromethane	U		0.960	1.25	1	04/18/2023 17:06	WG2043904
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 17:06	WG2043904
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 17:06	WG2043904
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 17:06	WG2043904
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 17:06	WG2043904
Dibromomethane	U		0.122	0.500	1	04/18/2023 17:06	WG2043904
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 17:06	WG2043904
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 17:06	WG2043904
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 17:06	WG2043904
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 17:06	WG2043904
1,1-Dichloroethane	U		0.100	0.500	1	04/18/2023 17:06	WG2043904
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 17:06	WG2043904
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 17:06	WG2043904
cis-1,2-Dichloroethene	2.03		0.126	0.500	1	04/18/2023 17:06	WG2043904
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 17:06	WG2043904
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 17:06	WG2043904
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 17:06	WG2043904
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 17:06	WG2043904
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 17:06	WG2043904
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 17:06	WG2043904
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 17:06	WG2043904
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 17:06	WG2043904
Di-isopropyl ether	U		0.105	0.500	1	04/18/2023 17:06	WG2043904
Ethylbenzene	U		0.137	0.500	1	04/18/2023 17:06	WG2043904
Hexachloro-1,3-butadiene	1.03		0.337	1.00	1	04/18/2023 17:06	WG2043904
2-Hexanone	U		0.787	5.00	1	04/18/2023 17:06	WG2043904
n-Hexane	U		0.749	5.00	1	04/18/2023 17:06	WG2043904
Iodomethane	U		0.554	5.00	1	04/18/2023 17:06	WG2043904
Isopropylbenzene	U UJ	~~J4~~	0.105	0.500	1	04/18/2023 17:06	WG2043904
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 17:06	WG2043904
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 17:06	WG2043904

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	04/18/2023 17:06	WG2043904
4-Methyl-2-pentanone (MIBK)	U			0.478	5.00	1	04/18/2023 17:06	WG2043904
Methyl tert-butyl ether	U			0.101	0.500	1	04/18/2023 17:06	WG2043904
Naphthalene	U	UJ	~~C3~~	0.174	2.50	1	04/18/2023 17:06	WG2043904
n-Propylbenzene	U			0.0993	0.500	1	04/18/2023 17:06	WG2043904
Styrene	U			0.118	0.500	1	04/18/2023 17:06	WG2043904
1,1,1,2-Tetrachloroethane	U			0.147	0.500	1	04/18/2023 17:06	WG2043904
1,1,2,2-Tetrachloroethane	U			0.133	0.500	1	04/18/2023 17:06	WG2043904
1,1,2-Trichlorotrifluoroethane	U			0.180	0.500	1	04/18/2023 17:06	WG2043904
Tetrachloroethene	U			0.300	0.500	1	04/18/2023 17:06	WG2043904
Toluene	U			0.278	0.500	1	04/18/2023 17:06	WG2043904
1,2,3-Trichlorobenzene	U			0.164	0.500	1	04/18/2023 17:06	WG2043904
1,2,4-Trichlorobenzene	U			0.481	1.00	1	04/18/2023 17:06	WG2043904
1,1,1-Trichloroethane	U			0.149	0.500	1	04/18/2023 17:06	WG2043904
1,1,2-Trichloroethane	U			0.158	0.500	1	04/18/2023 17:06	WG2043904
Trichloroethene	5.55			0.190	0.500	1	04/18/2023 17:06	WG2043904
Trichlorofluoromethane	U			0.160	2.50	1	04/18/2023 17:06	WG2043904
1,2,3-Trichloropropane	U	UJ	~~J3~~	0.237	2.50	1	04/18/2023 17:06	WG2043904
1,2,4-Trimethylbenzene	U			0.322	0.500	1	04/18/2023 17:06	WG2043904
1,2,3-Trimethylbenzene	U			0.104	0.500	1	04/18/2023 17:06	WG2043904
1,3,5-Trimethylbenzene	U			0.104	0.500	1	04/18/2023 17:06	WG2043904
Vinyl acetate	U	UJ		0.692	5.00	1	04/18/2023 17:06	WG2043904
Vinyl chloride	U	UJ	~~J4~~	0.234	0.500	1	04/18/2023 17:06	WG2043904
Xylenes, Total	U			0.174	1.50	1	04/18/2023 17:06	WG2043904
(S) Toluene-d8	*101*				*80.0-120*		*04/18/2023 17:06*	WG2043904
(S) 4-Bromofluorobenzene	*88.3*				*77.0-126*		*04/18/2023 17:06*	WG2043904
(S) 1,2-Dichloroethane-d4	*103*				*70.0-130*		*04/18/2023 17:06*	WG2043904

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		0.231	11.1	1.11	04/19/2023 22:13	WG2043676
Atrazine	U		0.283	11.1	1.11	04/19/2023 22:13	WG2043676
Benzaldehyde	U	~~J4~~	1.88	11.1	1.11	04/19/2023 22:13	WG2043676
Biphenyl	U		0.877	11.1	1.11	04/19/2023 22:13	WG2043676
Bis(2-chlorethoxy)methane	U		0.129	5.55	1.11	04/19/2023 22:13	WG2043676
Bis(2-chloroethyl)ether	U		0.152	1.11	1.11	04/19/2023 22:13	WG2043676
2,2-Oxybis(1-Chloropropane)	U		0.233	5.55	1.11	04/19/2023 22:13	WG2043676
4-Bromophenyl-phenylether	U		0.0973	11.1	1.11	04/19/2023 22:13	WG2043676
Caprolactam	U		0.343	11.1	1.11	04/19/2023 22:13	WG2043676
Carbazole	U		0.123	11.1	1.11	04/19/2023 22:13	WG2043676
4-Chloroaniline	U		0.260	5.55	1.11	04/19/2023 22:13	WG2043676
4-Chlorophenyl-phenylether	U		0.103	11.1	1.11	04/19/2023 22:13	WG2043676
3,3-Dichlorobenzidine	U		0.235	11.1	1.11	04/19/2023 22:13	WG2043676
2,4-Dinitrotoluene	U		0.109	5.55	1.11	04/19/2023 22:13	WG2043676
2,6-Dinitrotoluene	U		0.278	5.55	1.11	04/19/2023 22:13	WG2043676
Hexachloro-1,3-butadiene	0.562	J	0.107	11.1	1.11	04/19/2023 22:13	WG2043676
Hexachlorocyclopentadiene	U		0.0664	5.55	1.11	04/19/2023 22:13	WG2043676
Hexachloroethane	U		0.141	5.55	1.11	04/19/2023 22:13	WG2043676
Isophorone	U		0.159	11.1	1.11	04/19/2023 22:13	WG2043676
2-Nitroaniline	U	UJ	0.113	11.1	1.11	04/19/2023 22:13	WG2043676
3-Nitroaniline	U		0.0965	5.55	1.11	04/19/2023 22:13	WG2043676
4-Nitroaniline	U		0.101	5.55	1.11	04/19/2023 22:13	WG2043676
Nitrobenzene	U		0.330	11.1	1.11	04/19/2023 22:13	WG2043676
n-Nitrosodiphenylamine	U		2.63	11.1	1.11	04/19/2023 22:13	WG2043676
n-Nitrosodi-n-propylamine	U		0.290	11.1	1.11	04/19/2023 22:13	WG2043676

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 UJ	~~J4~~	0.849	3.33	1.11	04/19/2023 22:13	WG2043676
Bis(2-ethylhexyl)phthalate	U	~~J4~~	0.993	3.33	1.11	04/19/2023 22:13	WG2043676
Di-n-butyl phthalate	U		0.503	3.33	1.11	04/19/2023 22:13	WG2043676
Diethyl phthalate	U		0.319	3.33	1.11	04/19/2023 22:13	WG2043676
Dimethyl phthalate	U		0.289	3.33	1.11	04/19/2023 22:13	WG2043676
Di-n-octyl phthalate	U UJ	~~J4~~	1.03	3.33	1.11	04/19/2023 22:13	WG2043676
1,2,4,5-Tetrachlorobenzene	U		0.0718	11.1	1.11	04/19/2023 22:13	WG2043676
4-Chloro-3-methylphenol	U		0.145	1.11	1.11	04/19/2023 22:13	WG2043676
2-Chlorophenol	U		0.148	1.11	1.11	04/19/2023 22:13	WG2043676
2-Methylphenol	U		0.103	1.11	1.11	04/19/2023 22:13	WG2043676
3&4-Methyl Phenol	U		0.186	1.11	1.11	04/19/2023 22:13	WG2043676
2,4-Dichlorophenol	U		0.113	5.55	1.11	04/19/2023 22:13	WG2043676
2,4-Dimethylphenol	U		0.0706	11.1	1.11	04/19/2023 22:13	WG2043676
4,6-Dinitro-2-methylphenol	U UJ		1.24	11.1	1.11	04/19/2023 22:13	WG2043676
2,4-Dinitrophenol	U UJ		6.58	11.1	1.11	04/19/2023 22:13	WG2043676
2-Nitrophenol	U UJ		0.130	11.1	1.11	04/19/2023 22:13	WG2043676
4-Nitrophenol	U		0.159	11.1	1.11	04/19/2023 22:13	WG2043676
Pentachlorophenol	U UJ		0.347	1.11	1.11	04/19/2023 22:13	WG2043676
Phenol	U		4.81	11.1	1.11	04/19/2023 22:13	WG2043676
2,4,5-Trichlorophenol	U		0.121	1.11	1.11	04/19/2023 22:13	WG2043676
2,4,6-Trichlorophenol	U		0.111	1.11	1.11	04/19/2023 22:13	WG2043676
(S) 2-Fluorophenol	*34.4*			*10.0-120*		*04/19/2023 22:13*	WG2043676
(S) Phenol-d5	*19.9*			*10.0-120*		*04/19/2023 22:13*	WG2043676
(S) Nitrobenzene-d5	*69.9*			*10.0-127*		*04/19/2023 22:13*	WG2043676
(S) 2-Fluorobiphenyl	*76.0*			*10.0-130*		*04/19/2023 22:13*	WG2043676
(S) 2,4,6-Tribromophenol	*62.6*			*10.0-155*		*04/19/2023 22:13*	WG2043676
(S) p-Terphenyl-d14	*68.6*			*10.0-128*		*04/19/2023 22:13*	WG2043676

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	04/18/2023 10:40	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 10:40	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 10:40	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 10:40	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 10:40	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 10:40	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 10:40	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 10:40	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 10:40	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 10:40	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 10:40	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 10:40	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 10:40	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 10:40	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 10:40	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 10:40	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 10:40	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 10:40	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 10:40	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 10:40	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 10:40	WG2043323
(S) Nitrobenzene-d5	*63.0*			*31.0-160*		*04/18/2023 10:40*	WG2043323
(S) 2-Fluorobiphenyl	*103*			*48.0-148*		*04/18/2023 10:40*	WG2043323
(S) p-Terphenyl-d14	*99.5*			*37.0-146*		*04/18/2023 10:40*	WG2043323

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	04/20/2023 21:36	WG2043048

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	04/18/2023 16:37	WG2043131	
Acetone	U		11.3	25.0	1	04/18/2023 17:28	WG2043904	
Acrylonitrile	U		0.671	5.00	1	04/18/2023 17:28	WG2043904	
Benzene	U		0.0941	0.500	1	04/18/2023 17:28	WG2043904	
Bromobenzene	U		0.118	0.500	1	04/18/2023 17:28	WG2043904	
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 17:28	WG2043904	
Bromochloromethane	U		0.128	0.500	1	04/18/2023 17:28	WG2043904	
Bromoform	U		0.129	0.500	1	04/18/2023 17:28	WG2043904	
Bromomethane	U	UJ	0.605	2.50	1	04/18/2023 17:28	WG2043904	
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 17:28	WG2043904	
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 17:28	WG2043904	
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 17:28	WG2043904	
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 17:28	WG2043904	
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 17:28	WG2043904	
Chlorobenzene	U		0.117	0.500	1	04/18/2023 17:28	WG2043904	
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 17:28	WG2043904	
Chloroethane	U	UJ	0.192	2.50	1	04/18/2023 17:28	WG2043904	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~04/18/2023 17:28~~	WG2043904	R
Chloroform	U		0.111	0.500	1	04/18/2023 17:28	WG2043904	
Chloromethane	U		0.960	1.25	1	04/18/2023 17:28	WG2043904	
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 17:28	WG2043904	
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 17:28	WG2043904	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 17:28	WG2043904	
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 17:28	WG2043904	
Dibromomethane	U		0.122	0.500	1	04/18/2023 17:28	WG2043904	
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 17:28	WG2043904	
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 17:28	WG2043904	
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 17:28	WG2043904	
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 17:28	WG2043904	
1,1-Dichloroethane	U		0.100	0.500	1	04/18/2023 17:28	WG2043904	
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 17:28	WG2043904	
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 17:28	WG2043904	
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/18/2023 17:28	WG2043904	
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 17:28	WG2043904	
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 17:28	WG2043904	
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 17:28	WG2043904	
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 17:28	WG2043904	
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 17:28	WG2043904	
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 17:28	WG2043904	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 17:28	WG2043904	
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 17:28	WG2043904	
Di-isopropyl ether	U		0.105	0.500	1	04/18/2023 17:28	WG2043904	
Ethylbenzene	U		0.137	0.500	1	04/18/2023 17:28	WG2043904	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/18/2023 17:28	WG2043904	
2-Hexanone	U		0.787	5.00	1	04/18/2023 17:28	WG2043904	
n-Hexane	U		0.749	5.00	1	04/18/2023 17:28	WG2043904	
Iodomethane	U		0.554	5.00	1	04/18/2023 17:28	WG2043904	
Isopropylbenzene	U	UJ	J4	0.105	0.500	1	04/18/2023 17:28	WG2043904	
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 17:28	WG2043904	
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 17:28	WG2043904	

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	04/18/2023 17:28	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 17:28	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 17:28	WG2043904
Naphthalene	U	UJ C3	0.174	2.50	1	04/18/2023 17:28	WG2043904
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 17:28	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 17:28	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 17:28	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 17:28	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 17:28	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 17:28	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 17:28	WG2043904
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2023 17:28	WG2043904
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2023 17:28	WG2043904
1,1,1-Trichloroethane	U		0.149	0.500	1	04/18/2023 17:28	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 17:28	WG2043904
Trichloroethene	U		0.190	0.500	1	04/18/2023 17:28	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 17:28	WG2043904
1,2,3-Trichloropropane	U	UJ J3	0.237	2.50	1	04/18/2023 17:28	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/18/2023 17:28	WG2043904
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 17:28	WG2043904
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 17:28	WG2043904
Vinyl acetate	U	UJ	0.692	5.00	1	04/18/2023 17:28	WG2043904
Vinyl chloride	U	UJ J4	0.234	0.500	1	04/18/2023 17:28	WG2043904
Xylenes, Total	U		0.174	1.50	1	04/18/2023 17:28	WG2043904
(S) Toluene-d8	*100*			*80.0-120*		*04/18/2023 17:28*	WG2043904
(S) 4-Bromofluorobenzene	*88.8*			*77.0-126*		*04/18/2023 17:28*	WG2043904
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*04/18/2023 17:28*	WG2043904

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	04/19/2023 22:34	WG2043676
Atrazine	U		0.255	10.0	1	04/19/2023 22:34	WG2043676
Benzaldehyde	U	J4	1.69	10.0	1	04/19/2023 22:34	WG2043676
Biphenyl	U		0.790	10.0	1	04/19/2023 22:34	WG2043676
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/19/2023 22:34	WG2043676
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/19/2023 22:34	WG2043676
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/19/2023 22:34	WG2043676
4-Bromophenyl-phenylether	U		0.0877	10.0	1	04/19/2023 22:34	WG2043676
Caprolactam	U		0.309	10.0	1	04/19/2023 22:34	WG2043676
Carbazole	U		0.111	10.0	1	04/19/2023 22:34	WG2043676
4-Chloroaniline	U		0.234	5.00	1	04/19/2023 22:34	WG2043676
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/19/2023 22:34	WG2043676
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/19/2023 22:34	WG2043676
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/19/2023 22:34	WG2043676
2,6-Dinitrotoluene	U		0.250	5.00	1	04/19/2023 22:34	WG2043676
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/19/2023 22:34	WG2043676
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/19/2023 22:34	WG2043676
Hexachloroethane	U		0.127	5.00	1	04/19/2023 22:34	WG2043676
Isophorone	U		0.143	10.0	1	04/19/2023 22:34	WG2043676
2-Nitroaniline	U	UJ	0.102	10.0	1	04/19/2023 22:34	WG2043676
3-Nitroaniline	U		0.0869	5.00	1	04/19/2023 22:34	WG2043676
4-Nitroaniline	U		0.0910	5.00	1	04/19/2023 22:34	WG2043676
Nitrobenzene	U		0.297	10.0	1	04/19/2023 22:34	WG2043676
n-Nitrosodiphenylamine	U		2.37	10.0	1	04/19/2023 22:34	WG2043676
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/19/2023 22:34	WG2043676

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 UJ	J4	0.765	3.00	1	04/19/2023 22:34	WG2043676
Bis(2-ethylhexyl)phthalate	U	J4	0.895	3.00	1	04/19/2023 22:34	WG2043676
Di-n-butyl phthalate	U		0.453	3.00	1	04/19/2023 22:34	WG2043676
Diethyl phthalate	U		0.287	3.00	1	04/19/2023 22:34	WG2043676
Dimethyl phthalate	U		0.260	3.00	1	04/19/2023 22:34	WG2043676
Di-n-octyl phthalate	U UJ	J4	0.932	3.00	1	04/19/2023 22:34	WG2043676
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/19/2023 22:34	WG2043676
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/19/2023 22:34	WG2043676
2-Chlorophenol	U		0.133	1.00	1	04/19/2023 22:34	WG2043676
2-Methylphenol	U		0.0929	1.00	1	04/19/2023 22:34	WG2043676
3&4-Methyl Phenol	U		0.168	1.00	1	04/19/2023 22:34	WG2043676
2,4-Dichlorophenol	U		0.102	5.00	1	04/19/2023 22:34	WG2043676
2,4-Dimethylphenol	U		0.0636	10.0	1	04/19/2023 22:34	WG2043676
4,6-Dinitro-2-methylphenol	U UJ		1.12	10.0	1	04/19/2023 22:34	WG2043676
2,4-Dinitrophenol	U UJ		5.93	10.0	1	04/19/2023 22:34	WG2043676
2-Nitrophenol	U UJ		0.117	10.0	1	04/19/2023 22:34	WG2043676
4-Nitrophenol	U		0.143	10.0	1	04/19/2023 22:34	WG2043676
Pentachlorophenol	U UJ		0.313	1.00	1	04/19/2023 22:34	WG2043676
Phenol	U		4.33	10.0	1	04/19/2023 22:34	WG2043676
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/19/2023 22:34	WG2043676
2,4,6-Trichlorophenol	U		0.100	1.00	1	04/19/2023 22:34	WG2043676
(S) 2-Fluorophenol	*23.9*			*10.0-120*		*04/19/2023 22:34*	WG2043676
(S) Phenol-d5	*15.9*			*10.0-120*		*04/19/2023 22:34*	WG2043676
(S) Nitrobenzene-d5	*57.4*			*10.0-127*		*04/19/2023 22:34*	WG2043676
(S) 2-Fluorobiphenyl	*67.8*			*10.0-130*		*04/19/2023 22:34*	WG2043676
(S) 2,4,6-Tribromophenol	*44.9*			*10.0-155*		*04/19/2023 22:34*	WG2043676
(S) p-Terphenyl-d14	*62.5*			*10.0-128*		*04/19/2023 22:34*	WG2043676

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	04/18/2023 11:00	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 11:00	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 11:00	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 11:00	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 11:00	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 11:00	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 11:00	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 11:00	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 11:00	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 11:00	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 11:00	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 11:00	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 11:00	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 11:00	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 11:00	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 11:00	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 11:00	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 11:00	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 11:00	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 11:00	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 11:00	WG2043323
(S) Nitrobenzene-d5	*81.5*			*31.0-160*		*04/18/2023 11:00*	WG2043323
(S) 2-Fluorobiphenyl	*111*			*48.0-148*		*04/18/2023 11:00*	WG2043323
(S) p-Terphenyl-d14	*108*			*37.0-146*		*04/18/2023 11:00*	WG2043323

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	04/20/2023 21:39	WG2043048

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	04/18/2023 17:01	WG2043131	
Acetone	U		11.3	25.0	1	04/18/2023 17:49	WG2043904	
Acrylonitrile	U		0.671	5.00	1	04/18/2023 17:49	WG2043904	
Benzene	U		0.0941	0.500	1	04/18/2023 17:49	WG2043904	
Bromobenzene	U		0.118	0.500	1	04/18/2023 17:49	WG2043904	
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 17:49	WG2043904	
Bromochloromethane	U		0.128	0.500	1	04/18/2023 17:49	WG2043904	
Bromoform	U		0.129	0.500	1	04/18/2023 17:49	WG2043904	
Bromomethane	U	UJ	0.605	2.50	1	04/18/2023 17:49	WG2043904	
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 17:49	WG2043904	
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 17:49	WG2043904	
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 17:49	WG2043904	
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 17:49	WG2043904	
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 17:49	WG2043904	
Chlorobenzene	U		0.117	0.500	1	04/18/2023 17:49	WG2043904	
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 17:49	WG2043904	
Chloroethane	U	UJ	0.192	2.50	1	04/18/2023 17:49	WG2043904	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~04/18/2023 17:49~~	WG2043904	R
Chloroform	U		0.111	0.500	1	04/18/2023 17:49	WG2043904	
Chloromethane	U		0.960	1.25	1	04/18/2023 17:49	WG2043904	
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 17:49	WG2043904	
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 17:49	WG2043904	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 17:49	WG2043904	
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 17:49	WG2043904	
Dibromomethane	U		0.122	0.500	1	04/18/2023 17:49	WG2043904	
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 17:49	WG2043904	
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 17:49	WG2043904	
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 17:49	WG2043904	
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 17:49	WG2043904	
1,1-Dichloroethane	0.197	J	0.100	0.500	1	04/18/2023 17:49	WG2043904	
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 17:49	WG2043904	
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 17:49	WG2043904	
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/18/2023 17:49	WG2043904	
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 17:49	WG2043904	
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 17:49	WG2043904	
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 17:49	WG2043904	
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 17:49	WG2043904	
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 17:49	WG2043904	
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 17:49	WG2043904	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 17:49	WG2043904	
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 17:49	WG2043904	
Di-isopropyl ether	U		0.105	0.500	1	04/18/2023 17:49	WG2043904	
Ethylbenzene	U		0.137	0.500	1	04/18/2023 17:49	WG2043904	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/18/2023 17:49	WG2043904	
2-Hexanone	U		0.787	5.00	1	04/18/2023 17:49	WG2043904	
n-Hexane	U		0.749	5.00	1	04/18/2023 17:49	WG2043904	
Iodomethane	U		0.554	5.00	1	04/18/2023 17:49	WG2043904	
Isopropylbenzene	U	UJ	0.105	0.500	1	04/18/2023 17:49	WG2043904	
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 17:49	WG2043904	
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 17:49	WG2043904	

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	04/18/2023 17:49	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 17:49	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 17:49	WG2043904
Naphthalene	U	UJ C3	0.174	2.50	1	04/18/2023 17:49	WG2043904
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 17:49	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 17:49	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 17:49	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 17:49	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 17:49	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 17:49	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 17:49	WG2043904
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2023 17:49	WG2043904
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2023 17:49	WG2043904
1,1,1-Trichloroethane	U		0.149	0.500	1	04/18/2023 17:49	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 17:49	WG2043904
Trichloroethene	U		0.190	0.500	1	04/18/2023 17:49	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 17:49	WG2043904
1,2,3-Trichloropropane	U	UJ J3	0.237	2.50	1	04/18/2023 17:49	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/18/2023 17:49	WG2043904
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 17:49	WG2043904
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 17:49	WG2043904
Vinyl acetate	U	UJ	0.692	5.00	1	04/18/2023 17:49	WG2043904
Vinyl chloride	U	UJ J4	0.234	0.500	1	04/18/2023 17:49	WG2043904
Xylenes, Total	U		0.174	1.50	1	04/18/2023 17:49	WG2043904
(S) Toluene-d8	*100*			*80.0-120*		*04/18/2023 17:49*	WG2043904
(S) 4-Bromofluorobenzene	*88.3*			*77.0-126*		*04/18/2023 17:49*	WG2043904
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*04/18/2023 17:49*	WG2043904

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	04/20/2023 01:03	WG2043355
Atrazine	U	UJ	0.255	10.0	1	04/20/2023 01:03	WG2043355
Benzaldehyde	U	UJ C3	1.69	10.0	1	04/20/2023 01:03	WG2043355
Biphenyl	U	UJ J4	0.790	10.0	1	04/20/2023 01:03	WG2043355
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/20/2023 01:03	WG2043355
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/20/2023 01:03	WG2043355
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/20/2023 01:03	WG2043355
4-Bromophenyl-phenylether	U	UJ J4	0.0877	10.0	1	04/20/2023 01:03	WG2043355
Caprolactam	U	UJ	0.309	10.0	1	04/20/2023 01:03	WG2043355
Carbazole	U	UJ J4	0.111	10.0	1	04/20/2023 01:03	WG2043355
4-Chloroaniline	U		0.234	5.00	1	04/20/2023 01:03	WG2043355
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/20/2023 01:03	WG2043355
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/20/2023 01:03	WG2043355
2,4-Dinitrotoluene	U	UJ	0.0983	5.00	1	04/20/2023 01:03	WG2043355
2,6-Dinitrotoluene	U	UJ J4	0.250	5.00	1	04/20/2023 01:03	WG2043355
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/20/2023 01:03	WG2043355
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/20/2023 01:03	WG2043355
Hexachloroethane	U		0.127	5.00	1	04/20/2023 01:03	WG2043355
Isophorone	U		0.143	10.0	1	04/20/2023 01:03	WG2043355
2-Nitroaniline	U	UJ	0.102	10.0	1	04/20/2023 01:03	WG2043355
3-Nitroaniline	U		0.0869	5.00	1	04/20/2023 01:03	WG2043355
4-Nitroaniline	U		0.0910	5.00	1	04/20/2023 01:03	WG2043355
Nitrobenzene	U		0.297	10.0	1	04/20/2023 01:03	WG2043355
n-Nitrosodiphenylamine	U	UJ J4	2.37	10.0	1	04/20/2023 01:03	WG2043355
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/20/2023 01:03	WG2043355

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 UJ		0.765	3.00	1	04/20/2023 01:03	WG2043355	
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	04/20/2023 01:03	WG2043355	
Di-n-butyl phthalate	U		0.453	3.00	1	04/20/2023 01:03	WG2043355	
Diethyl phthalate	U		0.287	3.00	1	04/20/2023 01:03	WG2043355	
Dimethyl phthalate	U		0.260	3.00	1	04/20/2023 01:03	WG2043355	
Di-n-octyl phthalate	U UJ		0.932	3.00	1	04/20/2023 01:03	WG2043355	
1,2,4,5-Tetrachlorobenzene	U UJ		0.0647	10.0	1	04/20/2023 01:03	WG2043355	
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/20/2023 01:03	WG2043355	
2-Chlorophenol	U		0.133	1.00	1	04/20/2023 01:03	WG2043355	
2-Methylphenol	U		0.0929	1.00	1	04/20/2023 01:03	WG2043355	
3&4-Methyl Phenol	U		0.168	1.00	1	04/20/2023 01:03	WG2043355	
2,4-Dichlorophenol	U		0.102	5.00	1	04/20/2023 01:03	WG2043355	
2,4-Dimethylphenol	U		0.0636	10.0	1	04/20/2023 01:03	WG2043355	
4,6-Dinitro-2-methylphenol	U UJ		1.12	10.0	1	04/20/2023 01:03	WG2043355	
2,4-Dinitrophenol	U UJ		5.93	10.0	1	04/20/2023 01:03	WG2043355	
2-Nitrophenol	U UJ		0.117	10.0	1	04/20/2023 01:03	WG2043355	
~~4-Nitrophenol~~	~~U~~	~~J4~~	~~0.143~~	~~10.0~~	~~1~~	~~04/20/2023 01:03~~	~~WG2043355~~	R
Pentachlorophenol	U UJ		0.313	1.00	1	04/20/2023 01:03	WG2043355	
Phenol	U		4.33	10.0	1	04/20/2023 01:03	WG2043355	
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/20/2023 01:03	WG2043355	
2,4,6-Trichlorophenol	U UJ	~~J4~~	0.100	1.00	1	04/20/2023 01:03	WG2043355	
(S) 2-Fluorophenol	*18.6*			*10.0-120*		*04/20/2023 01:03*	WG2043355	
(S) Phenol-d5	*12.3*			*10.0-120*		*04/20/2023 01:03*	WG2043355	
(S) Nitrobenzene-d5	*33.1*			*10.0-127*		*04/20/2023 01:03*	WG2043355	
(S) 2-Fluorobiphenyl	*32.1*			*10.0-130*		*04/20/2023 01:03*	WG2043355	
(S) 2,4,6-Tribromophenol	*32.9*			*10.0-155*		*04/20/2023 01:03*	WG2043355	
(S) p-Terphenyl-d14	*42.1*			*10.0-128*		*04/20/2023 01:03*	WG2043355	

Sample Narrative:

L1605860-11 WG2043355: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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	04/18/2023 11:20	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 11:20	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 11:20	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 11:20	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 11:20	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 11:20	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 11:20	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 11:20	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 11:20	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 11:20	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 11:20	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 11:20	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 11:20	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 11:20	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 11:20	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 11:20	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 11:20	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 11:20	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 11:20	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 11:20	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 11:20	WG2043323
(S) Nitrobenzene-d5	*67.5*			*31.0-160*		*04/18/2023 11:20*	WG2043323

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	*119*			*48.0-148*		*04/18/2023 11:20*	WG2043323
(S) p-Terphenyl-d14	*107*			*37.0-146*		*04/18/2023 11:20*	WG2043323

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	04/20/2023 21:43	WG2043048

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	04/18/2023 17:25	WG2043131	
Acetone	U		11.3	25.0	1	04/18/2023 13:09	WG2043904	
Acrylonitrile	U		0.671	5.00	1	04/18/2023 13:09	WG2043904	
Benzene	U		0.0941	0.500	1	04/18/2023 13:09	WG2043904	
Bromobenzene	U		0.118	0.500	1	04/18/2023 13:09	WG2043904	
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 13:09	WG2043904	
Bromochloromethane	U		0.128	0.500	1	04/18/2023 13:09	WG2043904	
Bromoform	U		0.129	0.500	1	04/18/2023 13:09	WG2043904	
Bromomethane	U	UJ	0.605	2.50	1	04/18/2023 13:09	WG2043904	
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 13:09	WG2043904	
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 13:09	WG2043904	
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 13:09	WG2043904	
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 13:09	WG2043904	
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 13:09	WG2043904	
Chlorobenzene	U		0.117	0.500	1	04/18/2023 13:09	WG2043904	
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 13:09	WG2043904	
Chloroethane	U	UJ	0.192	2.50	1	04/18/2023 13:09	WG2043904	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~04/18/2023 13:09~~	~~WG2043904~~	R
Chloroform	1.64		0.111	0.500	1	04/18/2023 13:09	WG2043904	
Chloromethane	U		0.960	1.25	1	04/18/2023 13:09	WG2043904	
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 13:09	WG2043904	
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 13:09	WG2043904	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 13:09	WG2043904	
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 13:09	WG2043904	
Dibromomethane	U		0.122	0.500	1	04/18/2023 13:09	WG2043904	
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 13:09	WG2043904	
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 13:09	WG2043904	
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 13:09	WG2043904	
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 13:09	WG2043904	
1,1-Dichloroethane	U		0.100	0.500	1	04/18/2023 13:09	WG2043904	
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 13:09	WG2043904	
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 13:09	WG2043904	
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/18/2023 13:09	WG2043904	
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 13:09	WG2043904	
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 13:09	WG2043904	
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 13:09	WG2043904	
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 13:09	WG2043904	
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 13:09	WG2043904	
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 13:09	WG2043904	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 13:09	WG2043904	
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 13:09	WG2043904	
Di-isopropyl ether	U		0.105	0.500	1	04/18/2023 13:09	WG2043904	
Ethylbenzene	U		0.137	0.500	1	04/18/2023 13:09	WG2043904	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/18/2023 13:09	WG2043904	
2-Hexanone	U		0.787	5.00	1	04/18/2023 13:09	WG2043904	
n-Hexane	U		0.749	5.00	1	04/18/2023 13:09	WG2043904	
Iodomethane	U		0.554	5.00	1	04/18/2023 13:09	WG2043904	
Isopropylbenzene	U	UJ	~~J4~~ 0.105	0.500	1	04/18/2023 13:09	WG2043904	
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 13:09	WG2043904	
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 13:09	WG2043904	

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	04/18/2023 13:09	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 13:09	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 13:09	WG2043904
Naphthalene	U	UJ C3	0.174	2.50	1	04/18/2023 13:09	WG2043904
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 13:09	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 13:09	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 13:09	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 13:09	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 13:09	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 13:09	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 13:09	WG2043904
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2023 13:09	WG2043904
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2023 13:09	WG2043904
1,1,1-Trichloroethane	U		0.149	0.500	1	04/18/2023 13:09	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 13:09	WG2043904
Trichloroethene	U		0.190	0.500	1	04/18/2023 13:09	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 13:09	WG2043904
1,2,3-Trichloropropane	U	UJ J3	0.237	2.50	1	04/18/2023 13:09	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/18/2023 13:09	WG2043904
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 13:09	WG2043904
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 13:09	WG2043904
Vinyl acetate	U	UJ	0.692	5.00	1	04/18/2023 13:09	WG2043904
Vinyl chloride	U	UJ J4	0.234	0.500	1	04/18/2023 13:09	WG2043904
Xylenes, Total	U		0.174	1.50	1	04/18/2023 13:09	WG2043904
(S) Toluene-d8	*102*			*80.0-120*		*04/18/2023 13:09*	WG2043904
(S) 4-Bromofluorobenzene	*93.1*			*77.0-126*		*04/18/2023 13:09*	WG2043904
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*04/18/2023 13:09*	WG2043904

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	04/20/2023 01:24	WG2043355
Atrazine	U	UJ	0.255	10.0	1	04/20/2023 01:24	WG2043355
Benzaldehyde	U	UJ C3	1.69	10.0	1	04/20/2023 01:24	WG2043355
Biphenyl	U	UJ J4	0.790	10.0	1	04/20/2023 01:24	WG2043355
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/20/2023 01:24	WG2043355
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/20/2023 01:24	WG2043355
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/20/2023 01:24	WG2043355
4-Bromophenyl-phenylether	U	UJ J4	0.0877	10.0	1	04/20/2023 01:24	WG2043355
Caprolactam	U	UJ	0.309	10.0	1	04/20/2023 01:24	WG2043355
Carbazole	U	UJ J4	0.111	10.0	1	04/20/2023 01:24	WG2043355
4-Chloroaniline	U		0.234	5.00	1	04/20/2023 01:24	WG2043355
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/20/2023 01:24	WG2043355
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/20/2023 01:24	WG2043355
2,4-Dinitrotoluene	U	UJ	0.0983	5.00	1	04/20/2023 01:24	WG2043355
2,6-Dinitrotoluene	U	UJ J4	0.250	5.00	1	04/20/2023 01:24	WG2043355
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/20/2023 01:24	WG2043355
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/20/2023 01:24	WG2043355
Hexachloroethane	U		0.127	5.00	1	04/20/2023 01:24	WG2043355
Isophorone	U		0.143	10.0	1	04/20/2023 01:24	WG2043355
2-Nitroaniline	U	UJ	0.102	10.0	1	04/20/2023 01:24	WG2043355
3-Nitroaniline	U		0.0869	5.00	1	04/20/2023 01:24	WG2043355
4-Nitroaniline	U		0.0910	5.00	1	04/20/2023 01:24	WG2043355
Nitrobenzene	U		0.297	10.0	1	04/20/2023 01:24	WG2043355
n-Nitrosodiphenylamine	U	UJ J4	2.37	10.0	1	04/20/2023 01:24	WG2043355
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/20/2023 01:24	WG2043355

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	UJ	0.765	3.00	1	04/20/2023 01:24	WG2043355	
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	04/20/2023 01:24	WG2043355	
Di-n-butyl phthalate	U		0.453	3.00	1	04/20/2023 01:24	WG2043355	
Diethyl phthalate	U		0.287	3.00	1	04/20/2023 01:24	WG2043355	
Dimethyl phthalate	U		0.260	3.00	1	04/20/2023 01:24	WG2043355	
Di-n-octyl phthalate	U	UJ	0.932	3.00	1	04/20/2023 01:24	WG2043355	
1,2,4,5-Tetrachlorobenzene	U	UJ	0.0647	10.0	1	04/20/2023 01:24	WG2043355	
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/20/2023 01:24	WG2043355	
2-Chlorophenol	U		0.133	1.00	1	04/20/2023 01:24	WG2043355	
2-Methylphenol	U		0.0929	1.00	1	04/20/2023 01:24	WG2043355	
3&4-Methyl Phenol	U		0.168	1.00	1	04/20/2023 01:24	WG2043355	
2,4-Dichlorophenol	U		0.102	5.00	1	04/20/2023 01:24	WG2043355	
2,4-Dimethylphenol	U		0.0636	10.0	1	04/20/2023 01:24	WG2043355	
4,6-Dinitro-2-methylphenol	U	UJ	1.12	10.0	1	04/20/2023 01:24	WG2043355	
2,4-Dinitrophenol	U	UJ	5.93	10.0	1	04/20/2023 01:24	WG2043355	
2-Nitrophenol	U	UJ	0.117	10.0	1	04/20/2023 01:24	WG2043355	
~~4-Nitrophenol~~	~~U~~	~~J4~~	~~0.143~~	~~10.0~~	~~1~~	~~04/20/2023 01:24~~	~~WG2043355~~	R
Pentachlorophenol	U	UJ	0.313	1.00	1	04/20/2023 01:24	WG2043355	
Phenol	U		4.33	10.0	1	04/20/2023 01:24	WG2043355	
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/20/2023 01:24	WG2043355	
2,4,6-Trichlorophenol	U	UJ J4	0.100	1.00	1	04/20/2023 01:24	WG2043355	
(S) 2-Fluorophenol	*22.8*			*10.0-120*		*04/20/2023 01:24*	WG2043355	
(S) Phenol-d5	*16.3*			*10.0-120*		*04/20/2023 01:24*	WG2043355	
(S) Nitrobenzene-d5	*35.2*			*10.0-127*		*04/20/2023 01:24*	WG2043355	
(S) 2-Fluorobiphenyl	*40.3*			*10.0-130*		*04/20/2023 01:24*	WG2043355	
(S) 2,4,6-Tribromophenol	*40.8*			*10.0-155*		*04/20/2023 01:24*	WG2043355	
(S) p-Terphenyl-d14	*51.1*			*10.0-128*		*04/20/2023 01:24*	WG2043355	

Sample Narrative:

L1605860-12 WG2043355: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

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	04/18/2023 11:39	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 11:39	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 11:39	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 11:39	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 11:39	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 11:39	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 11:39	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 11:39	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 11:39	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 11:39	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 11:39	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 11:39	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 11:39	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 11:39	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 11:39	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 11:39	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 11:39	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 11:39	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 11:39	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 11:39	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 11:39	WG2043323
(S) Nitrobenzene-d5	*73.5*			*31.0-160*		*04/18/2023 11:39*	WG2043323

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	*100*			*48.0-148*		*04/18/2023 11:39*	WG2043323
(S) p-Terphenyl-d14	*123*			*37.0-146*		*04/18/2023 11:39*	WG2043323

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	04/20/2023 21:46	WG2043048

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	04/18/2023 17:48	WG2043131	
Acetone	U		11.3	25.0	1	04/18/2023 13:31	WG2043904	
Acrylonitrile	U		0.671	5.00	1	04/18/2023 13:31	WG2043904	
Benzene	U		0.0941	0.500	1	04/18/2023 13:31	WG2043904	
Bromobenzene	U		0.118	0.500	1	04/18/2023 13:31	WG2043904	
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 13:31	WG2043904	
Bromochloromethane	U		0.128	0.500	1	04/18/2023 13:31	WG2043904	
Bromoform	U		0.129	0.500	1	04/18/2023 13:31	WG2043904	
Bromomethane	U	UJ	0.605	2.50	1	04/18/2023 13:31	WG2043904	
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 13:31	WG2043904	
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 13:31	WG2043904	
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 13:31	WG2043904	
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 13:31	WG2043904	
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 13:31	WG2043904	
Chlorobenzene	U		0.117	0.500	1	04/18/2023 13:31	WG2043904	
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 13:31	WG2043904	
Chloroethane	U	UJ	0.192	2.50	1	04/18/2023 13:31	WG2043904	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~04/18/2023 13:31~~	WG2043904	R
Chloroform	1.47		0.111	0.500	1	04/18/2023 13:31	WG2043904	
Chloromethane	U		0.960	1.25	1	04/18/2023 13:31	WG2043904	
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 13:31	WG2043904	
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 13:31	WG2043904	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 13:31	WG2043904	
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 13:31	WG2043904	
Dibromomethane	U		0.122	0.500	1	04/18/2023 13:31	WG2043904	
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 13:31	WG2043904	
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 13:31	WG2043904	
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 13:31	WG2043904	
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 13:31	WG2043904	
1,1-Dichloroethane	U		0.100	0.500	1	04/18/2023 13:31	WG2043904	
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 13:31	WG2043904	
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 13:31	WG2043904	
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/18/2023 13:31	WG2043904	
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 13:31	WG2043904	
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 13:31	WG2043904	
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 13:31	WG2043904	
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 13:31	WG2043904	
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 13:31	WG2043904	
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 13:31	WG2043904	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 13:31	WG2043904	
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 13:31	WG2043904	
Di-isopropyl ether	U		0.105	0.500	1	04/18/2023 13:31	WG2043904	
Ethylbenzene	U		0.137	0.500	1	04/18/2023 13:31	WG2043904	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/18/2023 13:31	WG2043904	
2-Hexanone	U		0.787	5.00	1	04/18/2023 13:31	WG2043904	
n-Hexane	U		0.749	5.00	1	04/18/2023 13:31	WG2043904	
Iodomethane	U		0.554	5.00	1	04/18/2023 13:31	WG2043904	
Isopropylbenzene	U	UJ	J4	0.105	0.500	1	04/18/2023 13:31	WG2043904	
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 13:31	WG2043904	
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 13:31	WG2043904	

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	04/18/2023 13:31	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 13:31	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 13:31	WG2043904
Naphthalene	U	UJ C3	0.174	2.50	1	04/18/2023 13:31	WG2043904
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 13:31	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 13:31	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 13:31	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 13:31	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 13:31	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 13:31	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 13:31	WG2043904
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2023 13:31	WG2043904
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2023 13:31	WG2043904
1,1,1-Trichloroethane	U		0.149	0.500	1	04/18/2023 13:31	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 13:31	WG2043904
Trichloroethene	U		0.190	0.500	1	04/18/2023 13:31	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 13:31	WG2043904
1,2,3-Trichloropropane	U	UJ J3	0.237	2.50	1	04/18/2023 13:31	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/18/2023 13:31	WG2043904
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 13:31	WG2043904
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 13:31	WG2043904
Vinyl acetate	U	UJ	0.692	5.00	1	04/18/2023 13:31	WG2043904
Vinyl chloride	U	UJ J4	0.234	0.500	1	04/18/2023 13:31	WG2043904
Xylenes, Total	U		0.174	1.50	1	04/18/2023 13:31	WG2043904
(S) Toluene-d8	*98.4*			*80.0-120*		*04/18/2023 13:31*	WG2043904
(S) 4-Bromofluorobenzene	*87.2*			*77.0-126*		*04/18/2023 13:31*	WG2043904
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*04/18/2023 13:31*	WG2043904

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	04/19/2023 18:36	WG2043676
Atrazine	U		0.255	10.0	1	04/19/2023 18:36	WG2043676
Benzaldehyde	U	J4	1.69	10.0	1	04/19/2023 18:36	WG2043676
Biphenyl	U		0.790	10.0	1	04/19/2023 18:36	WG2043676
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/19/2023 18:36	WG2043676
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/19/2023 18:36	WG2043676
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/19/2023 18:36	WG2043676
4-Bromophenyl-phenylether	U		0.0877	10.0	1	04/19/2023 18:36	WG2043676
Caprolactam	U		0.309	10.0	1	04/19/2023 18:36	WG2043676
Carbazole	U		0.111	10.0	1	04/19/2023 18:36	WG2043676
4-Chloroaniline	U		0.234	5.00	1	04/19/2023 18:36	WG2043676
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/19/2023 18:36	WG2043676
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/19/2023 18:36	WG2043676
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/19/2023 18:36	WG2043676
2,6-Dinitrotoluene	U		0.250	5.00	1	04/19/2023 18:36	WG2043676
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/19/2023 18:36	WG2043676
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/19/2023 18:36	WG2043676
Hexachloroethane	U		0.127	5.00	1	04/19/2023 18:36	WG2043676
Isophorone	U		0.143	10.0	1	04/19/2023 18:36	WG2043676
2-Nitroaniline	U	UJ	0.102	10.0	1	04/19/2023 18:36	WG2043676
3-Nitroaniline	U		0.0869	5.00	1	04/19/2023 18:36	WG2043676
4-Nitroaniline	U		0.0910	5.00	1	04/19/2023 18:36	WG2043676
Nitrobenzene	U		0.297	10.0	1	04/19/2023 18:36	WG2043676
n-Nitrosodiphenylamine	U		2.37	10.0	1	04/19/2023 18:36	WG2043676
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/19/2023 18:36	WG2043676

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 UJ	~~J4~~	0.765	3.00	1	04/19/2023 18:36	WG2043676
Bis(2-ethylhexyl)phthalate	U	~~J4~~	0.895	3.00	1	04/19/2023 18:36	WG2043676
Di-n-butyl phthalate	U		0.453	3.00	1	04/19/2023 18:36	WG2043676
Diethyl phthalate	U		0.287	3.00	1	04/19/2023 18:36	WG2043676
Dimethyl phthalate	U		0.260	3.00	1	04/19/2023 18:36	WG2043676
Di-n-octyl phthalate	U UJ	~~J4~~	0.932	3.00	1	04/19/2023 18:36	WG2043676
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/19/2023 18:36	WG2043676
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/19/2023 18:36	WG2043676
2-Chlorophenol	U		0.133	1.00	1	04/19/2023 18:36	WG2043676
2-Methylphenol	U		0.0929	1.00	1	04/19/2023 18:36	WG2043676
3&4-Methyl Phenol	U		0.168	1.00	1	04/19/2023 18:36	WG2043676
2,4-Dichlorophenol	U		0.102	5.00	1	04/19/2023 18:36	WG2043676
2,4-Dimethylphenol	U		0.0636	10.0	1	04/19/2023 18:36	WG2043676
4,6-Dinitro-2-methylphenol	U UJ		1.12	10.0	1	04/19/2023 18:36	WG2043676
2,4-Dinitrophenol	U UJ		5.93	10.0	1	04/19/2023 18:36	WG2043676
2-Nitrophenol	U UJ		0.117	10.0	1	04/19/2023 18:36	WG2043676
4-Nitrophenol	U		0.143	10.0	1	04/19/2023 18:36	WG2043676
Pentachlorophenol	U UJ		0.313	1.00	1	04/19/2023 18:36	WG2043676
Phenol	U		4.33	10.0	1	04/19/2023 18:36	WG2043676
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/19/2023 18:36	WG2043676
2,4,6-Trichlorophenol	U		0.100	1.00	1	04/19/2023 18:36	WG2043676
(S) 2-Fluorophenol	*26.5*			*10.0-120*		*04/19/2023 18:36*	WG2043676
(S) Phenol-d5	*16.3*			*10.0-120*		*04/19/2023 18:36*	WG2043676
(S) Nitrobenzene-d5	*67.7*			*10.0-127*		*04/19/2023 18:36*	WG2043676
(S) 2-Fluorobiphenyl	*76.3*			*10.0-130*		*04/19/2023 18:36*	WG2043676
(S) 2,4,6-Tribromophenol	*45.2*			*10.0-155*		*04/19/2023 18:36*	WG2043676
(S) p-Terphenyl-d14	*73.3*			*10.0-128*		*04/19/2023 18:36*	WG2043676

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	04/18/2023 11:59	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 11:59	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 11:59	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 11:59	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 11:59	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 11:59	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 11:59	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 11:59	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 11:59	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 11:59	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 11:59	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 11:59	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 11:59	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 11:59	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 11:59	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 11:59	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 11:59	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 11:59	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 11:59	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 11:59	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 11:59	WG2043323
(S) Nitrobenzene-d5	*59.5*			*31.0-160*		*04/18/2023 11:59*	WG2043323
(S) 2-Fluorobiphenyl	*97.0*			*48.0-148*		*04/18/2023 11:59*	WG2043323
(S) p-Terphenyl-d14	*94.0*			*37.0-146*		*04/18/2023 11:59*	WG2043323

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	04/20/2023 21:49	WG2043048

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	04/18/2023 18:12	WG2043131	
Acetone	U		11.3	25.0	1	04/18/2023 13:52	WG2043904	
Acrylonitrile	U		0.671	5.00	1	04/18/2023 13:52	WG2043904	
Benzene	U		0.0941	0.500	1	04/18/2023 13:52	WG2043904	
Bromobenzene	U		0.118	0.500	1	04/18/2023 13:52	WG2043904	
Bromodichloromethane	U		0.136	0.500	1	04/18/2023 13:52	WG2043904	
Bromochloromethane	U		0.128	0.500	1	04/18/2023 13:52	WG2043904	
Bromoform	U		0.129	0.500	1	04/18/2023 13:52	WG2043904	
Bromomethane	U	UJ	0.605	2.50	1	04/18/2023 13:52	WG2043904	
n-Butylbenzene	U		0.157	0.500	1	04/18/2023 13:52	WG2043904	
sec-Butylbenzene	U		0.125	0.500	1	04/18/2023 13:52	WG2043904	
tert-Butylbenzene	U		0.127	0.500	1	04/18/2023 13:52	WG2043904	
Carbon disulfide	U		0.0962	0.500	1	04/18/2023 13:52	WG2043904	
Carbon tetrachloride	U		0.128	0.500	1	04/18/2023 13:52	WG2043904	
Chlorobenzene	U		0.117	0.500	1	04/18/2023 13:52	WG2043904	
Chlorodibromomethane	U		0.140	0.500	1	04/18/2023 13:52	WG2043904	
Chloroethane	U	UJ	0.192	2.50	1	04/18/2023 13:52	WG2043904	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~04/18/2023 13:52~~	WG2043904	R
Chloroform	1.69		0.111	0.500	1	04/18/2023 13:52	WG2043904	
Chloromethane	U		0.960	1.25	1	04/18/2023 13:52	WG2043904	
2-Chlorotoluene	U		0.106	0.500	1	04/18/2023 13:52	WG2043904	
4-Chlorotoluene	U		0.114	0.500	1	04/18/2023 13:52	WG2043904	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	04/18/2023 13:52	WG2043904	
1,2-Dibromoethane	U		0.126	0.500	1	04/18/2023 13:52	WG2043904	
Dibromomethane	U		0.122	0.500	1	04/18/2023 13:52	WG2043904	
1,2-Dichlorobenzene	U		0.107	0.500	1	04/18/2023 13:52	WG2043904	
1,3-Dichlorobenzene	U		0.299	0.500	1	04/18/2023 13:52	WG2043904	
1,4-Dichlorobenzene	U		0.120	0.500	1	04/18/2023 13:52	WG2043904	
Dichlorodifluoromethane	U		0.374	2.50	1	04/18/2023 13:52	WG2043904	
1,1-Dichloroethane	U		0.100	0.500	1	04/18/2023 13:52	WG2043904	
1,2-Dichloroethane	U		0.0819	0.500	1	04/18/2023 13:52	WG2043904	
1,1-Dichloroethene	U		0.188	0.500	1	04/18/2023 13:52	WG2043904	
cis-1,2-Dichloroethene	U		0.126	0.500	1	04/18/2023 13:52	WG2043904	
trans-1,2-Dichloroethene	U		0.149	0.500	1	04/18/2023 13:52	WG2043904	
1,2-Dichloropropane	U		0.149	0.500	1	04/18/2023 13:52	WG2043904	
1,1-Dichloropropene	U		0.142	0.500	1	04/18/2023 13:52	WG2043904	
1,3-Dichloropropane	U		0.109	1.00	1	04/18/2023 13:52	WG2043904	
cis-1,3-Dichloropropene	U		0.111	0.500	1	04/18/2023 13:52	WG2043904	
trans-1,3-Dichloropropene	U		0.118	0.500	1	04/18/2023 13:52	WG2043904	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	04/18/2023 13:52	WG2043904	
2,2-Dichloropropane	U		0.161	0.500	1	04/18/2023 13:52	WG2043904	
Di-isopropyl ether	U		0.105	0.500	1	04/18/2023 13:52	WG2043904	
Ethylbenzene	U		0.137	0.500	1	04/18/2023 13:52	WG2043904	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	04/18/2023 13:52	WG2043904	
2-Hexanone	U		0.787	5.00	1	04/18/2023 13:52	WG2043904	
n-Hexane	U		0.749	5.00	1	04/18/2023 13:52	WG2043904	
Iodomethane	U		0.554	5.00	1	04/18/2023 13:52	WG2043904	
Isopropylbenzene	U	UJ	0.105	0.500	1	04/18/2023 13:52	WG2043904	
p-Isopropyltoluene	U		0.120	0.500	1	04/18/2023 13:52	WG2043904	
2-Butanone (MEK)	U		1.19	5.00	1	04/18/2023 13:52	WG2043904	

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	04/18/2023 13:52	WG2043904
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	04/18/2023 13:52	WG2043904
Methyl tert-butyl ether	U		0.101	0.500	1	04/18/2023 13:52	WG2043904
Naphthalene	U	UJ C3	0.174	2.50	1	04/18/2023 13:52	WG2043904
n-Propylbenzene	U		0.0993	0.500	1	04/18/2023 13:52	WG2043904
Styrene	U		0.118	0.500	1	04/18/2023 13:52	WG2043904
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	04/18/2023 13:52	WG2043904
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	04/18/2023 13:52	WG2043904
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	04/18/2023 13:52	WG2043904
Tetrachloroethene	U		0.300	0.500	1	04/18/2023 13:52	WG2043904
Toluene	U		0.278	0.500	1	04/18/2023 13:52	WG2043904
1,2,3-Trichlorobenzene	U		0.164	0.500	1	04/18/2023 13:52	WG2043904
1,2,4-Trichlorobenzene	U		0.481	1.00	1	04/18/2023 13:52	WG2043904
1,1,1-Trichloroethane	U		0.149	0.500	1	04/18/2023 13:52	WG2043904
1,1,2-Trichloroethane	U		0.158	0.500	1	04/18/2023 13:52	WG2043904
Trichloroethene	U		0.190	0.500	1	04/18/2023 13:52	WG2043904
Trichlorofluoromethane	U		0.160	2.50	1	04/18/2023 13:52	WG2043904
1,2,3-Trichloropropane	U	UJ J3	0.237	2.50	1	04/18/2023 13:52	WG2043904
1,2,4-Trimethylbenzene	U		0.322	0.500	1	04/18/2023 13:52	WG2043904
1,2,3-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 13:52	WG2043904
1,3,5-Trimethylbenzene	U		0.104	0.500	1	04/18/2023 13:52	WG2043904
Vinyl acetate	U	UJ	0.692	5.00	1	04/18/2023 13:52	WG2043904
Vinyl chloride	U	UJ J4	0.234	0.500	1	04/18/2023 13:52	WG2043904
Xylenes, Total	U		0.174	1.50	1	04/18/2023 13:52	WG2043904
(S) Toluene-d8	*98.4*			*80.0-120*		*04/18/2023 13:52*	WG2043904
(S) 4-Bromofluorobenzene	*83.1*			*77.0-126*		*04/18/2023 13:52*	WG2043904
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*04/18/2023 13:52*	WG2043904

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	04/19/2023 18:57	WG2043676
Atrazine	U		0.255	10.0	1	04/19/2023 18:57	WG2043676
Benzaldehyde	U	J4	1.69	10.0	1	04/19/2023 18:57	WG2043676
Biphenyl	U		0.790	10.0	1	04/19/2023 18:57	WG2043676
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	04/19/2023 18:57	WG2043676
Bis(2-chloroethyl)ether	U		0.137	1.00	1	04/19/2023 18:57	WG2043676
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	04/19/2023 18:57	WG2043676
4-Bromophenyl-phenylether	U		0.0877	10.0	1	04/19/2023 18:57	WG2043676
Caprolactam	U		0.309	10.0	1	04/19/2023 18:57	WG2043676
Carbazole	U		0.111	10.0	1	04/19/2023 18:57	WG2043676
4-Chloroaniline	U		0.234	5.00	1	04/19/2023 18:57	WG2043676
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	04/19/2023 18:57	WG2043676
3,3-Dichlorobenzidine	U		0.212	10.0	1	04/19/2023 18:57	WG2043676
2,4-Dinitrotoluene	U		0.0983	5.00	1	04/19/2023 18:57	WG2043676
2,6-Dinitrotoluene	U		0.250	5.00	1	04/19/2023 18:57	WG2043676
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	04/19/2023 18:57	WG2043676
Hexachlorocyclopentadiene	U		0.0598	5.00	1	04/19/2023 18:57	WG2043676
Hexachloroethane	U		0.127	5.00	1	04/19/2023 18:57	WG2043676
Isophorone	U		0.143	10.0	1	04/19/2023 18:57	WG2043676
2-Nitroaniline	U	UJ	0.102	10.0	1	04/19/2023 18:57	WG2043676
3-Nitroaniline	U		0.0869	5.00	1	04/19/2023 18:57	WG2043676
4-Nitroaniline	U		0.0910	5.00	1	04/19/2023 18:57	WG2043676
Nitrobenzene	U		0.297	10.0	1	04/19/2023 18:57	WG2043676
n-Nitrosodiphenylamine	U		2.37	10.0	1	04/19/2023 18:57	WG2043676
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	04/19/2023 18:57	WG2043676

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 UJ	J4	0.765	3.00	1	04/19/2023 18:57	WG2043676
Bis(2-ethylhexyl)phthalate	U	J4	0.895	3.00	1	04/19/2023 18:57	WG2043676
Di-n-butyl phthalate	U		0.453	3.00	1	04/19/2023 18:57	WG2043676
Diethyl phthalate	U		0.287	3.00	1	04/19/2023 18:57	WG2043676
Dimethyl phthalate	U		0.260	3.00	1	04/19/2023 18:57	WG2043676
Di-n-octyl phthalate	U UJ	J4	0.932	3.00	1	04/19/2023 18:57	WG2043676
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	04/19/2023 18:57	WG2043676
4-Chloro-3-methylphenol	U		0.131	1.00	1	04/19/2023 18:57	WG2043676
2-Chlorophenol	U		0.133	1.00	1	04/19/2023 18:57	WG2043676
2-Methylphenol	U		0.0929	1.00	1	04/19/2023 18:57	WG2043676
3&4-Methyl Phenol	U		0.168	1.00	1	04/19/2023 18:57	WG2043676
2,4-Dichlorophenol	U		0.102	5.00	1	04/19/2023 18:57	WG2043676
2,4-Dimethylphenol	U		0.0636	10.0	1	04/19/2023 18:57	WG2043676
4,6-Dinitro-2-methylphenol	U UJ		1.12	10.0	1	04/19/2023 18:57	WG2043676
2,4-Dinitrophenol	U UJ		5.93	10.0	1	04/19/2023 18:57	WG2043676
2-Nitrophenol	U UJ		0.117	10.0	1	04/19/2023 18:57	WG2043676
4-Nitrophenol	U		0.143	10.0	1	04/19/2023 18:57	WG2043676
Pentachlorophenol	U UJ		0.313	1.00	1	04/19/2023 18:57	WG2043676
Phenol	U		4.33	10.0	1	04/19/2023 18:57	WG2043676
2,4,5-Trichlorophenol	U		0.109	1.00	1	04/19/2023 18:57	WG2043676
2,4,6-Trichlorophenol	U		0.100	1.00	1	04/19/2023 18:57	WG2043676
(S) 2-Fluorophenol	*31.4*			*10.0-120*		*04/19/2023 18:57*	WG2043676
(S) Phenol-d5	*17.9*			*10.0-120*		*04/19/2023 18:57*	WG2043676
(S) Nitrobenzene-d5	*59.5*			*10.0-127*		*04/19/2023 18:57*	WG2043676
(S) 2-Fluorobiphenyl	*65.6*			*10.0-130*		*04/19/2023 18:57*	WG2043676
(S) 2,4,6-Tribromophenol	*56.6*			*10.0-155*		*04/19/2023 18:57*	WG2043676
(S) p-Terphenyl-d14	*68.8*			*10.0-128*		*04/19/2023 18:57*	WG2043676

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	04/18/2023 12:19	WG2043323
Acenaphthene	U		0.0190	0.0500	1	04/18/2023 12:19	WG2043323
Acenaphthylene	U		0.0171	0.0500	1	04/18/2023 12:19	WG2043323
Benzo(a)anthracene	U		0.0203	0.0500	1	04/18/2023 12:19	WG2043323
Benzo(a)pyrene	U		0.0184	0.0500	1	04/18/2023 12:19	WG2043323
Benzo(b)fluoranthene	U		0.0168	0.0500	1	04/18/2023 12:19	WG2043323
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	04/18/2023 12:19	WG2043323
Benzo(k)fluoranthene	U		0.0202	0.0500	1	04/18/2023 12:19	WG2043323
Chrysene	U		0.0179	0.0500	1	04/18/2023 12:19	WG2043323
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	04/18/2023 12:19	WG2043323
Dibenzofuran	U		0.0191	0.0500	1	04/18/2023 12:19	WG2043323
Fluoranthene	U		0.0270	0.100	1	04/18/2023 12:19	WG2043323
Fluorene	U		0.0169	0.0500	1	04/18/2023 12:19	WG2043323
Hexachlorobenzene	U		0.00670	0.0500	1	04/18/2023 12:19	WG2043323
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	04/18/2023 12:19	WG2043323
Naphthalene	U		0.0917	0.250	1	04/18/2023 12:19	WG2043323
Phenanthrene	U		0.0180	0.0500	1	04/18/2023 12:19	WG2043323
Pyrene	U		0.0169	0.0500	1	04/18/2023 12:19	WG2043323
1-Methylnaphthalene	U		0.0687	0.250	1	04/18/2023 12:19	WG2043323
2-Methylnaphthalene	U		0.0674	0.250	1	04/18/2023 12:19	WG2043323
2-Chloronaphthalene	U		0.0682	0.250	1	04/18/2023 12:19	WG2043323
(S) Nitrobenzene-d5	*79.0*			*31.0-160*		*04/18/2023 12:19*	WG2043323
(S) 2-Fluorobiphenyl	*108*			*48.0-148*		*04/18/2023 12:19*	WG2043323
(S) p-Terphenyl-d14	*106*			*37.0-146*		*04/18/2023 12:19*	WG2043323

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 # L1671446

Analyses Performed By:
Pace Analytical, Lebanon Rd
Tennessee

Report #53078R
Review Level: Tier III
Project: 30064362.19.61

Summary

This Data Usability Summary Report (DUSR) summarizes the review of Sample Delivery Groups (SDG) # L1671446 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-231025	L1671446-01	Water	10/25/2023		X	X	X
OS-3-W-231025	L1671446-02	Water	10/25/2023		X	X	X
DB-17-W-231026	L1671446-03	Water	10/26/2023		X	X	X
DB-8A-W-231026	L1671446-04	Water	10/26/2023		X	X	X
DC-2-W-231026	L1671446-05	Water	10/26/2023		X	X	X
DC-1-W-231026	L1671446-06	Water	10/26/2023		X	X	X
TF-23-W-231026	L1671446-07	Water	10/26/2023		X	X	X
TF-5-W-231026	L1671446-08	Water	10/26/2023		X	X	X
BD-W-231026	L1671446-10	Water	10/26/2023	DB-17-W-231026	X	X	X
TB-W-231027	L1671446-13	Water	10/27/2023		X		
OR-2-W-231027	L1671446-15	Water	10/27/2023		X	X	X
OR-3-W-231027	L1671446-16	Water	10/27/2023		X	X	X
EB-W-231027	L1671446-17	Water	10/27/2023		X	X	X
EB-W-231025	L1671446-18	Water	10/25/2023		X	X	X
EB-W-231026	L1671446-19	Water	10/26/2023		X	X	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.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample ID	Compounds	Sample Result	Qualification
DB-8A-W-231026 DC-1-W-231026 TF-23-W-231026 TF-5-W-231026	Chloroform (EB)	Detected sample results <RL and <BAL	"UB" at the RL

Note:

RL Reporting limit

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
OS-3-W-231025 EB-W-231026	ICV %D	1,2,3-Trichlorobenzene	+24.5 %
		1,2,4-Trichlorobenzene	+24.8 %
		1,2-Dibromo-3-Chloropropane	+21.2 %
		2-Butanone (Mek)	+23 %
		2-Hexanone	+27 %
		4-Methyl-2-Pentanone (Mibk)	+34 %
		Carbon Disulfide	+22 %
		Chloromethane	+22.8 %
		Cis-1,3-Dichloropropene	+21.4 %
		Hexachloro-1,3-Butadiene	+25.6 %
		N-Butylbenzene	+21 %
		Naphthalene	+22.4 %

Sample ID	Initial/Continuing	Compound	Criteria
		Styrene	+38.4 %
		Vinyl Acetate	+52 %
EB-W-231026	ICV %D	Acetone	+37 %
		Bromomethane	+27.2 %
		Dichlorodifluoromethane	+21.3 %
		Trans-1,4-Dichloro-2-Butene	+31.6 %
		Trichlorofluoromethane	+31.6 %
OS-3-W-231025	CCV %D	1,2,3-Trichlorobenzene	+23.1 %
		1,2,4-Trichlorobenzene	+23.8 %
		2-Butanone (Mek)	+20.8 %
		Acetone	+39.7 %
		Bromomethane	+33.7 %
		Chloroethane	+20.1 %
		Vinyl Acetate	+27.2 %
OS-2-W-231025 OS-3-W-231025 DB-17-W-231026 DC-2-W-231026 DC-1-W-231026 TF-23-W-231026 TF-5-W-231026 BD-W-231026 OR-2-W-231027 OR-3-W-231027 EB-W-231027 EB-W-231025 EB-W-231026	ICV %D	1,2-Dibromo-3-Chloropropane	+25.1 %
OS-2-W-231025	ICV %D	Acetone	+60.9 %

Sample ID	Initial/Continuing	Compound	Criteria
DB-17-W-231026 DB-8A-W-231026 DC-2-W-231026 DC-1-W-231026 TF-23-W-231026 TF-5-W-231026 BD-W-231026 TB-W-231027 OR-2-W-231027 OR-3-W-231027 EB-W-231027 EB-W-231025		Iodomethane	+64 %
	CCV %D	1,1,1,2-Tetrachloroethane	+23.7 %
		1,2,3-Trichlorobenzene	+44.9 %
		4-Methyl-2-Pentanone (Mibk)	+26.2 %
		Acetone	+45 %
		Bromomethane	+23.9 %
		Carbon Disulfide	+20.8 %
		Chloroethane	+24.6 %
		Di-Isopropyl Ether	+20.7 %
		Dichlorodifluoromethane	+43.2 %
		Naphthalene	+37.9 %
		Trichloroethene	+30.9 %
		Vinyl Acetate	+27.9 %

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 <0.011	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.011	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

Initial/Continuing	Criteria	Sample Result	Qualification
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

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 DB-8A-W-231026, exhibited acceptable recoveries and RPDs with below exceptions.

Sample ID	Compound	MS Recovery	MSD Recovery
DB-8A-W-231026	1,2-Dibromo-3-chloropropane	>UL	AC

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 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 ID	Compound	LCS Recovery	LCSD Recovery
OS-2-W-231025 OS-3-W-231025 DB-17-W-231026 DC-2-W-231026 DC-1-W-231026 TF-23-W-231026 TF-5-W-231026 BD-W-231026	1,2-Dibromo-3-chloropropane	>UL	AC

Sample ID	Compound	LCS Recovery	LCSD Recovery
OR-2-W-231027 OR-3-W-231027 EB-W-231027 EB-W-231025 EB-W-231026	Chlorodibromomethane	AC	>UL
	1,2-Dichlorobenzene	AC	>UL
	1,1,1,2-Tetrachloroethane	AC	>UL
	Chlorodibromomethane	AC	>UL
OS-3-W-231025	Vinyl chloride	AC	>UL

The criteria used to evaluate the LCSLCSD 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

Sample locations associated with LCS/LCSD recoveries exhibiting an RPD greater than of the control limit presented in the following table

Sample ID	Compound
OS-3-W-231025	2-Butanone (MEK)
	Vinyl acetate

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
DB-17-W-231026 / BD-W-231026	Tetrachloroethene	0.525	0.601	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	
Continuing calibration %Ds		X	X		

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
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.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample ID	Compounds	Sample Result	Qualification
DB-17-W-231026, DB-8A-W-231026, DC-2-W-231026, DC-1-W-231026, TF-23-W-231026	2,4-Dimethylphenol (MB)	Detected sample results <RL and <BAL	“UB” at the RL
OS-2-W-231025, OS-3-W-231025, OR-2-W-231027	Phenanthrene (MB)		

Note:

RL Reporting limit

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 ID	Initial/Continuing	Compound	Criteria
OS-2-W-231025 OS-3-W-231025 OR-2-W-231027 EB-W-231025 EB-W-231026	ICV %D	2,4-Dimethylphenol	+22.5 %
		Pentachlorophenol	+23.5 %
		Benzaldehyde	+142 %
	CCV %D	2,4-Dinitrophenol	+28.7 %
		2-Nitroaniline	+22.4 %
		4,6-Dinitro-2-Methylphenol	+36.2 %
		4-Nitrophenol	+30.0 %

Sample ID	Initial/Continuing	Compound	Criteria
		Benzylbutyl Phthalate	+23.8 %
		Phenol	+22.3 %
OR-3-W-231027 EB-W-231027	CCV %D	2,4-Dinitrophenol	+34.2 %
		2-Nitrophenol	+21.5 %
		4,6-Dinitro-2-Methylphenol	+46 %
		4-Nitrophenol	+27.1 %
DB-17-W-231026 DB-8A-W-231026 DC-2-W-231026 DC-1-W-231026 TF-23-W-231026 TF-5-W-231026 BD-W-231026	ICV %D	Benzaldehyde	+24.3 %
	ICV %D	2,4-Dimethylphenol	+33.7 %
		Hexachlorocyclopentadiene	+24 %
		Pentachlorophenol	+36.8 %
	CCV %D	2,4-Dinitrophenol	+47.8 %
		4,6-Dinitro-2-Methylphenol	+44 %
OR-3-W-231027 EB-W-231027	CCV %D	2,4-Dinitrophenol	+43.6 %
		4,6-Dinitro-2-Methylphenol	+45.3 %
		Atrazine	+23.6 %
		Benzaldehyde	+21.5 %
OS-2-W-231025 OR-2-W-231027 EB-W-231025 EB-W-231026		2,4-Dinitrophenol	+72.7 %
		4,6-Dinitro-2-Methylphenol	+57.3 %
		Benzylbutyl Phthalate	+22.4 %
		Pentachlorophenol	+25.1 %

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 <0.011	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.011	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. 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 was performed on sample ID DB-8A-W-231026, exhibited acceptable recoveries and RPDs with below exceptions.

Sample ID	Compound	MS Recovery	MSD Recovery
DB-8A-W-231026	Benzaldehyde	AC	>UL
	Bis(2-ethylhexyl)phthalate	AC	<LL but >10%

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	

Sample locations associated with MS/MSD recoveries exhibiting an RPD greater than the control limit are presented in the following table.

Sample ID	Compound
DB-8A-W-231026	Atrazine
	Biphenyl
	4-Bromophenyl-phenylether
	Carbazole
	4-Chloroaniline
	4-Chlorophenyl-phenylether
	3,3-Dichlorobenzidine
	Hexachlorocyclopentadiene
	3-Nitroaniline
	4-Nitroaniline
	n-Nitrosodiphenylamine
	Benzylbutyl phthalate
	Bis(2-ethylhexyl)phthalate
	Di-n-butyl phthalate
	Diethyl phthalate
	Dimethyl phthalate
	Di-n-octyl phthalate
	4-Chloro-3-methylphenol
	2-Chlorophenol
	2-Methylphenol
	3&4-Methyl Phenol
	2,4-Dichlorophenol
	2,4-Dimethylphenol
	4,6-Dinitro-2-methylphenol
	2,4-Dinitrophenol
	2-Nitrophenol
	Pentachlorophenol
	2,4,5-Trichlorophenol
	2,4,6-Trichlorophenol
	Anthracene
	Acenaphthene

Sample ID	Compound
	Acenaphthylene
	Benzo(a)anthracene
	Benzo(a)pyrene
	Benzo(b)fluoranthene
	Benzo(k)fluoranthene
	Chrysene
	Dibenz(a,h)anthracene
	Dibenzofuran
	Fluoranthene
	Fluorene
	Hexachlorobenzene
	Indeno(1,2,3-cd)pyrene
	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 ID	Compounds	LCS Recovery
OS-2-W-231025 OS-3-W-231025 OR-2-W-231027 EB-W-231025 EB-W-231026	Benzaldehyde	>UL
	4-Nitrophenol	>UL
DB-17-W-231026 DB-8A-W-231026 DC-2-W-231026 DC-1-W-231026 TF-23-W-231026 TF-5-W-231026 BD-W-231026	Benzaldehyde	>UL
	3,3-Dichlorobenzidine	>UL
OR-3-W-231027 EB-W-231027	Benzaldehyde	>UL
	2,4-Dinitrotoluene	>UL
	4,6-Dinitro-2-methylphenol	>UL
	2,4-Dinitrophenol	>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

Note:
Sample results were not qualified as rejected (R) due to the deviations listed above.

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
DB-17-W-231026 / BD-W-231026	Caprolactam	5.58	29.5	NC

Notes:
AC Acceptable

The compound caprolactam associated with sample locations DB-17-W-231026 / BD-W-231026 exhibited a field duplicate RPD greater than the control limit. The associated sample results from sample locations for the listed analyte were qualified as estimated.

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	
Ion abundance criteria for each instrument used		X		X	

SVOCs: SW-846 8270D-SIM	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
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 2017); 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 DB-8A-W-231026, 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
DB-17-W-231026 / BD-W-231026	Lead, Dissolved	U	U	AC

Notes:
AC = 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 sample ID DB-8A-W-231026, exhibited acceptable RPDs.

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	
Transcription/calculations acceptable		X		X	
Raw Data		X		X	

METALS; SW-846 6020A	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
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	
L1671446	10/25/2023	SW6020A SM8260C SW8270D	OS-2-W-231025	Water	No	No	Yes	VOC – ICV and CCV %D exceedance, LCS/LCSD %R and LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R
	10/25/2023		OS-3-W-231025	Water	No	No	Yes	VOC – ICV and CCV %D exceedance, LCS/LCSD %R and LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R
	10/26/2023		DB-17-W-231026	Water	No	No	Yes	VOC – ICV and CCV %D exceedance, LCS/LCSD %R and LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R, method blank contamination, Field duplicate RPD
	10/26/2023		DB-8A-W-231026	Water	No	No	Yes	VOC – ICV and CCV %D exceedance, MS/MSD %R, LCS/LCSD %R, LCS/LCSD RPD and equipment blank contamination SVOC – ICV and CCV %D exceedance, LCS %R, MS/MSD %R and MS/MSD RPD, method blank contamination
	10/26/2023		DC-2-W-231026	Water	No	No	Yes	VOC – ICV and CCV %D exceedance, MS/MSD %R, LCS/LCSD %R, LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R and method blank contamination

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]			Noncompliance
					VOC	SVOC	MET	
	10/26/2023		DC-1-W-231026	Water	No	No	Yes	VOC – ICV and CCV %D exceedance, MS/MSD %R, LCS/LCSD %R, LCS/LCSD RPD and equipment blank contamination SVOC – ICV and CCV %D exceedance, LCS %R, method blank contamination
	10/26/2023		TF-23-W-231026	Water	No	No	Yes	VOC – ICV and CCV %D exceedance, LCS/LCSD %R, LCS/LCSD RPD, and equipment blank contamination SVOC – ICV and CCV %D exceedance, LCS %R, method blank contamination
	10/26/2023		TF-5-W-231026	Water	No	No	Yes	VOC – ICV and CCV %D exceedance, LCS/LCSD %R, LCS/LCSD RPD, and equipment blank contamination SVOC – ICV and CCV %D exceedance, LCS %R
	10/26/2023		BD-W-231026	Water	No	No	Yes	VOC – ICV and CCV %D exceedance, LCS/LCSD %R and LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R, Field duplicate RPD
	10/27/2023		TB-W-231027	Water	No	--	--	VOC – ICV and CCV %D exceedance, LCS/LCSD %R and LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R
	10/27/2023		OR-2-W-231027	Water	No	No	Yes	VOC – ICV and CCV %D exceedance, LCS/LCSD %R and LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]			Noncompliance
					VOC	SVOC	MET	
	10/27/2023		OR-3-W-231027	Water	No	No	Yes	VOC – ICV and CCV %D exceedance, LCS/LCSD %R and LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R
	10/27/2023		EB-W-231027	Water	No	No	Yes	VOC – ICV and CCV %D exceedance, LCS/LCSD %R and LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R
	10/25/2023		EB-W-231025	Water	No	No	Yes	VOC – ICV and CCV %D exceedance, LCS/LCSD %R and LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R
	10/26/2023		EB-W-231026	Water	No	No	Yes	VOC – ICV and CCV %D exceedance, LCS/LCSD %R and LCS/LCSD RPD SVOC – ICV and CCV %D exceedance, LCS %R

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: March 05, 2024

PEER REVIEW: Dennis Capria

DATE: March 05, 2024

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: Max Mansilla

Email To: edward.meyer@arcadis.com;maxwell.mansilla

Project Description: Pod 4 - Beacon PMG00037

City/State Collected:

Please Circle: PT MT CT ET

Phone: 908-380-7457

Client Project # 30064362.19.45

Lab Project # CHEVARCNY-BEACON

Collected by (print): Kirk Vargas, 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

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- 231025	Grab	GW		10/25/23	1253	11		X	X	X	X	X			-01
OS-3-W- 231025	Grab	GW		10/25/23	1325	11		X	X	X	X	X			-02
OR-2-W- 231027	Grab	GW		10/27/23	1650	11		X	X	X	X	X			15
OR-3-W- 231027	Grab	GW		10/27/23	1220	11		X	X	X	X	X			16
DB-17-W- 231026	Grab	GW		10/26/23	1005	13	X	X	X	X	X	X			-04
DB-8A-W- 231026	Grab	GW		10/26/23	1125	13	X	X	X	X	X	X			-03
DC-2-W- 231026	Grab	GW		10/26/23	1320	11		X	X	X	X	X			-05
DC-1-W- 231026	Grab	GW		10/26/23	1210	11		X	X	X	X	X			-06
TF-23-W- 231026	Grab	GW		10/26/23	1440	11		X	X	X	X	X			-07
TF-5-W- 231026	Grab	GW		10/26/23	1500	11		X	X	X	X	X			-08

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
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 # L1671446

Table #

Acctnum: CHEVARCNY
Template: T166593
Prelogin: P1032668
PM: 526 - Chris McCord
PB: 10/23/23 JLS
Shipped Via: FedEX Priority

* 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)
Kirk Vargas	10/27/23	1610	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Caleb Tarp

Trip Blank Received: (Yes) / No
2 HCL / MeoH TBR

Temp: °C Bottles Received: 12

Date: 10/28/23 Time: 09:00

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: **Max Mansilla**

Email To: edward.meyer@arcadis.com;maxwell.mansilla

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

City/State Collected:

Please Circle: PT MT CT ET

Phone: **908-380-7457**

Client Project # **30064362.19.45**

Lab Project # **CHEVARCNY-BEACON**

Collected by (print): Kirk Vargo / Shannon Turhan

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

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
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 # L1471446
1102

Acctnum: **CHEVARCNY**
Template: **T166593**
Prelogin: **P1032668**
PM: **526 - Chris McCord**
PB: 10/23/23 TLS
Shipped Via: **FedEX Priority**

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						MS 11/1/23
BD-W- 231026	Grab	GW		10/26/23	—	11		X	X	X	X	X						MSD
EB-W- 231025	Grab	GW		10/25/23	1430	11		X	X	X	X	X					-10	
EB-W- 231026	Grab	GW		10/26/23	1500	11		X	X	X	X	X					18	
EB-W- 231027	Grab	GW		10/27/23	1400	11		X	X	X	X	X					19	
QA-MS-W- 231026	Grab	GW		10/26/23	1125	11		X	X	X	X	X					17	
QA-MSD-W- 231026	Grab	GW		10/26/23	1125	11		X	X	X	X	X					04	
		GW				11		X	X	X	X	X					04	
TB-W- 231027	Grab	GW		10/27/23	—	~~11~~ 2							X					
TB-W-		GW				1							X				-B	

* 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
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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)
Kirk Vargo	10/27/23	1610	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Caleb Tapp

Trip Blank Received: (Yes) / No
2 HCL / MeoH TBR

Temp: °C Bottles Received: 121

Date: 10/28/23 Time: 09:00

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	11/07/2023 10:52	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 15:16	WG2160512	
Acetone	U UJ		11.3	25.0	1	11/02/2023 04:27	WG2162809	
Acrylonitrile	U		0.671	5.00	1	11/02/2023 04:27	WG2162809	
Benzene	U		0.0941	0.500	1	11/02/2023 04:27	WG2162809	
Bromobenzene	U		0.118	0.500	1	11/02/2023 04:27	WG2162809	
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 04:27	WG2162809	
Bromochloromethane	U		0.128	0.500	1	11/02/2023 04:27	WG2162809	
Bromoform	U		0.129	0.500	1	11/02/2023 04:27	WG2162809	
Bromomethane	U UJ	C3	0.605	2.50	1	11/02/2023 04:27	WG2162809	
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 04:27	WG2162809	
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 04:27	WG2162809	
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 04:27	WG2162809	
Carbon disulfide	U UJ	C3	0.0962	0.500	1	11/02/2023 04:27	WG2162809	
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 04:27	WG2162809	
Chlorobenzene	U		0.117	0.500	1	11/02/2023 04:27	WG2162809	
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 04:27	WG2162809	
Chloroethane	U UJ	C3	0.192	2.50	1	11/02/2023 04:27	WG2162809	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~11/02/2023 04:27~~	WG2162809	R
Chloroform	U		0.111	0.500	1	11/02/2023 04:27	WG2162809	
Chloromethane	U		0.960	1.25	1	11/02/2023 04:27	WG2162809	
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 04:27	WG2162809	
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 04:27	WG2162809	
1,2-Dibromo-3-Chloropropane	U UJ		0.276	2.50	1	11/02/2023 04:27	WG2162809	
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 04:27	WG2162809	
Dibromomethane	U		0.122	0.500	1	11/02/2023 04:27	WG2162809	
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 04:27	WG2162809	
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 04:27	WG2162809	
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 04:27	WG2162809	
Dichlorodifluoromethane	U UJ		0.374	2.50	1	11/02/2023 04:27	WG2162809	
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 04:27	WG2162809	
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 04:27	WG2162809	
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 04:27	WG2162809	
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 04:27	WG2162809	
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 04:27	WG2162809	
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 04:27	WG2162809	
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 04:27	WG2162809	
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 04:27	WG2162809	
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 04:27	WG2162809	
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 04:27	WG2162809	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 04:27	WG2162809	
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 04:27	WG2162809	
Di-isopropyl ether	U UJ		0.105	0.500	1	11/02/2023 04:27	WG2162809	
Ethylbenzene	U		0.137	0.500	1	11/02/2023 04:27	WG2162809	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 04:27	WG2162809	
2-Hexanone	U		0.787	5.00	1	11/02/2023 04:27	WG2162809	
n-Hexane	U		0.749	5.00	1	11/02/2023 04:27	WG2162809	
Iodomethane	U UJ		0.554	5.00	1	11/02/2023 04:27	WG2162809	
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 04:27	WG2162809	
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 04:27	WG2162809	
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 04:27	WG2162809	

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	11/02/2023 04:27	WG2162809
4-Methyl-2-pentanone (MIBK)	U	UJ	0.478	5.00	1	11/02/2023 04:27	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 04:27	WG2162809
Naphthalene	U	UJ C3	0.174	2.50	1	11/02/2023 04:27	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 04:27	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 04:27	WG2162809
1,1,1,2-Tetrachloroethane	U	UJ J4	0.147	0.500	1	11/02/2023 04:27	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 04:27	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 04:27	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 04:27	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 04:27	WG2162809
1,2,3-Trichlorobenzene	U	UJ C3	0.164	0.500	1	11/02/2023 04:27	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 04:27	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 04:27	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 04:27	WG2162809
Trichloroethene	U	UJ	0.190	0.500	1	11/02/2023 04:27	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 04:27	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 04:27	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 04:27	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 04:27	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 04:27	WG2162809
Vinyl acetate	U	UJ C3	0.692	5.00	1	11/02/2023 04:27	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 04:27	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 04:27	WG2162809
(S) Toluene-d8	*106*			*80.0-120*		*11/02/2023 04:27*	WG2162809
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*11/02/2023 04:27*	WG2162809
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*11/02/2023 04:27*	WG2162809

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	11/02/2023 00:12	WG2161005
Atrazine	U		0.255	10.0	1	11/02/2023 00:12	WG2161005
Benzaldehyde	U	J4	1.69	10.0	1	11/02/2023 00:12	WG2161005
Biphenyl	U		0.790	10.0	1	11/02/2023 00:12	WG2161005
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/02/2023 00:12	WG2161005
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/02/2023 00:12	WG2161005
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/02/2023 00:12	WG2161005
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/02/2023 00:12	WG2161005
Caprolactam	U		0.309	10.0	1	11/02/2023 00:12	WG2161005
Carbazole	U		0.111	10.0	1	11/02/2023 00:12	WG2161005
4-Chloroaniline	U		0.234	5.00	1	11/02/2023 00:12	WG2161005
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/02/2023 00:12	WG2161005
3,3-Dichlorobenzidine	U		0.212	10.0	1	11/02/2023 00:12	WG2161005
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/08/2023 20:42	WG2161005
2,6-Dinitrotoluene	U		0.250	5.00	1	11/02/2023 00:12	WG2161005
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/02/2023 00:12	WG2161005
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/02/2023 00:12	WG2161005
Hexachloroethane	U		0.127	5.00	1	11/02/2023 00:12	WG2161005
Isophorone	U		0.143	10.0	1	11/02/2023 00:12	WG2161005
2-Nitroaniline	U	UJ	0.102	10.0	1	11/02/2023 00:12	WG2161005
3-Nitroaniline	U		0.0869	5.00	1	11/02/2023 00:12	WG2161005
4-Nitroaniline	U		0.0910	5.00	1	11/02/2023 00:12	WG2161005
Nitrobenzene	U		0.297	10.0	1	11/02/2023 00:12	WG2161005
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/02/2023 00:12	WG2161005
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/02/2023 00:12	WG2161005

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 UJ		0.765	3.00	1	11/02/2023 00:12	WG2161005
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/02/2023 00:12	WG2161005
Di-n-butyl phthalate	U		0.453	3.00	1	11/02/2023 00:12	WG2161005
Diethyl phthalate	U		0.287	3.00	1	11/02/2023 00:12	WG2161005
Dimethyl phthalate	U		0.260	3.00	1	11/02/2023 00:12	WG2161005
Di-n-octyl phthalate	U		0.932	3.00	1	11/02/2023 00:12	WG2161005
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/02/2023 00:12	WG2161005
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/02/2023 00:12	WG2161005
2-Chlorophenol	U		0.133	1.00	1	11/02/2023 00:12	WG2161005
2-Methylphenol	U		0.0929	1.00	1	11/02/2023 00:12	WG2161005
3&4-Methyl Phenol	U		0.168	1.00	1	11/02/2023 00:12	WG2161005
2,4-Dichlorophenol	U		0.102	5.00	1	11/02/2023 00:12	WG2161005
2,4-Dimethylphenol	U UJ		0.0636	10.0	1	11/02/2023 00:12	WG2161005
4,6-Dinitro-2-methylphenol	U UJ		1.12	10.0	1	11/02/2023 00:12	WG2161005
2,4-Dinitrophenol	U UJ		5.93	10.0	1	11/02/2023 00:12	WG2161005
2-Nitrophenol	U		0.117	10.0	1	11/02/2023 00:12	WG2161005
4-Nitrophenol	U UJ	~~J4~~	0.143	10.0	1	11/02/2023 00:12	WG2161005
Pentachlorophenol	U UJ		0.313	1.00	1	11/02/2023 00:12	WG2161005
Phenol	U UJ		4.33	10.0	1	11/02/2023 00:12	WG2161005
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/02/2023 00:12	WG2161005
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/02/2023 00:12	WG2161005
(S) 2-Fluorophenol	*33.0*			*10.0-120*		*11/08/2023 20:42*	WG2161005
(S) 2-Fluorophenol	*36.3*			*10.0-120*		*11/02/2023 00:12*	WG2161005
(S) Phenol-d5	*21.8*			*10.0-120*		*11/08/2023 20:42*	WG2161005
(S) Phenol-d5	*23.0*			*10.0-120*		*11/02/2023 00:12*	WG2161005
(S) Nitrobenzene-d5	*82.0*			*10.0-127*		*11/08/2023 20:42*	WG2161005
(S) Nitrobenzene-d5	*73.7*			*10.0-127*		*11/02/2023 00:12*	WG2161005
(S) 2-Fluorobiphenyl	*72.9*			*10.0-130*		*11/08/2023 20:42*	WG2161005
(S) 2-Fluorobiphenyl	*71.6*			*10.0-130*		*11/02/2023 00:12*	WG2161005
(S) 2,4,6-Tribromophenol	*74.2*			*10.0-155*		*11/08/2023 20:42*	WG2161005
(S) 2,4,6-Tribromophenol	*72.6*			*10.0-155*		*11/02/2023 00:12*	WG2161005
(S) p-Terphenyl-d14	*91.6*			*10.0-128*		*11/08/2023 20:42*	WG2161005
(S) p-Terphenyl-d14	*81.4*			*10.0-128*		*11/02/2023 00:12*	WG2161005

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	11/01/2023 02:22	WG2161001
Acenaphthene	U		0.0190	0.0500	1	11/01/2023 02:22	WG2161001
Acenaphthylene	U		0.0171	0.0500	1	11/01/2023 02:22	WG2161001
Benzo(a)anthracene	U		0.0203	0.0500	1	11/01/2023 02:22	WG2161001
Benzo(a)pyrene	U		0.0184	0.0500	1	11/01/2023 02:22	WG2161001
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/01/2023 02:22	WG2161001
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/01/2023 02:22	WG2161001
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/01/2023 02:22	WG2161001
Chrysene	U		0.0179	0.0500	1	11/01/2023 02:22	WG2161001
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/01/2023 02:22	WG2161001
Dibenzofuran	U		0.0191	0.0500	1	11/01/2023 02:22	WG2161001
Fluoranthene	U		0.0270	0.100	1	11/01/2023 02:22	WG2161001
Fluorene	U		0.0169	0.0500	1	11/01/2023 02:22	WG2161001
Hexachlorobenzene	U		0.00670	0.0500	1	11/01/2023 02:22	WG2161001
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/01/2023 02:22	WG2161001
Naphthalene	U		0.0917	0.250	1	11/01/2023 02:22	WG2161001
Phenanthrene	~~0.0199~~	~~B J~~	0.0180	0.0500 UB	1	11/01/2023 02:22	WG2161001
Pyrene	U		0.0169	0.0500	1	11/01/2023 02:22	WG2161001
1-Methylnaphthalene	U		0.0687	0.250	1	11/01/2023 02:22	WG2161001

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	11/01/2023 02:22	WG2161001
2-Chloronaphthalene	U		0.0682	0.250	1	11/01/2023 02:22	WG2161001
(S) Nitrobenzene-d5	*101*			*31.0-160*		*11/01/2023 02:22*	WG2161001
(S) 2-Fluorobiphenyl	*102*			*48.0-148*		*11/01/2023 02:22*	WG2161001
(S) p-Terphenyl-d14	*97.4*			*37.0-146*		*11/01/2023 02:22*	WG2161001

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	11/07/2023 12:09	WG2162517

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	~~J4~~	0.000520	0.00500	1	11/01/2023 15:40	WG2160512	
Acetone	U	UJ ~~C3~~	11.3	25.0	1	11/04/2023 08:50	WG2164397	
Acrylonitrile	U		0.671	5.00	1	11/04/2023 08:50	WG2164397	
Benzene	U		0.0941	0.500	1	11/04/2023 08:50	WG2164397	
Bromobenzene	U		0.118	0.500	1	11/04/2023 08:50	WG2164397	
Bromodichloromethane	U		0.136	0.500	1	11/04/2023 08:50	WG2164397	
Bromochloromethane	U		0.128	0.500	1	11/04/2023 08:50	WG2164397	
Bromoform	U		0.129	0.500	1	11/04/2023 08:50	WG2164397	
Bromomethane	U	UJ	0.605	2.50	1	11/04/2023 08:50	WG2164397	
n-Butylbenzene	U	UJ	0.157	0.500	1	11/04/2023 08:50	WG2164397	
sec-Butylbenzene	U		0.125	0.500	1	11/04/2023 08:50	WG2164397	
tert-Butylbenzene	U		0.127	0.500	1	11/04/2023 08:50	WG2164397	
Carbon disulfide	U	UJ	0.0962	0.500	1	11/04/2023 08:50	WG2164397	
Carbon tetrachloride	U		0.128	0.500	1	11/04/2023 08:50	WG2164397	
Chlorobenzene	U		0.117	0.500	1	11/04/2023 08:50	WG2164397	
Chlorodibromomethane	U		0.140	0.500	1	11/04/2023 08:50	WG2164397	
Chloroethane	U	UJ	0.192	2.50	1	11/04/2023 08:50	WG2164397	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~11/04/2023 08:50~~	WG2164397	R
Chloroform	U		0.111	0.500	1	11/04/2023 08:50	WG2164397	
Chloromethane	U	UJ	0.960	1.25	1	11/04/2023 08:50	WG2164397	
2-Chlorotoluene	U		0.106	0.500	1	11/04/2023 08:50	WG2164397	
4-Chlorotoluene	U		0.114	0.500	1	11/04/2023 08:50	WG2164397	
1,2-Dibromo-3-Chloropropane	U	UJ	0.276	2.50	1	11/04/2023 08:50	WG2164397	
1,2-Dibromoethane	U		0.126	0.500	1	11/04/2023 08:50	WG2164397	
Dibromomethane	U		0.122	0.500	1	11/04/2023 08:50	WG2164397	
1,2-Dichlorobenzene	U		0.107	0.500	1	11/04/2023 08:50	WG2164397	
1,3-Dichlorobenzene	U		0.299	0.500	1	11/04/2023 08:50	WG2164397	
1,4-Dichlorobenzene	U		0.120	0.500	1	11/04/2023 08:50	WG2164397	
Dichlorodifluoromethane	U		0.374	2.50	1	11/04/2023 08:50	WG2164397	
1,1-Dichloroethane	U		0.100	0.500	1	11/04/2023 08:50	WG2164397	
1,2-Dichloroethane	U		0.0819	0.500	1	11/04/2023 08:50	WG2164397	
1,1-Dichloroethene	U		0.188	0.500	1	11/04/2023 08:50	WG2164397	
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/04/2023 08:50	WG2164397	
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/04/2023 08:50	WG2164397	
1,2-Dichloropropane	U		0.149	0.500	1	11/04/2023 08:50	WG2164397	
1,1-Dichloropropene	U		0.142	0.500	1	11/04/2023 08:50	WG2164397	
1,3-Dichloropropane	U		0.109	1.00	1	11/04/2023 08:50	WG2164397	
cis-1,3-Dichloropropene	U	UJ	0.111	0.500	1	11/04/2023 08:50	WG2164397	
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/04/2023 08:50	WG2164397	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/04/2023 08:50	WG2164397	
2,2-Dichloropropane	U		0.161	0.500	1	11/04/2023 08:50	WG2164397	
Di-isopropyl ether	U		0.105	0.500	1	11/04/2023 08:50	WG2164397	
Ethylbenzene	U		0.137	0.500	1	11/04/2023 08:50	WG2164397	
Hexachloro-1,3-butadiene	U	UJ	0.337	1.00	1	11/04/2023 08:50	WG2164397	
2-Hexanone	U	UJ	0.787	5.00	1	11/04/2023 08:50	WG2164397	
n-Hexane	U		0.749	5.00	1	11/04/2023 08:50	WG2164397	
Iodomethane	U		0.554	5.00	1	11/04/2023 08:50	WG2164397	
Isopropylbenzene	U		0.105	0.500	1	11/04/2023 08:50	WG2164397	
p-Isopropyltoluene	U		0.120	0.500	1	11/04/2023 08:50	WG2164397	
2-Butanone (MEK)	U	UJ	~~C3 J3~~ 1.19	5.00	1	11/04/2023 08:50	WG2164397	

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	11/04/2023 08:50	WG2164397
4-Methyl-2-pentanone (MIBK)	U	UJ	0.478	5.00	1	11/04/2023 08:50	WG2164397
Methyl tert-butyl ether	U		0.101	0.500	1	11/04/2023 08:50	WG2164397
Naphthalene	U	UJ	0.174	2.50	1	11/04/2023 08:50	WG2164397
n-Propylbenzene	U		0.0993	0.500	1	11/04/2023 08:50	WG2164397
Styrene	U	UJ	0.118	0.500	1	11/04/2023 08:50	WG2164397
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	11/04/2023 08:50	WG2164397
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/04/2023 08:50	WG2164397
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/04/2023 08:50	WG2164397
Tetrachloroethene	U		0.300	0.500	1	11/04/2023 08:50	WG2164397
Toluene	U		0.278	0.500	1	11/04/2023 08:50	WG2164397
1,2,3-Trichlorobenzene	U	UJ	0.164	0.500	1	11/04/2023 08:50	WG2164397
1,2,4-Trichlorobenzene	U	UJ	0.481	1.00	1	11/04/2023 08:50	WG2164397
1,1,1-Trichloroethane	U		0.149	0.500	1	11/04/2023 08:50	WG2164397
1,1,2-Trichloroethane	U		0.158	0.500	1	11/04/2023 08:50	WG2164397
Trichloroethene	U		0.190	0.500	1	11/04/2023 08:50	WG2164397
Trichlorofluoromethane	U		0.160	2.50	1	11/04/2023 08:50	WG2164397
1,2,3-Trichloropropane	U		0.237	2.50	1	11/04/2023 08:50	WG2164397
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/04/2023 08:50	WG2164397
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/04/2023 08:50	WG2164397
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/04/2023 08:50	WG2164397
Vinyl acetate	U	UJ	~~C3 J3~~	0.692	5.00	1	11/04/2023 08:50	WG2164397
Vinyl chloride	U		~~J4~~	0.234	0.500	1	11/04/2023 08:50	WG2164397
Xylenes, Total	U			0.174	1.50	1	11/04/2023 08:50	WG2164397
(S) Toluene-d8	*107*				*80.0-120*		*11/04/2023 08:50*	WG2164397
(S) 4-Bromofluorobenzene	*95.4*				*77.0-126*		*11/04/2023 08:50*	WG2164397
(S) 1,2-Dichloroethane-d4	*88.1*				*70.0-130*		*11/04/2023 08:50*	WG2164397

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	11/02/2023 00:33	WG2161005	
Atrazine	U		0.255	10.0	1	11/02/2023 00:33	WG2161005	
~~Benzaldehyde~~	~~U~~	~~J4~~	~~1.69~~	~~10.0~~	~~1~~	~~11/02/2023 00:33~~	WG2161005	R
Biphenyl	U		0.790	10.0	1	11/02/2023 00:33	WG2161005	
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/02/2023 00:33	WG2161005	
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/02/2023 00:33	WG2161005	
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/02/2023 00:33	WG2161005	
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/02/2023 00:33	WG2161005	
Caprolactam	U		0.309	10.0	1	11/02/2023 00:33	WG2161005	
Carbazole	U		0.111	10.0	1	11/02/2023 00:33	WG2161005	
4-Chloroaniline	U		0.234	5.00	1	11/02/2023 00:33	WG2161005	
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/02/2023 00:33	WG2161005	
3,3-Dichlorobenzidine	U		0.212	10.0	1	11/02/2023 00:33	WG2161005	
2,4-Dinitrotoluene	U		0.0983	10.0	1	11/02/2023 00:33	WG2161005	
2,6-Dinitrotoluene	U		0.250	5.00	1	11/02/2023 00:33	WG2161005	
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/02/2023 00:33	WG2161005	
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/02/2023 00:33	WG2161005	
Hexachloroethane	U		0.127	5.00	1	11/02/2023 00:33	WG2161005	
Isophorone	U		0.143	10.0	1	11/02/2023 00:33	WG2161005	
2-Nitroaniline	U	UJ	0.102	10.0	1	11/02/2023 00:33	WG2161005	
3-Nitroaniline	U		0.0869	5.00	1	11/02/2023 00:33	WG2161005	
4-Nitroaniline	U		0.0910	5.00	1	11/02/2023 00:33	WG2161005	
Nitrobenzene	U		0.297	10.0	1	11/02/2023 00:33	WG2161005	
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/02/2023 00:33	WG2161005	
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/02/2023 00:33	WG2161005	

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 UJ		0.765	3.00	1	11/02/2023 00:33	WG2161005
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/02/2023 00:33	WG2161005
Di-n-butyl phthalate	U		0.453	3.00	1	11/02/2023 00:33	WG2161005
Diethyl phthalate	U		0.287	3.00	1	11/02/2023 00:33	WG2161005
Dimethyl phthalate	U		0.260	3.00	1	11/02/2023 00:33	WG2161005
Di-n-octyl phthalate	U		0.932	3.00	1	11/02/2023 00:33	WG2161005
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/02/2023 00:33	WG2161005
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/02/2023 00:33	WG2161005
2-Chlorophenol	U		0.133	1.00	1	11/02/2023 00:33	WG2161005
2-Methylphenol	U		0.0929	1.00	1	11/02/2023 00:33	WG2161005
3&4-Methyl Phenol	U		0.168	1.00	1	11/02/2023 00:33	WG2161005
2,4-Dichlorophenol	U		0.102	5.00	1	11/02/2023 00:33	WG2161005
2,4-Dimethylphenol	U UJ		0.0636	10.0	1	11/02/2023 00:33	WG2161005
4,6-Dinitro-2-methylphenol	U UJ		1.12	10.0	1	11/02/2023 00:33	WG2161005
2,4-Dinitrophenol	U UJ		5.93	10.0	1	11/02/2023 00:33	WG2161005
2-Nitrophenol	U		0.117	10.0	1	11/02/2023 00:33	WG2161005
4-Nitrophenol	U UJ	~~J4~~	0.143	10.0	1	11/02/2023 00:33	WG2161005
Pentachlorophenol	U UJ		0.313	1.00	1	11/02/2023 00:33	WG2161005
Phenol	U UJ		4.33	10.0	1	11/02/2023 00:33	WG2161005
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/02/2023 00:33	WG2161005
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/02/2023 00:33	WG2161005
(S) 2-Fluorophenol	*31.8*			*10.0-120*		*11/02/2023 00:33*	WG2161005
(S) Phenol-d5	*18.6*			*10.0-120*		*11/02/2023 00:33*	WG2161005
(S) Nitrobenzene-d5	*61.2*			*10.0-127*		*11/02/2023 00:33*	WG2161005
(S) 2-Fluorobiphenyl	*56.9*			*10.0-130*		*11/02/2023 00:33*	WG2161005
(S) 2,4,6-Tribromophenol	*61.6*			*10.0-155*		*11/02/2023 00:33*	WG2161005
(S) p-Terphenyl-d14	*76.6*			*10.0-128*		*11/02/2023 00:33*	WG2161005

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	11/01/2023 02:39	WG2161001
Acenaphthene	U		0.0190	0.0500	1	11/01/2023 02:39	WG2161001
Acenaphthylene	U		0.0171	0.0500	1	11/01/2023 02:39	WG2161001
Benzo(a)anthracene	U		0.0203	0.0500	1	11/01/2023 02:39	WG2161001
Benzo(a)pyrene	U		0.0184	0.0500	1	11/01/2023 02:39	WG2161001
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/01/2023 02:39	WG2161001
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/01/2023 02:39	WG2161001
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/01/2023 02:39	WG2161001
Chrysene	U		0.0179	0.0500	1	11/01/2023 02:39	WG2161001
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/01/2023 02:39	WG2161001
Dibenzofuran	U		0.0191	0.0500	1	11/01/2023 02:39	WG2161001
Fluoranthene	U		0.0270	0.100	1	11/01/2023 02:39	WG2161001
Fluorene	U		0.0169	0.0500	1	11/01/2023 02:39	WG2161001
Hexachlorobenzene	U		0.00670	0.0500	1	11/01/2023 02:39	WG2161001
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/01/2023 02:39	WG2161001
Naphthalene	U		0.0917	0.250	1	11/01/2023 02:39	WG2161001
Phenanthrene	~~0.0192~~	~~B J~~	0.0180	0.0500 UB	1	11/01/2023 02:39	WG2161001
Pyrene	U		0.0169	0.0500	1	11/01/2023 02:39	WG2161001
1-Methylnaphthalene	U		0.0687	0.250	1	11/01/2023 02:39	WG2161001
2-Methylnaphthalene	U		0.0674	0.250	1	11/01/2023 02:39	WG2161001
2-Chloronaphthalene	U		0.0682	0.250	1	11/01/2023 02:39	WG2161001
(S) Nitrobenzene-d5	*98.4*			*31.0-160*		*11/01/2023 02:39*	WG2161001
(S) 2-Fluorobiphenyl	*102*			*48.0-148*		*11/01/2023 02:39*	WG2161001
(S) p-Terphenyl-d14	*98.4*			*37.0-146*		*11/01/2023 02:39*	WG2161001

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	11/07/2023 12:12	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 16:04	WG2160512	
Acetone	U UJ		11.3	25.0	1	11/02/2023 04:47	WG2162809	
Acrylonitrile	U		0.671	5.00	1	11/02/2023 04:47	WG2162809	
Benzene	U		0.0941	0.500	1	11/02/2023 04:47	WG2162809	
Bromobenzene	U		0.118	0.500	1	11/02/2023 04:47	WG2162809	
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 04:47	WG2162809	
Bromochloromethane	U		0.128	0.500	1	11/02/2023 04:47	WG2162809	
Bromoform	U		0.129	0.500	1	11/02/2023 04:47	WG2162809	
Bromomethane	U UJ	C3	0.605	2.50	1	11/02/2023 04:47	WG2162809	
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 04:47	WG2162809	
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 04:47	WG2162809	
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 04:47	WG2162809	
Carbon disulfide	U UJ	C3	0.0962	0.500	1	11/02/2023 04:47	WG2162809	
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 04:47	WG2162809	
Chlorobenzene	U		0.117	0.500	1	11/02/2023 04:47	WG2162809	
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 04:47	WG2162809	
Chloroethane	U UJ	C3	0.192	2.50	1	11/02/2023 04:47	WG2162809	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~11/02/2023 04:47~~	WG2162809	R
Chloroform	U		0.111	0.500	1	11/02/2023 04:47	WG2162809	
Chloromethane	U		0.960	1.25	1	11/02/2023 04:47	WG2162809	
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 04:47	WG2162809	
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 04:47	WG2162809	
1,2-Dibromo-3-Chloropropane	U UJ		0.276	2.50	1	11/02/2023 04:47	WG2162809	
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 04:47	WG2162809	
Dibromomethane	U		0.122	0.500	1	11/02/2023 04:47	WG2162809	
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 04:47	WG2162809	
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 04:47	WG2162809	
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 04:47	WG2162809	
Dichlorodifluoromethane	U UJ		0.374	2.50	1	11/02/2023 04:47	WG2162809	
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 04:47	WG2162809	
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 04:47	WG2162809	
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 04:47	WG2162809	
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 04:47	WG2162809	
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 04:47	WG2162809	
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 04:47	WG2162809	
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 04:47	WG2162809	
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 04:47	WG2162809	
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 04:47	WG2162809	
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 04:47	WG2162809	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 04:47	WG2162809	
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 04:47	WG2162809	
Di-isopropyl ether	U UJ		0.105	0.500	1	11/02/2023 04:47	WG2162809	
Ethylbenzene	U		0.137	0.500	1	11/02/2023 04:47	WG2162809	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 04:47	WG2162809	
2-Hexanone	U		0.787	5.00	1	11/02/2023 04:47	WG2162809	
n-Hexane	U		0.749	5.00	1	11/02/2023 04:47	WG2162809	
Iodomethane	U UJ		0.554	5.00	1	11/02/2023 04:47	WG2162809	
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 04:47	WG2162809	
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 04:47	WG2162809	
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 04:47	WG2162809	

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	11/02/2023 04:47	WG2162809
4-Methyl-2-pentanone (MIBK)	U UJ		0.478	5.00	1	11/02/2023 04:47	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 04:47	WG2162809
Naphthalene	U UJ	~~C3~~	0.174	2.50	1	11/02/2023 04:47	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 04:47	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 04:47	WG2162809
1,1,1,2-Tetrachloroethane	U UJ	~~J4~~	0.147	0.500	1	11/02/2023 04:47	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 04:47	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 04:47	WG2162809
Tetrachloroethene	0.525		0.300	0.500	1	11/02/2023 04:47	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 04:47	WG2162809
1,2,3-Trichlorobenzene	U UJ	~~C3~~	0.164	0.500	1	11/02/2023 04:47	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 04:47	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 04:47	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 04:47	WG2162809
Trichloroethene	U UJ		0.190	0.500	1	11/02/2023 04:47	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 04:47	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 04:47	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 04:47	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 04:47	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 04:47	WG2162809
Vinyl acetate	U UJ	~~C3~~	0.692	5.00	1	11/02/2023 04:47	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 04:47	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 04:47	WG2162809
(S) Toluene-d8	*105*			*80.0-120*		*11/02/2023 04:47*	WG2162809
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*11/02/2023 04:47*	WG2162809
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*11/02/2023 04:47*	WG2162809

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	0.0779	J	0.0447	0.400	1	11/02/2023 02:13	WG2160135
(S) Nitrobenzene-d5	*78.8*			*10.0-120*		*11/02/2023 02:13*	WG2160135

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	11/03/2023 04:18	WG2161902	
Atrazine	U		0.255	10.0	1	11/03/2023 04:18	WG2161902	
~~Benzaldehyde~~	~~U~~	~~J4~~	~~1.69~~	~~10.0~~	~~1~~	11/03/2023 04:18	WG2161902	R
Biphenyl	U		0.790	10.0	1	11/03/2023 04:18	WG2161902	
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/03/2023 04:18	WG2161902	
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/03/2023 04:18	WG2161902	
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/03/2023 04:18	WG2161902	
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/03/2023 04:18	WG2161902	
Caprolactam	5.58	J	0.309	10.0	1	11/03/2023 04:18	WG2161902	
Carbazole	U		0.111	10.0	1	11/03/2023 04:18	WG2161902	
4-Chloroaniline	U		0.234	5.00	1	11/03/2023 04:18	WG2161902	
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/03/2023 04:18	WG2161902	
3,3-Dichlorobenzidine	U UJ	~~J4~~	0.212	10.0	1	11/03/2023 04:18	WG2161902	
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/03/2023 04:18	WG2161902	
2,6-Dinitrotoluene	U		0.250	5.00	1	11/03/2023 04:18	WG2161902	
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/03/2023 04:18	WG2161902	
Hexachlorocyclopentadiene	U UJ		0.0598	5.00	1	11/03/2023 04:18	WG2161902	
Hexachloroethane	U		0.127	5.00	1	11/03/2023 04:18	WG2161902	

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	11/03/2023 04:18	WG2161902
2-Nitroaniline	U		0.102	10.0	1	11/03/2023 04:18	WG2161902
3-Nitroaniline	U		0.0869	5.00	1	11/03/2023 04:18	WG2161902
4-Nitroaniline	U		0.0910	5.00	1	11/03/2023 04:18	WG2161902
Nitrobenzene	U		0.297	10.0	1	11/03/2023 04:18	WG2161902
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/03/2023 04:18	WG2161902
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/03/2023 04:18	WG2161902
Benzylbutyl phthalate	U		0.765	3.00	1	11/03/2023 04:18	WG2161902
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/03/2023 04:18	WG2161902
Di-n-butyl phthalate	U		0.453	3.00	1	11/03/2023 04:18	WG2161902
Diethyl phthalate	U		0.287	3.00	1	11/03/2023 04:18	WG2161902
Dimethyl phthalate	U		0.260	3.00	1	11/03/2023 04:18	WG2161902
Di-n-octyl phthalate	U		0.932	3.00	1	11/03/2023 04:18	WG2161902
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/03/2023 04:18	WG2161902
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/03/2023 04:18	WG2161902
2-Chlorophenol	U		0.133	1.00	1	11/03/2023 04:18	WG2161902
2-Methylphenol	U		0.0929	1.00	1	11/03/2023 04:18	WG2161902
3&4-Methyl Phenol	U		0.168	1.00	1	11/03/2023 04:18	WG2161902
2,4-Dichlorophenol	U		0.102	5.00	1	11/03/2023 04:18	WG2161902
2,4-Dimethylphenol	~~0.606~~	~~B J~~	0.0636	10.0 UBJ	1	11/03/2023 04:18	WG2161902
4,6-Dinitro-2-methylphenol	U UJ		1.12	10.0	1	11/03/2023 04:18	WG2161902
2,4-Dinitrophenol	U UJ		5.93	10.0	1	11/03/2023 04:18	WG2161902
2-Nitrophenol	U		0.117	10.0	1	11/03/2023 04:18	WG2161902
4-Nitrophenol	U		0.143	10.0	1	11/03/2023 04:18	WG2161902
Pentachlorophenol	U UJ		0.313	1.00	1	11/03/2023 04:18	WG2161902
Phenol	U		4.33	10.0	1	11/03/2023 04:18	WG2161902
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/03/2023 04:18	WG2161902
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/03/2023 04:18	WG2161902
(S) 2-Fluorophenol	*18.7*			*10.0-120*		*11/03/2023 04:18*	WG2161902
(S) Phenol-d5	*13.9*			*10.0-120*		*11/03/2023 04:18*	WG2161902
(S) Nitrobenzene-d5	*54.5*			*10.0-127*		*11/03/2023 04:18*	WG2161902
(S) 2-Fluorobiphenyl	*53.7*			*10.0-130*		*11/03/2023 04:18*	WG2161902
(S) 2,4,6-Tribromophenol	*39.1*			*10.0-155*		*11/03/2023 04:18*	WG2161902
(S) p-Terphenyl-d14	*55.0*			*10.0-128*		*11/03/2023 04:18*	WG2161902

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	11/02/2023 01:56	WG2161926
Acenaphthene	U		0.0190	0.0500	1	11/02/2023 01:56	WG2161926
Acenaphthylene	U		0.0171	0.0500	1	11/02/2023 01:56	WG2161926
Benzo(a)anthracene	U		0.0203	0.0500	1	11/02/2023 01:56	WG2161926
Benzo(a)pyrene	U		0.0184	0.0500	1	11/02/2023 01:56	WG2161926
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/02/2023 01:56	WG2161926
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/02/2023 01:56	WG2161926
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/02/2023 01:56	WG2161926
Chrysene	U		0.0179	0.0500	1	11/02/2023 01:56	WG2161926
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/02/2023 01:56	WG2161926
Dibenzofuran	U		0.0191	0.0500	1	11/02/2023 01:56	WG2161926
Fluoranthene	U		0.0270	0.100	1	11/02/2023 01:56	WG2161926
Fluorene	U		0.0169	0.0500	1	11/02/2023 01:56	WG2161926
Hexachlorobenzene	U		0.00670	0.0500	1	11/02/2023 01:56	WG2161926
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/02/2023 01:56	WG2161926
Naphthalene	U		0.0917	0.250	1	11/02/2023 01:56	WG2161926
Phenanthrene	U		0.0180	0.0500	1	11/02/2023 01:56	WG2161926
Pyrene	U		0.0169	0.0500	1	11/02/2023 01:56	WG2161926

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	11/02/2023 01:56	WG2161926
2-Methylnaphthalene	U		0.0674	0.250	1	11/02/2023 01:56	WG2161926
2-Chloronaphthalene	U		0.0682	0.250	1	11/02/2023 01:56	WG2161926
(S) Nitrobenzene-d5	*71.0*			*31.0-160*		*11/02/2023 01:56*	WG2161926
(S) 2-Fluorobiphenyl	*66.0*			*48.0-148*		*11/02/2023 01:56*	WG2161926
(S) p-Terphenyl-d14	*62.5*			*37.0-146*		*11/02/2023 01:56*	WG2161926

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	11/07/2023 10:29	WG2162517

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	11/02/2023 11:02	WG2163024	
Acetone	U UJ		11.3	25.0	1	11/02/2023 05:06	WG2162809	
Acrylonitrile	U		0.671	5.00	1	11/02/2023 05:06	WG2162809	
Benzene	U		0.0941	0.500	1	11/02/2023 05:06	WG2162809	
Bromobenzene	U		0.118	0.500	1	11/02/2023 05:06	WG2162809	
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 05:06	WG2162809	
Bromochloromethane	U		0.128	0.500	1	11/02/2023 05:06	WG2162809	
Bromoform	U		0.129	0.500	1	11/02/2023 05:06	WG2162809	
Bromomethane	U UJ	~~C3~~	0.605	2.50	1	11/02/2023 05:06	WG2162809	
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 05:06	WG2162809	
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 05:06	WG2162809	
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 05:06	WG2162809	
Carbon disulfide	U UJ	~~C3~~	0.0962	0.500	1	11/02/2023 05:06	WG2162809	
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 05:06	WG2162809	
Chlorobenzene	U		0.117	0.500	1	11/02/2023 05:06	WG2162809	
Chlorodibromomethane	U	~~J4~~	0.140	0.500	1	11/02/2023 05:06	WG2162809	
Chloroethane	U UJ	~~C3~~	0.192	2.50	1	11/02/2023 05:06	WG2162809	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~11/02/2023 05:06~~	WG2162809	R
Chloroform	~~0.326~~	~~J~~	0.111	0.500 UB	1	11/02/2023 05:06	WG2162809	
Chloromethane	U		0.960	1.25	1	11/02/2023 05:06	WG2162809	
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 05:06	WG2162809	
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 05:06	WG2162809	
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	11/02/2023 05:06	WG2162809	
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 05:06	WG2162809	
Dibromomethane	U		0.122	0.500	1	11/02/2023 05:06	WG2162809	
1,2-Dichlorobenzene	U	~~J4~~	0.107	0.500	1	11/02/2023 05:06	WG2162809	
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 05:06	WG2162809	
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 05:06	WG2162809	
Dichlorodifluoromethane	U UJ		0.374	2.50	1	11/02/2023 05:06	WG2162809	
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 05:06	WG2162809	
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 05:06	WG2162809	
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 05:06	WG2162809	
cis-1,2-Dichloroethene	0.262	J	0.126	0.500	1	11/02/2023 05:06	WG2162809	
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 05:06	WG2162809	
1,2-Dichloropropane	0.175	J	0.149	0.500	1	11/02/2023 05:06	WG2162809	
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 05:06	WG2162809	
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 05:06	WG2162809	
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 05:06	WG2162809	
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 05:06	WG2162809	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 05:06	WG2162809	
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 05:06	WG2162809	
Di-isopropyl ether	U UJ		0.105	0.500	1	11/02/2023 05:06	WG2162809	
Ethylbenzene	U		0.137	0.500	1	11/02/2023 05:06	WG2162809	
Hexachloro-1,3-butadiene	3.34		0.337	1.00	1	11/02/2023 05:06	WG2162809	
2-Hexanone	U		0.787	5.00	1	11/02/2023 05:06	WG2162809	
n-Hexane	U		0.749	5.00	1	11/02/2023 05:06	WG2162809	
Iodomethane	U UJ		0.554	5.00	1	11/02/2023 05:06	WG2162809	
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 05:06	WG2162809	
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 05:06	WG2162809	
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 05:06	WG2162809	

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	11/02/2023 05:06	WG2162809
4-Methyl-2-pentanone (MIBK)	U UJ		0.478	5.00	1	11/02/2023 05:06	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 05:06	WG2162809
Naphthalene	U UJ	~~C3~~	0.174	2.50	1	11/02/2023 05:06	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 05:06	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 05:06	WG2162809
1,1,1,2-Tetrachloroethane	U UJ	~~J4~~	0.147	0.500	1	11/02/2023 05:06	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 05:06	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 05:06	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 05:06	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 05:06	WG2162809
1,2,3-Trichlorobenzene	U UJ	~~C3~~	0.164	0.500	1	11/02/2023 05:06	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 05:06	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 05:06	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 05:06	WG2162809
Trichloroethene	5.24 J		0.190	0.500	1	11/02/2023 05:06	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 05:06	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 05:06	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 05:06	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 05:06	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 05:06	WG2162809
Vinyl acetate	U UJ	~~C3~~	0.692	5.00	1	11/02/2023 05:06	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 05:06	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 05:06	WG2162809
(S) Toluene-d8	*108*			*80.0-120*		*11/02/2023 05:06*	WG2162809
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*11/02/2023 05:06*	WG2162809
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*11/02/2023 05:06*	WG2162809

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	1.85		0.0447	0.400	1	11/01/2023 23:02	WG2160135
(S) Nitrobenzene-d5	*59.7*			*10.0-120*		*11/01/2023 23:02*	WG2160135

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	11/03/2023 04:39	WG2161902
Atrazine	U UJ	~~J3~~	0.255	10.0	1	11/03/2023 04:39	WG2161902
Benzaldehyde	U UJ	~~J4 J5~~	1.69	10.0	1	11/03/2023 04:39	WG2161902
Biphenyl	U UJ	~~J3~~	0.790	10.0	1	11/03/2023 04:39	WG2161902
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/03/2023 04:39	WG2161902
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/03/2023 04:39	WG2161902
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/03/2023 04:39	WG2161902
4-Bromophenyl-phenylether	U UJ	~~J3~~	0.0877	10.0	1	11/03/2023 04:39	WG2161902
Caprolactam	U		0.309	10.0	1	11/03/2023 04:39	WG2161902
Carbazole	U	~~J3~~	0.111	10.0	1	11/03/2023 04:39	WG2161902
4-Chloroaniline	U UJ	~~J3~~	0.234	5.00	1	11/03/2023 04:39	WG2161902
4-Chlorophenyl-phenylether	U	~~J3~~	0.0926	10.0	1	11/03/2023 04:39	WG2161902
3,3-Dichlorobenzidine	U	~~J3 J4~~	0.212	10.0	1	11/03/2023 04:39	WG2161902
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/03/2023 04:39	WG2161902
2,6-Dinitrotoluene	U		0.250	5.00	1	11/03/2023 04:39	WG2161902
Hexachloro-1,3-butadiene	1.47	J	0.0968	10.0	1	11/03/2023 04:39	WG2161902
Hexachlorocyclopentadiene	U UJ	~~J3~~	0.0598	5.00	1	11/03/2023 04:39	WG2161902
Hexachloroethane	U		0.127	5.00	1	11/03/2023 04:39	WG2161902

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	11/03/2023 04:39	WG2161902
2-Nitroaniline	U		0.102	10.0	1	11/03/2023 04:39	WG2161902
3-Nitroaniline	U	~~J3~~	0.0869	5.00	1	11/03/2023 04:39	WG2161902
4-Nitroaniline	U	~~J3~~	0.0910	5.00	1	11/03/2023 04:39	WG2161902
Nitrobenzene	U		0.297	10.0	1	11/03/2023 04:39	WG2161902
n-Nitrosodiphenylamine	U	~~J3~~	2.37	10.0	1	11/03/2023 04:39	WG2161902
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/03/2023 04:39	WG2161902
Benzylbutyl phthalate	U	~~J3~~	0.765	3.00	1	11/03/2023 04:39	WG2161902
Bis(2-ethylhexyl)phthalate	U	~~J3 J6~~	0.895	3.00	1	11/03/2023 04:39	WG2161902
Di-n-butyl phthalate	U	~~J3~~	0.453	3.00	1	11/03/2023 04:39	WG2161902
Diethyl phthalate	U	~~J3~~	0.287	3.00	1	11/03/2023 04:39	WG2161902
Dimethyl phthalate	U	~~J3~~	0.260	3.00	1	11/03/2023 04:39	WG2161902
Di-n-octyl phthalate	U	~~J3~~	0.932	3.00	1	11/03/2023 04:39	WG2161902
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/03/2023 04:39	WG2161902
4-Chloro-3-methylphenol	U	~~J3~~	0.131	1.00	1	11/03/2023 04:39	WG2161902
2-Chlorophenol	U	~~J3~~	0.133	1.00	1	11/03/2023 04:39	WG2161902
2-Methylphenol	U	~~J3~~	0.0929	1.00	1	11/03/2023 04:39	WG2161902
3&4-Methyl Phenol	U	~~J3~~	0.168	1.00	1	11/03/2023 04:39	WG2161902
2,4-Dichlorophenol	U	~~J3~~	0.102	5.00	1	11/03/2023 04:39	WG2161902
2,4-Dimethylphenol	~~0.0676~~	~~B J J3~~	0.0636	10.0 UBJ	1	11/03/2023 04:39	WG2161902
4,6-Dinitro-2-methylphenol	U	~~J3~~	1.12	10.0	1	11/03/2023 04:39	WG2161902
2,4-Dinitrophenol	U	~~J3~~	5.93	10.0	1	11/03/2023 04:39	WG2161902
2-Nitrophenol	U	~~J3~~	0.117	10.0	1	11/03/2023 04:39	WG2161902
4-Nitrophenol	U		0.143	10.0	1	11/03/2023 04:39	WG2161902
Pentachlorophenol	U	~~J3~~	0.313	1.00	1	11/03/2023 04:39	WG2161902
Phenol	U		4.33	10.0	1	11/03/2023 04:39	WG2161902
2,4,5-Trichlorophenol	U	~~J3~~	0.109	1.00	1	11/03/2023 04:39	WG2161902
2,4,6-Trichlorophenol	U	~~J3~~	0.100	1.00	1	11/03/2023 04:39	WG2161902
(S) 2-Fluorophenol	*18.8*			*10.0-120*		*11/03/2023 04:39*	WG2161902
(S) Phenol-d5	*15.1*			*10.0-120*		*11/03/2023 04:39*	WG2161902
(S) Nitrobenzene-d5	*57.1*			*10.0-127*		*11/03/2023 04:39*	WG2161902
(S) 2-Fluorobiphenyl	*56.0*			*10.0-130*		*11/03/2023 04:39*	WG2161902
(S) 2,4,6-Tribromophenol	*30.2*			*10.0-155*		*11/03/2023 04:39*	WG2161902
(S) p-Terphenyl-d14	*56.7*			*10.0-128*		*11/03/2023 04:39*	WG2161902

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	11/02/2023 02:13	WG2161926
Acenaphthene	U	~~J3~~	0.0190	0.0500	1	11/02/2023 02:13	WG2161926
Acenaphthylene	U	~~J3~~	0.0171	0.0500	1	11/02/2023 02:13	WG2161926
Benzo(a)anthracene	U	~~J3~~	0.0203	0.0500	1	11/02/2023 02:13	WG2161926
Benzo(a)pyrene	U	~~J3~~	0.0184	0.0500	1	11/02/2023 02:13	WG2161926
Benzo(b)fluoranthene	U	~~J3~~	0.0168	0.0500	1	11/02/2023 02:13	WG2161926
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/02/2023 02:13	WG2161926
Benzo(k)fluoranthene	U	~~J3~~	0.0202	0.0500	1	11/02/2023 02:13	WG2161926
Chrysene	U	~~J3~~	0.0179	0.0500	1	11/02/2023 02:13	WG2161926
Dibenz(a,h)anthracene	U	~~J3~~	0.0160	0.0500	1	11/02/2023 02:13	WG2161926
Dibenzofuran	U	~~J3~~	0.0191	0.0500	1	11/02/2023 02:13	WG2161926
Fluoranthene	U	~~J3~~	0.0270	0.100	1	11/02/2023 02:13	WG2161926
Fluorene	U	~~J3~~	0.0169	0.0500	1	11/02/2023 02:13	WG2161926
Hexachlorobenzene	U	~~J3~~	0.00670	0.0500	1	11/02/2023 02:13	WG2161926
Indeno(1,2,3-cd)pyrene	U	~~J3~~	0.0158	0.0500	1	11/02/2023 02:13	WG2161926
Naphthalene	U	~~J3~~	0.0917	0.250	1	11/02/2023 02:13	WG2161926
Phenanthrene	U	~~J3~~	0.0180	0.0500	1	11/02/2023 02:13	WG2161926
Pyrene	U	~~J3~~	0.0169	0.0500	1	11/02/2023 02:13	WG2161926

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
1-Methylnaphthalene	U	~~J3~~	0.0687	0.250	1	11/02/2023 02:13	WG2161926
2-Methylnaphthalene	U	~~J3~~	0.0674	0.250	1	11/02/2023 02:13	WG2161926
2-Chloronaphthalene	U	~~J3~~	0.0682	0.250	1	11/02/2023 02:13	WG2161926
(S) Nitrobenzene-d5	*70.5*			*31.0-160*		*11/02/2023 02:13*	WG2161926
(S) 2-Fluorobiphenyl	*68.5*			*48.0-148*		*11/02/2023 02:13*	WG2161926
(S) p-Terphenyl-d14	*67.0*			*37.0-146*		*11/02/2023 02:13*	WG2161926

UJ

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	11/07/2023 12:15	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 16:52	WG2160512	
Acetone	U UJ		11.3	25.0	1	11/02/2023 05:25	WG2162809	
Acrylonitrile	U		0.671	5.00	1	11/02/2023 05:25	WG2162809	
Benzene	U		0.0941	0.500	1	11/02/2023 05:25	WG2162809	
Bromobenzene	U		0.118	0.500	1	11/02/2023 05:25	WG2162809	
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 05:25	WG2162809	
Bromochloromethane	U		0.128	0.500	1	11/02/2023 05:25	WG2162809	
Bromoform	U		0.129	0.500	1	11/02/2023 05:25	WG2162809	
Bromomethane	U UJ	C3	0.605	2.50	1	11/02/2023 05:25	WG2162809	
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 05:25	WG2162809	
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 05:25	WG2162809	
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 05:25	WG2162809	
Carbon disulfide	U UJ	C3	0.0962	0.500	1	11/02/2023 05:25	WG2162809	
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 05:25	WG2162809	
Chlorobenzene	U		0.117	0.500	1	11/02/2023 05:25	WG2162809	
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 05:25	WG2162809	
Chloroethane	U UJ	C3	0.192	2.50	1	11/02/2023 05:25	WG2162809	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~11/02/2023 05:25~~	WG2162809	R
Chloroform	U		0.111	0.500	1	11/02/2023 05:25	WG2162809	
Chloromethane	U		0.960	1.25	1	11/02/2023 05:25	WG2162809	
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 05:25	WG2162809	
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 05:25	WG2162809	
1,2-Dibromo-3-Chloropropane	U UJ		0.276	2.50	1	11/02/2023 05:25	WG2162809	
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 05:25	WG2162809	
Dibromomethane	U		0.122	0.500	1	11/02/2023 05:25	WG2162809	
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 05:25	WG2162809	
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 05:25	WG2162809	
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 05:25	WG2162809	
Dichlorodifluoromethane	U UJ		0.374	2.50	1	11/02/2023 05:25	WG2162809	
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 05:25	WG2162809	
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 05:25	WG2162809	
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 05:25	WG2162809	
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 05:25	WG2162809	
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 05:25	WG2162809	
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 05:25	WG2162809	
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 05:25	WG2162809	
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 05:25	WG2162809	
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 05:25	WG2162809	
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 05:25	WG2162809	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 05:25	WG2162809	
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 05:25	WG2162809	
Di-isopropyl ether	U UJ		0.105	0.500	1	11/02/2023 05:25	WG2162809	
Ethylbenzene	U		0.137	0.500	1	11/02/2023 05:25	WG2162809	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 05:25	WG2162809	
2-Hexanone	U		0.787	5.00	1	11/02/2023 05:25	WG2162809	
n-Hexane	U		0.749	5.00	1	11/02/2023 05:25	WG2162809	
Iodomethane	U UJ		0.554	5.00	1	11/02/2023 05:25	WG2162809	
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 05:25	WG2162809	
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 05:25	WG2162809	
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 05:25	WG2162809	

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	11/02/2023 05:25	WG2162809
4-Methyl-2-pentanone (MIBK)	U UJ		0.478	5.00	1	11/02/2023 05:25	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 05:25	WG2162809
Naphthalene	U UJ	~~C3~~	0.174	2.50	1	11/02/2023 05:25	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 05:25	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 05:25	WG2162809
1,1,1,2-Tetrachloroethane	U UJ	~~J4~~	0.147	0.500	1	11/02/2023 05:25	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 05:25	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 05:25	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 05:25	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 05:25	WG2162809
1,2,3-Trichlorobenzene	U UJ	~~C3~~	0.164	0.500	1	11/02/2023 05:25	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 05:25	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 05:25	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 05:25	WG2162809
Trichloroethene	0.238 J	~~J~~	0.190	0.500	1	11/02/2023 05:25	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 05:25	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 05:25	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 05:25	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 05:25	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 05:25	WG2162809
Vinyl acetate	U UJ	~~C3~~	0.692	5.00	1	11/02/2023 05:25	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 05:25	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 05:25	WG2162809
(S) Toluene-d8	*106*			*80.0-120*		*11/02/2023 05:25*	WG2162809
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*11/02/2023 05:25*	WG2162809
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*11/02/2023 05:25*	WG2162809

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	11/03/2023 05:41	WG2161902
Atrazine	U		0.255	10.0	1	11/03/2023 05:41	WG2161902
Benzaldehyde	U UJ	~~J4~~	1.69	10.0	1	11/03/2023 05:41	WG2161902
Biphenyl	U		0.790	10.0	1	11/03/2023 05:41	WG2161902
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/03/2023 05:41	WG2161902
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/03/2023 05:41	WG2161902
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/03/2023 05:41	WG2161902
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/03/2023 05:41	WG2161902
Caprolactam	U		0.309	10.0	1	11/03/2023 05:41	WG2161902
Carbazole	U		0.111	10.0	1	11/03/2023 05:41	WG2161902
4-Chloroaniline	U		0.234	5.00	1	11/03/2023 05:41	WG2161902
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/03/2023 05:41	WG2161902
3,3-Dichlorobenzidine	U UJ	~~J4~~	0.212	10.0	1	11/03/2023 05:41	WG2161902
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/03/2023 05:41	WG2161902
2,6-Dinitrotoluene	U		0.250	5.00	1	11/03/2023 05:41	WG2161902
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/03/2023 05:41	WG2161902
Hexachlorocyclopentadiene	U UJ		0.0598	5.00	1	11/03/2023 05:41	WG2161902
Hexachloroethane	U		0.127	5.00	1	11/03/2023 05:41	WG2161902
Isophorone	U		0.143	10.0	1	11/03/2023 05:41	WG2161902
2-Nitroaniline	U		0.102	10.0	1	11/03/2023 05:41	WG2161902
3-Nitroaniline	U		0.0869	5.00	1	11/03/2023 05:41	WG2161902
4-Nitroaniline	U		0.0910	5.00	1	11/03/2023 05:41	WG2161902
Nitrobenzene	U		0.297	10.0	1	11/03/2023 05:41	WG2161902
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/03/2023 05:41	WG2161902
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/03/2023 05:41	WG2161902

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	11/03/2023 05:41	WG2161902
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/03/2023 05:41	WG2161902
Di-n-butyl phthalate	U		0.453	3.00	1	11/03/2023 05:41	WG2161902
Diethyl phthalate	U		0.287	3.00	1	11/03/2023 05:41	WG2161902
Dimethyl phthalate	U		0.260	3.00	1	11/03/2023 05:41	WG2161902
Di-n-octyl phthalate	U		0.932	3.00	1	11/03/2023 05:41	WG2161902
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/03/2023 05:41	WG2161902
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/03/2023 05:41	WG2161902
2-Chlorophenol	U		0.133	1.00	1	11/03/2023 05:41	WG2161902
2-Methylphenol	U		0.0929	1.00	1	11/03/2023 05:41	WG2161902
3&4-Methyl Phenol	U		0.168	1.00	1	11/03/2023 05:41	WG2161902
2,4-Dichlorophenol	U		0.102	5.00	1	11/03/2023 05:41	WG2161902
2,4-Dimethylphenol	~~0.159~~	~~B J~~	0.0636	10.0	UBJ 1	11/03/2023 05:41	WG2161902
4,6-Dinitro-2-methylphenol	U	UJ	1.12	10.0	1	11/03/2023 05:41	WG2161902
2,4-Dinitrophenol	U	UJ	5.93	10.0	1	11/03/2023 05:41	WG2161902
2-Nitrophenol	U		0.117	10.0	1	11/03/2023 05:41	WG2161902
4-Nitrophenol	U		0.143	10.0	1	11/03/2023 05:41	WG2161902
Pentachlorophenol	U	UJ	0.313	1.00	1	11/03/2023 05:41	WG2161902
Phenol	U		4.33	10.0	1	11/03/2023 05:41	WG2161902
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/03/2023 05:41	WG2161902
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/03/2023 05:41	WG2161902
(S) 2-Fluorophenol	*28.5*			*10.0-120*		*11/03/2023 05:41*	WG2161902
(S) Phenol-d5	*20.3*			*10.0-120*		*11/03/2023 05:41*	WG2161902
(S) Nitrobenzene-d5	*65.5*			*10.0-127*		*11/03/2023 05:41*	WG2161902
(S) 2-Fluorobiphenyl	*66.0*			*10.0-130*		*11/03/2023 05:41*	WG2161902
(S) 2,4,6-Tribromophenol	*64.5*			*10.0-155*		*11/03/2023 05:41*	WG2161902
(S) p-Terphenyl-d14	*76.9*			*10.0-128*		*11/03/2023 05:41*	WG2161902

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	11/02/2023 03:06	WG2161926
Acenaphthene	U		0.0190	0.0500	1	11/02/2023 03:06	WG2161926
Acenaphthylene	U		0.0171	0.0500	1	11/02/2023 03:06	WG2161926
Benzo(a)anthracene	U		0.0203	0.0500	1	11/02/2023 03:06	WG2161926
Benzo(a)pyrene	U		0.0184	0.0500	1	11/02/2023 03:06	WG2161926
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/02/2023 03:06	WG2161926
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/02/2023 03:06	WG2161926
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/02/2023 03:06	WG2161926
Chrysene	U		0.0179	0.0500	1	11/02/2023 03:06	WG2161926
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/02/2023 03:06	WG2161926
Dibenzofuran	U		0.0191	0.0500	1	11/02/2023 03:06	WG2161926
Fluoranthene	U		0.0270	0.100	1	11/02/2023 03:06	WG2161926
Fluorene	U		0.0169	0.0500	1	11/02/2023 03:06	WG2161926
Hexachlorobenzene	U		0.00670	0.0500	1	11/02/2023 03:06	WG2161926
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/02/2023 03:06	WG2161926
Naphthalene	U		0.0917	0.250	1	11/02/2023 03:06	WG2161926
Phenanthrene	U		0.0180	0.0500	1	11/02/2023 03:06	WG2161926
Pyrene	U		0.0169	0.0500	1	11/02/2023 03:06	WG2161926
1-Methylnaphthalene	U		0.0687	0.250	1	11/02/2023 03:06	WG2161926
2-Methylnaphthalene	U		0.0674	0.250	1	11/02/2023 03:06	WG2161926
2-Chloronaphthalene	U		0.0682	0.250	1	11/02/2023 03:06	WG2161926
(S) Nitrobenzene-d5	*71.5*			*31.0-160*		*11/02/2023 03:06*	WG2161926
(S) 2-Fluorobiphenyl	*71.0*			*48.0-148*		*11/02/2023 03:06*	WG2161926
(S) p-Terphenyl-d14	*73.5*			*37.0-146*		*11/02/2023 03:06*	WG2161926

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	11/07/2023 12:19	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 17:16	WG2160512	
Acetone	U UJ		11.3	25.0	1	11/02/2023 05:44	WG2162809	
Acrylonitrile	U		0.671	5.00	1	11/02/2023 05:44	WG2162809	
Benzene	U		0.0941	0.500	1	11/02/2023 05:44	WG2162809	
Bromobenzene	U		0.118	0.500	1	11/02/2023 05:44	WG2162809	
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 05:44	WG2162809	
Bromochloromethane	U		0.128	0.500	1	11/02/2023 05:44	WG2162809	
Bromoform	U		0.129	0.500	1	11/02/2023 05:44	WG2162809	
Bromomethane	U UJ	C3	0.605	2.50	1	11/02/2023 05:44	WG2162809	
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 05:44	WG2162809	
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 05:44	WG2162809	
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 05:44	WG2162809	
Carbon disulfide	U UJ	C3	0.0962	0.500	1	11/02/2023 05:44	WG2162809	
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 05:44	WG2162809	
Chlorobenzene	U		0.117	0.500	1	11/02/2023 05:44	WG2162809	
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 05:44	WG2162809	
Chloroethane	U UJ	C3	0.192	2.50	1	11/02/2023 05:44	WG2162809	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~11/02/2023 05:44~~	WG2162809	R
Chloroform	~~0.157~~	J	0.111	0.500 UB	1	11/02/2023 05:44	WG2162809	
Chloromethane	U		0.960	1.25	1	11/02/2023 05:44	WG2162809	
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 05:44	WG2162809	
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 05:44	WG2162809	
1,2-Dibromo-3-Chloropropane	U UJ		0.276	2.50	1	11/02/2023 05:44	WG2162809	
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 05:44	WG2162809	
Dibromomethane	U		0.122	0.500	1	11/02/2023 05:44	WG2162809	
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 05:44	WG2162809	
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 05:44	WG2162809	
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 05:44	WG2162809	
Dichlorodifluoromethane	U UJ		0.374	2.50	1	11/02/2023 05:44	WG2162809	
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 05:44	WG2162809	
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 05:44	WG2162809	
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 05:44	WG2162809	
cis-1,2-Dichloroethene	2.29		0.126	0.500	1	11/02/2023 05:44	WG2162809	
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 05:44	WG2162809	
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 05:44	WG2162809	
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 05:44	WG2162809	
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 05:44	WG2162809	
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 05:44	WG2162809	
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 05:44	WG2162809	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 05:44	WG2162809	
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 05:44	WG2162809	
Di-isopropyl ether	U UJ		0.105	0.500	1	11/02/2023 05:44	WG2162809	
Ethylbenzene	U		0.137	0.500	1	11/02/2023 05:44	WG2162809	
Hexachloro-1,3-butadiene	0.631	J	0.337	1.00	1	11/02/2023 05:44	WG2162809	
2-Hexanone	U		0.787	5.00	1	11/02/2023 05:44	WG2162809	
n-Hexane	U		0.749	5.00	1	11/02/2023 05:44	WG2162809	
Iodomethane	U UJ		0.554	5.00	1	11/02/2023 05:44	WG2162809	
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 05:44	WG2162809	
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 05:44	WG2162809	
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 05:44	WG2162809	

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	11/02/2023 05:44	WG2162809
4-Methyl-2-pentanone (MIBK)	U UJ		0.478	5.00	1	11/02/2023 05:44	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 05:44	WG2162809
Naphthalene	U UJ	~~C3~~	0.174	2.50	1	11/02/2023 05:44	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 05:44	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 05:44	WG2162809
1,1,1,2-Tetrachloroethane	U UJ	~~J4~~	0.147	0.500	1	11/02/2023 05:44	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 05:44	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 05:44	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 05:44	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 05:44	WG2162809
1,2,3-Trichlorobenzene	U UJ	~~C3~~	0.164	0.500	1	11/02/2023 05:44	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 05:44	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 05:44	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 05:44	WG2162809
Trichloroethene	5.90 J		0.190	0.500	1	11/02/2023 05:44	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 05:44	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 05:44	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 05:44	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 05:44	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 05:44	WG2162809
Vinyl acetate	U UJ	~~C3~~	0.692	5.00	1	11/02/2023 05:44	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 05:44	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 05:44	WG2162809
(S) Toluene-d8	*105*			*80.0-120*		*11/02/2023 05:44*	WG2162809
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*11/02/2023 05:44*	WG2162809
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*11/02/2023 05:44*	WG2162809

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	11/03/2023 06:02	WG2161902
Atrazine	U		0.255	10.0	1	11/03/2023 06:02	WG2161902
Benzaldehyde	U UJ	~~J4~~	1.69	10.0	1	11/03/2023 06:02	WG2161902
Biphenyl	U		0.790	10.0	1	11/03/2023 06:02	WG2161902
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/03/2023 06:02	WG2161902
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/03/2023 06:02	WG2161902
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/03/2023 06:02	WG2161902
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/03/2023 06:02	WG2161902
Caprolactam	3.73	J	0.309	10.0	1	11/03/2023 06:02	WG2161902
Carbazole	U		0.111	10.0	1	11/03/2023 06:02	WG2161902
4-Chloroaniline	U		0.234	5.00	1	11/03/2023 06:02	WG2161902
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/03/2023 06:02	WG2161902
3,3-Dichlorobenzidine	U	~~J4~~	0.212	10.0	1	11/03/2023 06:02	WG2161902
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/03/2023 06:02	WG2161902
2,6-Dinitrotoluene	U		0.250	5.00	1	11/03/2023 06:02	WG2161902
Hexachloro-1,3-butadiene	0.323	J	0.0968	10.0	1	11/03/2023 06:02	WG2161902
Hexachlorocyclopentadiene	U UJ		0.0598	5.00	1	11/03/2023 06:02	WG2161902
Hexachloroethane	U		0.127	5.00	1	11/03/2023 06:02	WG2161902
Isophorone	U		0.143	10.0	1	11/03/2023 06:02	WG2161902
2-Nitroaniline	U		0.102	10.0	1	11/03/2023 06:02	WG2161902
3-Nitroaniline	U		0.0869	5.00	1	11/03/2023 06:02	WG2161902
4-Nitroaniline	U		0.0910	5.00	1	11/03/2023 06:02	WG2161902
Nitrobenzene	U		0.297	10.0	1	11/03/2023 06:02	WG2161902
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/03/2023 06:02	WG2161902
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/03/2023 06:02	WG2161902

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	11/03/2023 06:02	WG2161902
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/03/2023 06:02	WG2161902
Di-n-butyl phthalate	U		0.453	3.00	1	11/03/2023 06:02	WG2161902
Diethyl phthalate	U		0.287	3.00	1	11/03/2023 06:02	WG2161902
Dimethyl phthalate	U		0.260	3.00	1	11/03/2023 06:02	WG2161902
Di-n-octyl phthalate	U		0.932	3.00	1	11/03/2023 06:02	WG2161902
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/03/2023 06:02	WG2161902
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/03/2023 06:02	WG2161902
2-Chlorophenol	U		0.133	1.00	1	11/03/2023 06:02	WG2161902
2-Methylphenol	U		0.0929	1.00	1	11/03/2023 06:02	WG2161902
3&4-Methyl Phenol	U		0.168	1.00	1	11/03/2023 06:02	WG2161902
2,4-Dichlorophenol	U		0.102	5.00	1	11/03/2023 06:02	WG2161902
2,4-Dimethylphenol	~~0.239~~	~~B J~~	0.0636	10.0 UBJ	1	11/03/2023 06:02	WG2161902
4,6-Dinitro-2-methylphenol	U UJ		1.12	10.0	1	11/03/2023 06:02	WG2161902
2,4-Dinitrophenol	U UJ		5.93	10.0	1	11/03/2023 06:02	WG2161902
2-Nitrophenol	U		0.117	10.0	1	11/03/2023 06:02	WG2161902
4-Nitrophenol	U		0.143	10.0	1	11/03/2023 06:02	WG2161902
Pentachlorophenol	U UJ		0.313	1.00	1	11/03/2023 06:02	WG2161902
Phenol	U		4.33	10.0	1	11/03/2023 06:02	WG2161902
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/03/2023 06:02	WG2161902
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/03/2023 06:02	WG2161902
(S) 2-Fluorophenol	*20.4*			*10.0-120*		*11/03/2023 06:02*	WG2161902
(S) Phenol-d5	*15.9*			*10.0-120*		*11/03/2023 06:02*	WG2161902
(S) Nitrobenzene-d5	*55.6*			*10.0-127*		*11/03/2023 06:02*	WG2161902
(S) 2-Fluorobiphenyl	*50.8*			*10.0-130*		*11/03/2023 06:02*	WG2161902
(S) 2,4,6-Tribromophenol	*40.4*			*10.0-155*		*11/03/2023 06:02*	WG2161902
(S) p-Terphenyl-d14	*47.1*			*10.0-128*		*11/03/2023 06:02*	WG2161902

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	11/02/2023 03:24	WG2161926
Acenaphthene	U		0.0190	0.0500	1	11/02/2023 03:24	WG2161926
Acenaphthylene	U		0.0171	0.0500	1	11/02/2023 03:24	WG2161926
Benzo(a)anthracene	U		0.0203	0.0500	1	11/02/2023 03:24	WG2161926
Benzo(a)pyrene	U		0.0184	0.0500	1	11/02/2023 03:24	WG2161926
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/02/2023 03:24	WG2161926
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/02/2023 03:24	WG2161926
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/02/2023 03:24	WG2161926
Chrysene	U		0.0179	0.0500	1	11/02/2023 03:24	WG2161926
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/02/2023 03:24	WG2161926
Dibenzofuran	U		0.0191	0.0500	1	11/02/2023 03:24	WG2161926
Fluoranthene	U		0.0270	0.100	1	11/02/2023 03:24	WG2161926
Fluorene	U		0.0169	0.0500	1	11/02/2023 03:24	WG2161926
Hexachlorobenzene	U		0.00670	0.0500	1	11/02/2023 03:24	WG2161926
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/02/2023 03:24	WG2161926
Naphthalene	U		0.0917	0.250	1	11/02/2023 03:24	WG2161926
Phenanthrene	U		0.0180	0.0500	1	11/02/2023 03:24	WG2161926
Pyrene	U		0.0169	0.0500	1	11/02/2023 03:24	WG2161926
1-Methylnaphthalene	U		0.0687	0.250	1	11/02/2023 03:24	WG2161926
2-Methylnaphthalene	U		0.0674	0.250	1	11/02/2023 03:24	WG2161926
2-Chloronaphthalene	U		0.0682	0.250	1	11/02/2023 03:24	WG2161926
(S) Nitrobenzene-d5	*67.0*			*31.0-160*		*11/02/2023 03:24*	WG2161926
(S) 2-Fluorobiphenyl	*66.5*			*48.0-148*		*11/02/2023 03:24*	WG2161926
(S) p-Terphenyl-d14	*60.5*			*37.0-146*		*11/02/2023 03:24*	WG2161926

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	11/07/2023 12:22	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 17:40	WG2160512	
Acetone	U UJ		11.3	25.0	1	11/02/2023 06:03	WG2162809	
Acrylonitrile	U		0.671	5.00	1	11/02/2023 06:03	WG2162809	
Benzene	U		0.0941	0.500	1	11/02/2023 06:03	WG2162809	
Bromobenzene	U		0.118	0.500	1	11/02/2023 06:03	WG2162809	
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 06:03	WG2162809	
Bromochloromethane	U		0.128	0.500	1	11/02/2023 06:03	WG2162809	
Bromoform	U		0.129	0.500	1	11/02/2023 06:03	WG2162809	
Bromomethane	U UJ	C3	0.605	2.50	1	11/02/2023 06:03	WG2162809	
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 06:03	WG2162809	
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 06:03	WG2162809	
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 06:03	WG2162809	
Carbon disulfide	U UJ	C3	0.0962	0.500	1	11/02/2023 06:03	WG2162809	
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 06:03	WG2162809	
Chlorobenzene	U		0.117	0.500	1	11/02/2023 06:03	WG2162809	
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 06:03	WG2162809	
Chloroethane	U UJ	C3	0.192	2.50	1	11/02/2023 06:03	WG2162809	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~11/02/2023 06:03~~	WG2162809	R
Chloroform	~~0.111~~	J	0.111	0.500 UB	1	11/02/2023 06:03	WG2162809	
Chloromethane	U		0.960	1.25	1	11/02/2023 06:03	WG2162809	
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 06:03	WG2162809	
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 06:03	WG2162809	
1,2-Dibromo-3-Chloropropane	U UJ		0.276	2.50	1	11/02/2023 06:03	WG2162809	
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 06:03	WG2162809	
Dibromomethane	U		0.122	0.500	1	11/02/2023 06:03	WG2162809	
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 06:03	WG2162809	
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 06:03	WG2162809	
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 06:03	WG2162809	
Dichlorodifluoromethane	U UJ		0.374	2.50	1	11/02/2023 06:03	WG2162809	
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 06:03	WG2162809	
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 06:03	WG2162809	
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 06:03	WG2162809	
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 06:03	WG2162809	
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 06:03	WG2162809	
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 06:03	WG2162809	
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 06:03	WG2162809	
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 06:03	WG2162809	
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 06:03	WG2162809	
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 06:03	WG2162809	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 06:03	WG2162809	
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 06:03	WG2162809	
Di-isopropyl ether	U UJ		0.105	0.500	1	11/02/2023 06:03	WG2162809	
Ethylbenzene	U		0.137	0.500	1	11/02/2023 06:03	WG2162809	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 06:03	WG2162809	
2-Hexanone	U		0.787	5.00	1	11/02/2023 06:03	WG2162809	
n-Hexane	U		0.749	5.00	1	11/02/2023 06:03	WG2162809	
Iodomethane	U UJ		0.554	5.00	1	11/02/2023 06:03	WG2162809	
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 06:03	WG2162809	
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 06:03	WG2162809	
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 06:03	WG2162809	

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	11/02/2023 06:03	WG2162809
4-Methyl-2-pentanone (MIBK)	U	UJ	0.478	5.00	1	11/02/2023 06:03	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 06:03	WG2162809
Naphthalene	U	UJ C3	0.174	2.50	1	11/02/2023 06:03	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 06:03	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 06:03	WG2162809
1,1,1,2-Tetrachloroethane	U	UJ J4	0.147	0.500	1	11/02/2023 06:03	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 06:03	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 06:03	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 06:03	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 06:03	WG2162809
1,2,3-Trichlorobenzene	U	UJ C3	0.164	0.500	1	11/02/2023 06:03	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 06:03	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 06:03	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 06:03	WG2162809
Trichloroethene	U	J	0.190	0.500	1	11/02/2023 06:03	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 06:03	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 06:03	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 06:03	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 06:03	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 06:03	WG2162809
Vinyl acetate	U	UJ C3	0.692	5.00	1	11/02/2023 06:03	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 06:03	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 06:03	WG2162809
(S) Toluene-d8	*105*			*80.0-120*		*11/02/2023 06:03*	WG2162809
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*11/02/2023 06:03*	WG2162809
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*11/02/2023 06:03*	WG2162809

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	11/03/2023 06:23	WG2161902
Atrazine	U		0.255	10.0	1	11/03/2023 06:23	WG2161902
Benzaldehyde	U	UJ J4	1.69	10.0	1	11/03/2023 06:23	WG2161902
Biphenyl	U		0.790	10.0	1	11/03/2023 06:23	WG2161902
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/03/2023 06:23	WG2161902
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/03/2023 06:23	WG2161902
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/03/2023 06:23	WG2161902
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/03/2023 06:23	WG2161902
Caprolactam	13.8		0.309	10.0	1	11/03/2023 06:23	WG2161902
Carbazole	U		0.111	10.0	1	11/03/2023 06:23	WG2161902
4-Chloroaniline	U		0.234	5.00	1	11/03/2023 06:23	WG2161902
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/03/2023 06:23	WG2161902
3,3-Dichlorobenzidine	U	J4	0.212	10.0	1	11/03/2023 06:23	WG2161902
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/03/2023 06:23	WG2161902
2,6-Dinitrotoluene	U		0.250	5.00	1	11/03/2023 06:23	WG2161902
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/03/2023 06:23	WG2161902
Hexachlorocyclopentadiene	U	UJ	0.0598	5.00	1	11/03/2023 06:23	WG2161902
Hexachloroethane	U		0.127	5.00	1	11/03/2023 06:23	WG2161902
Isophorone	U		0.143	10.0	1	11/03/2023 06:23	WG2161902
2-Nitroaniline	U		0.102	10.0	1	11/03/2023 06:23	WG2161902
3-Nitroaniline	U		0.0869	5.00	1	11/03/2023 06:23	WG2161902
4-Nitroaniline	U		0.0910	5.00	1	11/03/2023 06:23	WG2161902
Nitrobenzene	U		0.297	10.0	1	11/03/2023 06:23	WG2161902
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/03/2023 06:23	WG2161902
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/03/2023 06:23	WG2161902

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	11/03/2023 06:23	WG2161902
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/03/2023 06:23	WG2161902
Di-n-butyl phthalate	U		0.453	3.00	1	11/03/2023 06:23	WG2161902
Diethyl phthalate	U		0.287	3.00	1	11/03/2023 06:23	WG2161902
Dimethyl phthalate	U		0.260	3.00	1	11/03/2023 06:23	WG2161902
Di-n-octyl phthalate	U		0.932	3.00	1	11/03/2023 06:23	WG2161902
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/03/2023 06:23	WG2161902
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/03/2023 06:23	WG2161902
2-Chlorophenol	U		0.133	1.00	1	11/03/2023 06:23	WG2161902
2-Methylphenol	U		0.0929	1.00	1	11/03/2023 06:23	WG2161902
3&4-Methyl Phenol	U		0.168	1.00	1	11/03/2023 06:23	WG2161902
2,4-Dichlorophenol	U		0.102	5.00	1	11/03/2023 06:23	WG2161902
2,4-Dimethylphenol	~~0.285~~	~~B J~~	0.0636	10.0 UBJ	1	11/03/2023 06:23	WG2161902
4,6-Dinitro-2-methylphenol	U UJ		1.12	10.0	1	11/03/2023 06:23	WG2161902
2,4-Dinitrophenol	U UJ		5.93	10.0	1	11/03/2023 06:23	WG2161902
2-Nitrophenol	U		0.117	10.0	1	11/03/2023 06:23	WG2161902
4-Nitrophenol	U		0.143	10.0	1	11/03/2023 06:23	WG2161902
Pentachlorophenol	U UJ		0.313	1.00	1	11/03/2023 06:23	WG2161902
Phenol	U		4.33	10.0	1	11/03/2023 06:23	WG2161902
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/03/2023 06:23	WG2161902
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/03/2023 06:23	WG2161902
(S) 2-Fluorophenol	*21.1*			*10.0-120*		*11/03/2023 06:23*	WG2161902
(S) Phenol-d5	*15.0*			*10.0-120*		*11/03/2023 06:23*	WG2161902
(S) Nitrobenzene-d5	*50.2*			*10.0-127*		*11/03/2023 06:23*	WG2161902
(S) 2-Fluorobiphenyl	*54.8*			*10.0-130*		*11/03/2023 06:23*	WG2161902
(S) 2,4,6-Tribromophenol	*63.2*			*10.0-155*		*11/03/2023 06:23*	WG2161902
(S) p-Terphenyl-d14	*67.3*			*10.0-128*		*11/03/2023 06:23*	WG2161902

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	11/02/2023 03:41	WG2161926
Acenaphthene	U		0.0190	0.0500	1	11/02/2023 03:41	WG2161926
Acenaphthylene	U		0.0171	0.0500	1	11/02/2023 03:41	WG2161926
Benzo(a)anthracene	U		0.0203	0.0500	1	11/02/2023 03:41	WG2161926
Benzo(a)pyrene	U		0.0184	0.0500	1	11/02/2023 03:41	WG2161926
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/02/2023 03:41	WG2161926
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/02/2023 03:41	WG2161926
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/02/2023 03:41	WG2161926
Chrysene	U		0.0179	0.0500	1	11/02/2023 03:41	WG2161926
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/02/2023 03:41	WG2161926
Dibenzofuran	U		0.0191	0.0500	1	11/02/2023 03:41	WG2161926
Fluoranthene	U		0.0270	0.100	1	11/02/2023 03:41	WG2161926
Fluorene	U		0.0169	0.0500	1	11/02/2023 03:41	WG2161926
Hexachlorobenzene	U		0.00670	0.0500	1	11/02/2023 03:41	WG2161926
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/02/2023 03:41	WG2161926
Naphthalene	U		0.0917	0.250	1	11/02/2023 03:41	WG2161926
Phenanthrene	U		0.0180	0.0500	1	11/02/2023 03:41	WG2161926
Pyrene	U		0.0169	0.0500	1	11/02/2023 03:41	WG2161926
1-Methylnaphthalene	U		0.0687	0.250	1	11/02/2023 03:41	WG2161926
2-Methylnaphthalene	U		0.0674	0.250	1	11/02/2023 03:41	WG2161926
2-Chloronaphthalene	U		0.0682	0.250	1	11/02/2023 03:41	WG2161926
(S) Nitrobenzene-d5	*71.0*			*31.0-160*		*11/02/2023 03:41*	WG2161926
(S) 2-Fluorobiphenyl	*68.0*			*48.0-148*		*11/02/2023 03:41*	WG2161926
(S) p-Terphenyl-d14	*63.0*			*37.0-146*		*11/02/2023 03:41*	WG2161926

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	11/07/2023 12:25	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 18:04	WG2160512	
Acetone	U UJ		11.3	25.0	1	11/02/2023 06:22	WG2162809	
Acrylonitrile	U		0.671	5.00	1	11/02/2023 06:22	WG2162809	
Benzene	U		0.0941	0.500	1	11/02/2023 06:22	WG2162809	
Bromobenzene	U		0.118	0.500	1	11/02/2023 06:22	WG2162809	
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 06:22	WG2162809	
Bromochloromethane	U		0.128	0.500	1	11/02/2023 06:22	WG2162809	
Bromoform	U		0.129	0.500	1	11/02/2023 06:22	WG2162809	
Bromomethane	U UJ	C3	0.605	2.50	1	11/02/2023 06:22	WG2162809	
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 06:22	WG2162809	
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 06:22	WG2162809	
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 06:22	WG2162809	
Carbon disulfide	U UJ	C3	0.0962	0.500	1	11/02/2023 06:22	WG2162809	
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 06:22	WG2162809	
Chlorobenzene	U		0.117	0.500	1	11/02/2023 06:22	WG2162809	
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 06:22	WG2162809	
Chloroethane	U UJ	C3	0.192	2.50	1	11/02/2023 06:22	WG2162809	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~11/02/2023 06:22~~	WG2162809	R
Chloroform	~~0.124~~	~~J~~	0.111	0.500 UB	1	11/02/2023 06:22	WG2162809	
Chloromethane	U		0.960	1.25	1	11/02/2023 06:22	WG2162809	
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 06:22	WG2162809	
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 06:22	WG2162809	
1,2-Dibromo-3-Chloropropane	U UJ		0.276	2.50	1	11/02/2023 06:22	WG2162809	
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 06:22	WG2162809	
Dibromomethane	U		0.122	0.500	1	11/02/2023 06:22	WG2162809	
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 06:22	WG2162809	
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 06:22	WG2162809	
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 06:22	WG2162809	
Dichlorodifluoromethane	U UJ		0.374	2.50	1	11/02/2023 06:22	WG2162809	
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 06:22	WG2162809	
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 06:22	WG2162809	
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 06:22	WG2162809	
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 06:22	WG2162809	
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 06:22	WG2162809	
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 06:22	WG2162809	
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 06:22	WG2162809	
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 06:22	WG2162809	
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 06:22	WG2162809	
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 06:22	WG2162809	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 06:22	WG2162809	
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 06:22	WG2162809	
Di-isopropyl ether	U UJ		0.105	0.500	1	11/02/2023 06:22	WG2162809	
Ethylbenzene	U		0.137	0.500	1	11/02/2023 06:22	WG2162809	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 06:22	WG2162809	
2-Hexanone	U		0.787	5.00	1	11/02/2023 06:22	WG2162809	
n-Hexane	U		0.749	5.00	1	11/02/2023 06:22	WG2162809	
Iodomethane	U UJ		0.554	5.00	1	11/02/2023 06:22	WG2162809	
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 06:22	WG2162809	
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 06:22	WG2162809	
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 06:22	WG2162809	

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	11/02/2023 06:22	WG2162809
4-Methyl-2-pentanone (MIBK)	U	UJ	0.478	5.00	1	11/02/2023 06:22	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 06:22	WG2162809
Naphthalene	U	UJ	~~C3~~ 0.174	2.50	1	11/02/2023 06:22	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 06:22	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 06:22	WG2162809
1,1,1,2-Tetrachloroethane	U	UJ	~~J4~~ 0.147	0.500	1	11/02/2023 06:22	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 06:22	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 06:22	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 06:22	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 06:22	WG2162809
1,2,3-Trichlorobenzene	U	UJ	~~C3~~ 0.164	0.500	1	11/02/2023 06:22	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 06:22	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 06:22	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 06:22	WG2162809
Trichloroethene	U	UJ	0.190	0.500	1	11/02/2023 06:22	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 06:22	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 06:22	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 06:22	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 06:22	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 06:22	WG2162809
Vinyl acetate	U	UJ	~~C3~~ 0.692	5.00	1	11/02/2023 06:22	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 06:22	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 06:22	WG2162809
(S) Toluene-d8	*106*			*80.0-120*		*11/02/2023 06:22*	WG2162809
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*11/02/2023 06:22*	WG2162809
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*11/02/2023 06:22*	WG2162809

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	11/03/2023 06:44	WG2161902
Atrazine	U		0.255	10.0	1	11/03/2023 06:44	WG2161902
Benzaldehyde	U	UJ	~~J4~~ 1.69	10.0	1	11/03/2023 06:44	WG2161902
Biphenyl	U		0.790	10.0	1	11/03/2023 06:44	WG2161902
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/03/2023 06:44	WG2161902
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/03/2023 06:44	WG2161902
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/03/2023 06:44	WG2161902
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/03/2023 06:44	WG2161902
Caprolactam	6.21	J	0.309	10.0	1	11/03/2023 06:44	WG2161902
Carbazole	U		0.111	10.0	1	11/03/2023 06:44	WG2161902
4-Chloroaniline	U		0.234	5.00	1	11/03/2023 06:44	WG2161902
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/03/2023 06:44	WG2161902
3,3-Dichlorobenzidine	U		~~J4~~ 0.212	10.0	1	11/03/2023 06:44	WG2161902
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/03/2023 06:44	WG2161902
2,6-Dinitrotoluene	U		0.250	5.00	1	11/03/2023 06:44	WG2161902
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/03/2023 06:44	WG2161902
Hexachlorocyclopentadiene	U	UJ	0.0598	5.00	1	11/03/2023 06:44	WG2161902
Hexachloroethane	U		0.127	5.00	1	11/03/2023 06:44	WG2161902
Isophorone	U		0.143	10.0	1	11/03/2023 06:44	WG2161902
2-Nitroaniline	U		0.102	10.0	1	11/03/2023 06:44	WG2161902
3-Nitroaniline	U		0.0869	5.00	1	11/03/2023 06:44	WG2161902
4-Nitroaniline	U		0.0910	5.00	1	11/03/2023 06:44	WG2161902
Nitrobenzene	U		0.297	10.0	1	11/03/2023 06:44	WG2161902
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/03/2023 06:44	WG2161902
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/03/2023 06:44	WG2161902

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	11/03/2023 06:44	WG2161902
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/03/2023 06:44	WG2161902
Di-n-butyl phthalate	U		0.453	3.00	1	11/03/2023 06:44	WG2161902
Diethyl phthalate	U		0.287	3.00	1	11/03/2023 06:44	WG2161902
Dimethyl phthalate	U		0.260	3.00	1	11/03/2023 06:44	WG2161902
Di-n-octyl phthalate	U		0.932	3.00	1	11/03/2023 06:44	WG2161902
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/03/2023 06:44	WG2161902
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/03/2023 06:44	WG2161902
2-Chlorophenol	U		0.133	1.00	1	11/03/2023 06:44	WG2161902
2-Methylphenol	U		0.0929	1.00	1	11/03/2023 06:44	WG2161902
3&4-Methyl Phenol	U		0.168	1.00	1	11/03/2023 06:44	WG2161902
2,4-Dichlorophenol	U		0.102	5.00	1	11/03/2023 06:44	WG2161902
2,4-Dimethylphenol	U	UJ	0.0636	10.0	1	11/03/2023 06:44	WG2161902
4,6-Dinitro-2-methylphenol	U	UJ	1.12	10.0	1	11/03/2023 06:44	WG2161902
2,4-Dinitrophenol	U	UJ	5.93	10.0	1	11/03/2023 06:44	WG2161902
2-Nitrophenol	U		0.117	10.0	1	11/03/2023 06:44	WG2161902
4-Nitrophenol	U		0.143	10.0	1	11/03/2023 06:44	WG2161902
Pentachlorophenol	U	UJ	0.313	1.00	1	11/03/2023 06:44	WG2161902
Phenol	U		4.33	10.0	1	11/03/2023 06:44	WG2161902
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/03/2023 06:44	WG2161902
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/03/2023 06:44	WG2161902
(S) 2-Fluorophenol	*19.8*			*10.0-120*		*11/03/2023 06:44*	WG2161902
(S) Phenol-d5	*13.9*			*10.0-120*		*11/03/2023 06:44*	WG2161902
(S) Nitrobenzene-d5	*52.7*			*10.0-127*		*11/03/2023 06:44*	WG2161902
(S) 2-Fluorobiphenyl	*57.3*			*10.0-130*		*11/03/2023 06:44*	WG2161902
(S) 2,4,6-Tribromophenol	*62.7*			*10.0-155*		*11/03/2023 06:44*	WG2161902
(S) p-Terphenyl-d14	*76.1*			*10.0-128*		*11/03/2023 06:44*	WG2161902

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	11/03/2023 01:53	WG2161927
Acenaphthene	U		0.0190	0.0500	1	11/03/2023 01:53	WG2161927
Acenaphthylene	U		0.0171	0.0500	1	11/03/2023 01:53	WG2161927
Benzo(a)anthracene	U		0.0203	0.0500	1	11/03/2023 01:53	WG2161927
Benzo(a)pyrene	0.0212	J	0.0184	0.0500	1	11/03/2023 01:53	WG2161927
Benzo(b)fluoranthene	0.0324	J	0.0168	0.0500	1	11/03/2023 01:53	WG2161927
Benzo(g,h,i)perylene	0.0198	J	0.0184	0.0500	1	11/03/2023 01:53	WG2161927
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/03/2023 01:53	WG2161927
Chrysene	0.0215	J	0.0179	0.0500	1	11/03/2023 01:53	WG2161927
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/03/2023 01:53	WG2161927
Dibenzofuran	U		0.0191	0.0500	1	11/03/2023 01:53	WG2161927
Fluoranthene	0.0378	J	0.0270	0.100	1	11/03/2023 01:53	WG2161927
Fluorene	U		0.0169	0.0500	1	11/03/2023 01:53	WG2161927
Hexachlorobenzene	U		0.00670	0.0500	1	11/03/2023 01:53	WG2161927
Indeno(1,2,3-cd)pyrene	0.0250	J	0.0158	0.0500	1	11/03/2023 01:53	WG2161927
Naphthalene	U		0.0917	0.250	1	11/03/2023 01:53	WG2161927
Phenanthrene	U		0.0180	0.0500	1	11/03/2023 01:53	WG2161927
Pyrene	0.0327	J	0.0169	0.0500	1	11/03/2023 01:53	WG2161927
1-Methylnaphthalene	U		0.0687	0.250	1	11/03/2023 01:53	WG2161927
2-Methylnaphthalene	U		0.0674	0.250	1	11/03/2023 01:53	WG2161927
2-Chloronaphthalene	U		0.0682	0.250	1	11/03/2023 01:53	WG2161927
(S) Nitrobenzene-d5	*98.4*			*31.0-160*		*11/03/2023 01:53*	WG2161927
(S) 2-Fluorobiphenyl	*82.6*			*48.0-148*		*11/03/2023 01:53*	WG2161927
(S) p-Terphenyl-d14	*84.7*			*37.0-146*		*11/03/2023 01:53*	WG2161927

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	11/07/2023 12:29	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 18:28	WG2160512	
Acetone	U UJ		11.3	25.0	1	11/02/2023 06:41	WG2162809	
Acrylonitrile	U		0.671	5.00	1	11/02/2023 06:41	WG2162809	
Benzene	U		0.0941	0.500	1	11/02/2023 06:41	WG2162809	
Bromobenzene	U		0.118	0.500	1	11/02/2023 06:41	WG2162809	
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 06:41	WG2162809	
Bromochloromethane	U		0.128	0.500	1	11/02/2023 06:41	WG2162809	
Bromoform	U		0.129	0.500	1	11/02/2023 06:41	WG2162809	
Bromomethane	U UJ	C3	0.605	2.50	1	11/02/2023 06:41	WG2162809	
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 06:41	WG2162809	
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 06:41	WG2162809	
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 06:41	WG2162809	
Carbon disulfide	U UJ	C3	0.0962	0.500	1	11/02/2023 06:41	WG2162809	
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 06:41	WG2162809	
Chlorobenzene	U		0.117	0.500	1	11/02/2023 06:41	WG2162809	
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 06:41	WG2162809	
Chloroethane	U UJ	C3	0.192	2.50	1	11/02/2023 06:41	WG2162809	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~11/02/2023 06:41~~	WG2162809	R
Chloroform	U		0.111	0.500	1	11/02/2023 06:41	WG2162809	
Chloromethane	U		0.960	1.25	1	11/02/2023 06:41	WG2162809	
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 06:41	WG2162809	
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 06:41	WG2162809	
1,2-Dibromo-3-Chloropropane	U UJ		0.276	2.50	1	11/02/2023 06:41	WG2162809	
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 06:41	WG2162809	
Dibromomethane	U		0.122	0.500	1	11/02/2023 06:41	WG2162809	
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 06:41	WG2162809	
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 06:41	WG2162809	
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 06:41	WG2162809	
Dichlorodifluoromethane	U UJ		0.374	2.50	1	11/02/2023 06:41	WG2162809	
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 06:41	WG2162809	
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 06:41	WG2162809	
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 06:41	WG2162809	
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 06:41	WG2162809	
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 06:41	WG2162809	
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 06:41	WG2162809	
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 06:41	WG2162809	
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 06:41	WG2162809	
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 06:41	WG2162809	
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 06:41	WG2162809	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 06:41	WG2162809	
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 06:41	WG2162809	
Di-isopropyl ether	U UJ		0.105	0.500	1	11/02/2023 06:41	WG2162809	
Ethylbenzene	U		0.137	0.500	1	11/02/2023 06:41	WG2162809	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 06:41	WG2162809	
2-Hexanone	U		0.787	5.00	1	11/02/2023 06:41	WG2162809	
n-Hexane	U		0.749	5.00	1	11/02/2023 06:41	WG2162809	
Iodomethane	U UJ		0.554	5.00	1	11/02/2023 06:41	WG2162809	
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 06:41	WG2162809	
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 06:41	WG2162809	
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 06:41	WG2162809	

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	11/02/2023 06:41	WG2162809
4-Methyl-2-pentanone (MIBK)	U UJ		0.478	5.00	1	11/02/2023 06:41	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 06:41	WG2162809
Naphthalene	U UJ	~~C3~~	0.174	2.50	1	11/02/2023 06:41	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 06:41	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 06:41	WG2162809
1,1,1,2-Tetrachloroethane	U UJ	~~J4~~	0.147	0.500	1	11/02/2023 06:41	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 06:41	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 06:41	WG2162809
Tetrachloroethene	0.601		0.300	0.500	1	11/02/2023 06:41	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 06:41	WG2162809
1,2,3-Trichlorobenzene	U UJ	~~C3~~	0.164	0.500	1	11/02/2023 06:41	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 06:41	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 06:41	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 06:41	WG2162809
Trichloroethene	U UJ		0.190	0.500	1	11/02/2023 06:41	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 06:41	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 06:41	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 06:41	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 06:41	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 06:41	WG2162809
Vinyl acetate	U UJ	~~C3~~	0.692	5.00	1	11/02/2023 06:41	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 06:41	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 06:41	WG2162809
(S) Toluene-d8	*105*			*80.0-120*		*11/02/2023 06:41*	WG2162809
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*11/02/2023 06:41*	WG2162809
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*11/02/2023 06:41*	WG2162809

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	11/03/2023 07:04	WG2161902
Atrazine	U		0.255	10.0	1	11/03/2023 07:04	WG2161902
Benzaldehyde	U UJ	~~J4~~	1.69	10.0	1	11/03/2023 07:04	WG2161902
Biphenyl	U		0.790	10.0	1	11/03/2023 07:04	WG2161902
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/03/2023 07:04	WG2161902
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/03/2023 07:04	WG2161902
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/03/2023 07:04	WG2161902
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/03/2023 07:04	WG2161902
Caprolactam	29.5 J		0.309	10.0	1	11/03/2023 07:04	WG2161902
Carbazole	U		0.111	10.0	1	11/03/2023 07:04	WG2161902
4-Chloroaniline	U		0.234	5.00	1	11/03/2023 07:04	WG2161902
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/03/2023 07:04	WG2161902
3,3-Dichlorobenzidine	U	~~J4~~	0.212	10.0	1	11/03/2023 07:04	WG2161902
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/03/2023 07:04	WG2161902
2,6-Dinitrotoluene	U		0.250	5.00	1	11/03/2023 07:04	WG2161902
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/03/2023 07:04	WG2161902
Hexachlorocyclopentadiene	U UJ		0.0598	5.00	1	11/03/2023 07:04	WG2161902
Hexachloroethane	U		0.127	5.00	1	11/03/2023 07:04	WG2161902
Isophorone	U		0.143	10.0	1	11/03/2023 07:04	WG2161902
2-Nitroaniline	U		0.102	10.0	1	11/03/2023 07:04	WG2161902
3-Nitroaniline	U		0.0869	5.00	1	11/03/2023 07:04	WG2161902
4-Nitroaniline	U		0.0910	5.00	1	11/03/2023 07:04	WG2161902
Nitrobenzene	U		0.297	10.0	1	11/03/2023 07:04	WG2161902
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/03/2023 07:04	WG2161902
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/03/2023 07:04	WG2161902

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	11/03/2023 07:04	WG2161902
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/03/2023 07:04	WG2161902
Di-n-butyl phthalate	U		0.453	3.00	1	11/03/2023 07:04	WG2161902
Diethyl phthalate	U		0.287	3.00	1	11/03/2023 07:04	WG2161902
Dimethyl phthalate	U		0.260	3.00	1	11/03/2023 07:04	WG2161902
Di-n-octyl phthalate	U		0.932	3.00	1	11/03/2023 07:04	WG2161902
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/03/2023 07:04	WG2161902
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/03/2023 07:04	WG2161902
2-Chlorophenol	U		0.133	1.00	1	11/03/2023 07:04	WG2161902
2-Methylphenol	U		0.0929	1.00	1	11/03/2023 07:04	WG2161902
3&4-Methyl Phenol	U		0.168	1.00	1	11/03/2023 07:04	WG2161902
2,4-Dichlorophenol	U		0.102	5.00	1	11/03/2023 07:04	WG2161902
2,4-Dimethylphenol	U	UJ	0.0636	10.0	1	11/03/2023 07:04	WG2161902
4,6-Dinitro-2-methylphenol	U	UJ	1.12	10.0	1	11/03/2023 07:04	WG2161902
2,4-Dinitrophenol	U	UJ	5.93	10.0	1	11/03/2023 07:04	WG2161902
2-Nitrophenol	U		0.117	10.0	1	11/03/2023 07:04	WG2161902
4-Nitrophenol	U		0.143	10.0	1	11/03/2023 07:04	WG2161902
Pentachlorophenol	U	UJ	0.313	1.00	1	11/03/2023 07:04	WG2161902
Phenol	U		4.33	10.0	1	11/03/2023 07:04	WG2161902
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/03/2023 07:04	WG2161902
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/03/2023 07:04	WG2161902
(S) 2-Fluorophenol	*23.6*			*10.0-120*		*11/03/2023 07:04*	WG2161902
(S) Phenol-d5	*17.2*			*10.0-120*		*11/03/2023 07:04*	WG2161902
(S) Nitrobenzene-d5	*32.8*			*10.0-127*		*11/03/2023 07:04*	WG2161902
(S) 2-Fluorobiphenyl	*34.7*			*10.0-130*		*11/03/2023 07:04*	WG2161902
(S) 2,4,6-Tribromophenol	*34.2*			*10.0-155*		*11/03/2023 07:04*	WG2161902
(S) p-Terphenyl-d14	*52.3*			*10.0-128*		*11/03/2023 07:04*	WG2161902

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	11/02/2023 03:59	WG2161926
Acenaphthene	U		0.0190	0.0500	1	11/02/2023 03:59	WG2161926
Acenaphthylene	U		0.0171	0.0500	1	11/02/2023 03:59	WG2161926
Benzo(a)anthracene	U		0.0203	0.0500	1	11/02/2023 03:59	WG2161926
Benzo(a)pyrene	U		0.0184	0.0500	1	11/02/2023 03:59	WG2161926
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/02/2023 03:59	WG2161926
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/02/2023 03:59	WG2161926
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/02/2023 03:59	WG2161926
Chrysene	U		0.0179	0.0500	1	11/02/2023 03:59	WG2161926
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/02/2023 03:59	WG2161926
Dibenzofuran	U		0.0191	0.0500	1	11/02/2023 03:59	WG2161926
Fluoranthene	U		0.0270	0.100	1	11/02/2023 03:59	WG2161926
Fluorene	U		0.0169	0.0500	1	11/02/2023 03:59	WG2161926
Hexachlorobenzene	U		0.00670	0.0500	1	11/02/2023 03:59	WG2161926
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/02/2023 03:59	WG2161926
Naphthalene	U		0.0917	0.250	1	11/02/2023 03:59	WG2161926
Phenanthrene	U		0.0180	0.0500	1	11/02/2023 03:59	WG2161926
Pyrene	U		0.0169	0.0500	1	11/02/2023 03:59	WG2161926
1-Methylnaphthalene	U		0.0687	0.250	1	11/02/2023 03:59	WG2161926
2-Methylnaphthalene	U		0.0674	0.250	1	11/02/2023 03:59	WG2161926
2-Chloronaphthalene	U		0.0682	0.250	1	11/02/2023 03:59	WG2161926
(S) Nitrobenzene-d5	*70.5*			*31.0-160*		*11/02/2023 03:59*	WG2161926
(S) 2-Fluorobiphenyl	*67.0*			*48.0-148*		*11/02/2023 03:59*	WG2161926
(S) p-Terphenyl-d14	*64.5*			*37.0-146*		*11/02/2023 03:59*	WG2161926

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	UJ	11.3	25.0	1	11/02/2023 02:15	WG2162809	
Acrylonitrile	U		0.671	5.00	1	11/02/2023 02:15	WG2162809	
Benzene	U		0.0941	0.500	1	11/02/2023 02:15	WG2162809	
Bromobenzene	U		0.118	0.500	1	11/02/2023 02:15	WG2162809	
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 02:15	WG2162809	
Bromochloromethane	U		0.128	0.500	1	11/02/2023 02:15	WG2162809	
Bromoform	U		0.129	0.500	1	11/02/2023 02:15	WG2162809	
Bromomethane	U	UJ	C3	0.605	2.50	1	11/02/2023 02:15	WG2162809
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 02:15	WG2162809	
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 02:15	WG2162809	
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 02:15	WG2162809	
Carbon disulfide	U	UJ	C3	0.0962	0.500	1	11/02/2023 02:15	WG2162809
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 02:15	WG2162809	
Chlorobenzene	U		0.117	0.500	1	11/02/2023 02:15	WG2162809	
Chlorodibromomethane	U		J4	0.140	0.500	1	11/02/2023 02:15	WG2162809
Chloroethane	U	UJ	C3	0.192	2.50	1	11/02/2023 02:15	WG2162809
~~2-Chloroethyl vinyl ether~~	~~U~~			~~0.575~~	~~50.0~~	~~1~~	~~11/02/2023 02:15~~	~~WG2162809~~ R
Chloroform	U			0.111	0.500	1	11/02/2023 02:15	WG2162809
Chloromethane	U			0.960	1.25	1	11/02/2023 02:15	WG2162809
2-Chlorotoluene	U			0.106	0.500	1	11/02/2023 02:15	WG2162809
4-Chlorotoluene	U			0.114	0.500	1	11/02/2023 02:15	WG2162809
1,2-Dibromo-3-Chloropropane	U			0.276	2.50	1	11/02/2023 02:15	WG2162809
1,2-Dibromoethane	U			0.126	0.500	1	11/02/2023 02:15	WG2162809
Dibromomethane	U			0.122	0.500	1	11/02/2023 02:15	WG2162809
1,2-Dichlorobenzene	U		J4	0.107	0.500	1	11/02/2023 02:15	WG2162809
1,3-Dichlorobenzene	U			0.299	0.500	1	11/02/2023 02:15	WG2162809
1,4-Dichlorobenzene	U			0.120	0.500	1	11/02/2023 02:15	WG2162809
Dichlorodifluoromethane	U	UJ		0.374	2.50	1	11/02/2023 02:15	WG2162809
1,1-Dichloroethane	U			0.100	0.500	1	11/02/2023 02:15	WG2162809
1,2-Dichloroethane	U			0.0819	0.500	1	11/02/2023 02:15	WG2162809
1,1-Dichloroethene	U			0.188	0.500	1	11/02/2023 02:15	WG2162809
cis-1,2-Dichloroethene	U			0.126	0.500	1	11/02/2023 02:15	WG2162809
trans-1,2-Dichloroethene	U			0.149	0.500	1	11/02/2023 02:15	WG2162809
1,2-Dichloropropane	U			0.149	0.500	1	11/02/2023 02:15	WG2162809
1,1-Dichloropropene	U			0.142	0.500	1	11/02/2023 02:15	WG2162809
1,3-Dichloropropane	U			0.109	1.00	1	11/02/2023 02:15	WG2162809
cis-1,3-Dichloropropene	U			0.111	0.500	1	11/02/2023 02:15	WG2162809
trans-1,3-Dichloropropene	U			0.118	0.500	1	11/02/2023 02:15	WG2162809
trans-1,4-Dichloro-2-butene	U			0.467	5.00	1	11/02/2023 02:15	WG2162809
2,2-Dichloropropane	U			0.161	0.500	1	11/02/2023 02:15	WG2162809
Di-isopropyl ether	U	UJ		0.105	0.500	1	11/02/2023 02:15	WG2162809
Ethylbenzene	U			0.137	0.500	1	11/02/2023 02:15	WG2162809
Hexachloro-1,3-butadiene	U			0.337	1.00	1	11/02/2023 02:15	WG2162809
2-Hexanone	U			0.787	5.00	1	11/02/2023 02:15	WG2162809
n-Hexane	U			0.749	5.00	1	11/02/2023 02:15	WG2162809
Iodomethane	U	UJ		0.554	5.00	1	11/02/2023 02:15	WG2162809
Isopropylbenzene	U			0.105	0.500	1	11/02/2023 02:15	WG2162809
p-Isopropyltoluene	U			0.120	0.500	1	11/02/2023 02:15	WG2162809
2-Butanone (MEK)	U			1.19	5.00	1	11/02/2023 02:15	WG2162809
Methylene Chloride	U			0.430	2.50	1	11/02/2023 02:15	WG2162809
4-Methyl-2-pentanone (MIBK)	U	UJ		0.478	5.00	1	11/02/2023 02:15	WG2162809
Methyl tert-butyl ether	U			0.101	0.500	1	11/02/2023 02:15	WG2162809
Naphthalene	U	UJ	C3	0.174	2.50	1	11/02/2023 02:15	WG2162809
n-Propylbenzene	U			0.0993	0.500	1	11/02/2023 02:15	WG2162809
Styrene	U			0.118	0.500	1	11/02/2023 02:15	WG2162809
1,1,1,2-Tetrachloroethane	U		J4	0.147	0.500	1	11/02/2023 02:15	WG2162809

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 UJ		0.133	0.500	1	11/02/2023 02:15	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 02:15	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 02:15	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 02:15	WG2162809
1,2,3-Trichlorobenzene	U UJ	~~C3~~	0.164	0.500	1	11/02/2023 02:15	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 02:15	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 02:15	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 02:15	WG2162809
Trichloroethene	U UJ		0.190	0.500	1	11/02/2023 02:15	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 02:15	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 02:15	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 02:15	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 02:15	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 02:15	WG2162809
Vinyl acetate	U UJ	~~C3~~	0.692	5.00	1	11/02/2023 02:15	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 02:15	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 02:15	WG2162809
(S) Toluene-d8	*108*			*80.0-120*		*11/02/2023 02:15*	WG2162809
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*11/02/2023 02:15*	WG2162809
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*11/02/2023 02:15*	WG2162809

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	11/07/2023 12:32	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 18:52	WG2160512	
Acetone	U UJ		11.3	25.0	1	11/02/2023 07:00	WG2162809	
Acrylonitrile	U		0.671	5.00	1	11/02/2023 07:00	WG2162809	
Benzene	U		0.0941	0.500	1	11/02/2023 07:00	WG2162809	
Bromobenzene	U		0.118	0.500	1	11/02/2023 07:00	WG2162809	
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 07:00	WG2162809	
Bromochloromethane	U		0.128	0.500	1	11/02/2023 07:00	WG2162809	
Bromoform	U		0.129	0.500	1	11/02/2023 07:00	WG2162809	
Bromomethane	U UJ	C3	0.605	2.50	1	11/02/2023 07:00	WG2162809	
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 07:00	WG2162809	
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 07:00	WG2162809	
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 07:00	WG2162809	
Carbon disulfide	U UJ	C3	0.0962	0.500	1	11/02/2023 07:00	WG2162809	
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 07:00	WG2162809	
Chlorobenzene	U		0.117	0.500	1	11/02/2023 07:00	WG2162809	
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 07:00	WG2162809	
Chloroethane	U UJ	C3	0.192	2.50	1	11/02/2023 07:00	WG2162809	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~11/02/2023 07:00~~	WG2162809	R
Chloroform	U		0.111	0.500	1	11/02/2023 07:00	WG2162809	
Chloromethane	U		0.960	1.25	1	11/02/2023 07:00	WG2162809	
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 07:00	WG2162809	
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 07:00	WG2162809	
1,2-Dibromo-3-Chloropropane	U UJ		0.276	2.50	1	11/02/2023 07:00	WG2162809	
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 07:00	WG2162809	
Dibromomethane	U		0.122	0.500	1	11/02/2023 07:00	WG2162809	
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 07:00	WG2162809	
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 07:00	WG2162809	
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 07:00	WG2162809	
Dichlorodifluoromethane	U UJ		0.374	2.50	1	11/02/2023 07:00	WG2162809	
1,1-Dichloroethane	0.585		0.100	0.500	1	11/02/2023 07:00	WG2162809	
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 07:00	WG2162809	
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 07:00	WG2162809	
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 07:00	WG2162809	
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 07:00	WG2162809	
1,2-Dichloropropane	0.730		0.149	0.500	1	11/02/2023 07:00	WG2162809	
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 07:00	WG2162809	
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 07:00	WG2162809	
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 07:00	WG2162809	
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 07:00	WG2162809	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 07:00	WG2162809	
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 07:00	WG2162809	
Di-isopropyl ether	U UJ		0.105	0.500	1	11/02/2023 07:00	WG2162809	
Ethylbenzene	U		0.137	0.500	1	11/02/2023 07:00	WG2162809	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 07:00	WG2162809	
2-Hexanone	U		0.787	5.00	1	11/02/2023 07:00	WG2162809	
n-Hexane	U		0.749	5.00	1	11/02/2023 07:00	WG2162809	
Iodomethane	U UJ		0.554	5.00	1	11/02/2023 07:00	WG2162809	
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 07:00	WG2162809	
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 07:00	WG2162809	
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 07:00	WG2162809	

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	11/02/2023 07:00	WG2162809
4-Methyl-2-pentanone (MIBK)	U UJ		0.478	5.00	1	11/02/2023 07:00	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 07:00	WG2162809
Naphthalene	U UJ	~~C3~~	0.174	2.50	1	11/02/2023 07:00	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 07:00	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 07:00	WG2162809
1,1,1,2-Tetrachloroethane	U UJ	~~J4~~	0.147	0.500	1	11/02/2023 07:00	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 07:00	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 07:00	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 07:00	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 07:00	WG2162809
1,2,3-Trichlorobenzene	U UJ	~~C3~~	0.164	0.500	1	11/02/2023 07:00	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 07:00	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 07:00	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 07:00	WG2162809
Trichloroethene	0.243 J	~~J~~	0.190	0.500	1	11/02/2023 07:00	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 07:00	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 07:00	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 07:00	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 07:00	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 07:00	WG2162809
Vinyl acetate	U UJ	~~C3~~	0.692	5.00	1	11/02/2023 07:00	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 07:00	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 07:00	WG2162809
(S) Toluene-d8	*101*			*80.0-120*		*11/02/2023 07:00*	WG2162809
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*11/02/2023 07:00*	WG2162809
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*11/02/2023 07:00*	WG2162809

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	11/02/2023 00:54	WG2161005	
Atrazine	U		0.255	10.0	1	11/02/2023 00:54	WG2161005	
~~Benzaldehyde~~	~~U~~	~~J4~~	~~1.69~~	~~10.0~~	~~1~~	~~11/02/2023 00:54~~	WG2161005	R
Biphenyl	U		0.790	10.0	1	11/02/2023 00:54	WG2161005	
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/02/2023 00:54	WG2161005	
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/02/2023 00:54	WG2161005	
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/02/2023 00:54	WG2161005	
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/02/2023 00:54	WG2161005	
Caprolactam	U		0.309	10.0	1	11/02/2023 00:54	WG2161005	
Carbazole	U		0.111	10.0	1	11/02/2023 00:54	WG2161005	
4-Chloroaniline	U		0.234	5.00	1	11/02/2023 00:54	WG2161005	
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/02/2023 00:54	WG2161005	
3,3-Dichlorobenzidine	U		0.212	10.0	1	11/02/2023 00:54	WG2161005	
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/08/2023 21:04	WG2161005	
2,6-Dinitrotoluene	U		0.250	5.00	1	11/02/2023 00:54	WG2161005	
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/02/2023 00:54	WG2161005	
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/02/2023 00:54	WG2161005	
Hexachloroethane	U		0.127	5.00	1	11/02/2023 00:54	WG2161005	
Isophorone	U		0.143	10.0	1	11/02/2023 00:54	WG2161005	
2-Nitroaniline	U UJ		0.102	10.0	1	11/02/2023 00:54	WG2161005	
3-Nitroaniline	U		0.0869	5.00	1	11/02/2023 00:54	WG2161005	
4-Nitroaniline	U		0.0910	5.00	1	11/02/2023 00:54	WG2161005	
Nitrobenzene	U		0.297	10.0	1	11/02/2023 00:54	WG2161005	
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/02/2023 00:54	WG2161005	
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/02/2023 00:54	WG2161005	

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 UJ		0.765	3.00	1	11/02/2023 00:54	WG2161005
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/02/2023 00:54	WG2161005
Di-n-butyl phthalate	U		0.453	3.00	1	11/02/2023 00:54	WG2161005
Diethyl phthalate	0.287	J	0.287	3.00	1	11/02/2023 00:54	WG2161005
Dimethyl phthalate	U		0.260	3.00	1	11/02/2023 00:54	WG2161005
Di-n-octyl phthalate	U		0.932	3.00	1	11/02/2023 00:54	WG2161005
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/02/2023 00:54	WG2161005
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/02/2023 00:54	WG2161005
2-Chlorophenol	U		0.133	1.00	1	11/02/2023 00:54	WG2161005
2-Methylphenol	U		0.0929	1.00	1	11/02/2023 00:54	WG2161005
3&4-Methyl Phenol	U		0.168	1.00	1	11/02/2023 00:54	WG2161005
2,4-Dichlorophenol	U		0.102	5.00	1	11/02/2023 00:54	WG2161005
2,4-Dimethylphenol	U UJ		0.0636	10.0	1	11/02/2023 00:54	WG2161005
4,6-Dinitro-2-methylphenol	U UJ		1.12	10.0	1	11/02/2023 00:54	WG2161005
2,4-Dinitrophenol	U UJ		5.93	10.0	1	11/02/2023 00:54	WG2161005
2-Nitrophenol	U		0.117	10.0	1	11/02/2023 00:54	WG2161005
4-Nitrophenol	U UJ	~~J4~~	0.143	10.0	1	11/02/2023 00:54	WG2161005
Pentachlorophenol	U UJ		0.313	1.00	1	11/02/2023 00:54	WG2161005
Phenol	U UJ		4.33	10.0	1	11/02/2023 00:54	WG2161005
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/02/2023 00:54	WG2161005
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/02/2023 00:54	WG2161005
(S) 2-Fluorophenol	*28.1*			*10.0-120*		*11/08/2023 21:04*	WG2161005
(S) 2-Fluorophenol	*30.6*			*10.0-120*		*11/02/2023 00:54*	WG2161005
(S) Phenol-d5	*19.3*			*10.0-120*		*11/02/2023 00:54*	WG2161005
(S) Phenol-d5	*19.2*			*10.0-120*		*11/08/2023 21:04*	WG2161005
(S) Nitrobenzene-d5	*71.8*			*10.0-127*		*11/08/2023 21:04*	WG2161005
(S) Nitrobenzene-d5	*65.8*			*10.0-127*		*11/02/2023 00:54*	WG2161005
(S) 2-Fluorobiphenyl	*64.4*			*10.0-130*		*11/08/2023 21:04*	WG2161005
(S) 2-Fluorobiphenyl	*59.8*			*10.0-130*		*11/02/2023 00:54*	WG2161005
(S) 2,4,6-Tribromophenol	*50.2*			*10.0-155*		*11/02/2023 00:54*	WG2161005
(S) 2,4,6-Tribromophenol	*52.5*			*10.0-155*		*11/08/2023 21:04*	WG2161005
(S) p-Terphenyl-d14	*59.6*			*10.0-128*		*11/02/2023 00:54*	WG2161005
(S) p-Terphenyl-d14	*64.4*			*10.0-128*		*11/08/2023 21:04*	WG2161005

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	11/01/2023 02:57	WG2161001
Acenaphthene	U		0.0190	0.0500	1	11/01/2023 02:57	WG2161001
Acenaphthylene	U		0.0171	0.0500	1	11/01/2023 02:57	WG2161001
Benzo(a)anthracene	U		0.0203	0.0500	1	11/01/2023 02:57	WG2161001
Benzo(a)pyrene	U		0.0184	0.0500	1	11/01/2023 02:57	WG2161001
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/01/2023 02:57	WG2161001
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/01/2023 02:57	WG2161001
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/01/2023 02:57	WG2161001
Chrysene	U		0.0179	0.0500	1	11/01/2023 02:57	WG2161001
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/01/2023 02:57	WG2161001
Dibenzofuran	U		0.0191	0.0500	1	11/01/2023 02:57	WG2161001
Fluoranthene	U		0.0270	0.100	1	11/01/2023 02:57	WG2161001
Fluorene	U		0.0169	0.0500	1	11/01/2023 02:57	WG2161001
Hexachlorobenzene	U		0.00670	0.0500	1	11/01/2023 02:57	WG2161001
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/01/2023 02:57	WG2161001
Naphthalene	U		0.0917	0.250	1	11/01/2023 02:57	WG2161001
Phenanthrene	~~0.0188~~	~~B J~~	0.0180	0.0500 UB	1	11/01/2023 02:57	WG2161001
Pyrene	U		0.0169	0.0500	1	11/01/2023 02:57	WG2161001
1-Methylnaphthalene	U		0.0687	0.250	1	11/01/2023 02:57	WG2161001

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	11/01/2023 02:57	WG2161001
2-Chloronaphthalene	U		0.0682	0.250	1	11/01/2023 02:57	WG2161001
(S) Nitrobenzene-d5	*97.4*			*31.0-160*		*11/01/2023 02:57*	WG2161001
(S) 2-Fluorobiphenyl	*98.9*			*48.0-148*		*11/01/2023 02:57*	WG2161001
(S) p-Terphenyl-d14	*97.4*			*37.0-146*		*11/01/2023 02:57*	WG2161001

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	11/07/2023 12:35	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 19:16	WG2160512	
Acetone	U UJ		11.3	25.0	1	11/02/2023 07:19	WG2162809	
Acrylonitrile	U		0.671	5.00	1	11/02/2023 07:19	WG2162809	
Benzene	U		0.0941	0.500	1	11/02/2023 07:19	WG2162809	
Bromobenzene	U		0.118	0.500	1	11/02/2023 07:19	WG2162809	
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 07:19	WG2162809	
Bromochloromethane	U		0.128	0.500	1	11/02/2023 07:19	WG2162809	
Bromoform	U		0.129	0.500	1	11/02/2023 07:19	WG2162809	
Bromomethane	U UJ	C3	0.605	2.50	1	11/02/2023 07:19	WG2162809	
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 07:19	WG2162809	
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 07:19	WG2162809	
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 07:19	WG2162809	
Carbon disulfide	U UJ	C3	0.0962	0.500	1	11/02/2023 07:19	WG2162809	
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 07:19	WG2162809	
Chlorobenzene	U		0.117	0.500	1	11/02/2023 07:19	WG2162809	
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 07:19	WG2162809	
Chloroethane	U UJ	C3	0.192	2.50	1	11/02/2023 07:19	WG2162809	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~11/02/2023 07:19~~	WG2162809	R
Chloroform	U		0.111	0.500	1	11/02/2023 07:19	WG2162809	
Chloromethane	U		0.960	1.25	1	11/02/2023 07:19	WG2162809	
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 07:19	WG2162809	
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 07:19	WG2162809	
1,2-Dibromo-3-Chloropropane	U UJ		0.276	2.50	1	11/02/2023 07:19	WG2162809	
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 07:19	WG2162809	
Dibromomethane	U		0.122	0.500	1	11/02/2023 07:19	WG2162809	
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 07:19	WG2162809	
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 07:19	WG2162809	
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 07:19	WG2162809	
Dichlorodifluoromethane	U UJ		0.374	2.50	1	11/02/2023 07:19	WG2162809	
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 07:19	WG2162809	
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 07:19	WG2162809	
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 07:19	WG2162809	
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 07:19	WG2162809	
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 07:19	WG2162809	
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 07:19	WG2162809	
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 07:19	WG2162809	
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 07:19	WG2162809	
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 07:19	WG2162809	
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 07:19	WG2162809	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 07:19	WG2162809	
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 07:19	WG2162809	
Di-isopropyl ether	U UJ		0.105	0.500	1	11/02/2023 07:19	WG2162809	
Ethylbenzene	U		0.137	0.500	1	11/02/2023 07:19	WG2162809	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 07:19	WG2162809	
2-Hexanone	U		0.787	5.00	1	11/02/2023 07:19	WG2162809	
n-Hexane	U		0.749	5.00	1	11/02/2023 07:19	WG2162809	
Iodomethane	U UJ		0.554	5.00	1	11/02/2023 07:19	WG2162809	
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 07:19	WG2162809	
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 07:19	WG2162809	
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 07:19	WG2162809	

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	11/02/2023 07:19	WG2162809
4-Methyl-2-pentanone (MIBK)	U	UJ	0.478	5.00	1	11/02/2023 07:19	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 07:19	WG2162809
Naphthalene	U	UJ	~~C3~~ 0.174	2.50	1	11/02/2023 07:19	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 07:19	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 07:19	WG2162809
1,1,1,2-Tetrachloroethane	U	UJ	~~J4~~ 0.147	0.500	1	11/02/2023 07:19	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 07:19	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 07:19	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 07:19	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 07:19	WG2162809
1,2,3-Trichlorobenzene	U	UJ	~~C3~~ 0.164	0.500	1	11/02/2023 07:19	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 07:19	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 07:19	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 07:19	WG2162809
Trichloroethene	U	UJ	0.190	0.500	1	11/02/2023 07:19	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 07:19	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 07:19	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 07:19	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 07:19	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 07:19	WG2162809
Vinyl acetate	U	UJ	~~C3~~ 0.692	5.00	1	11/02/2023 07:19	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 07:19	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 07:19	WG2162809
(S) Toluene-d8	*103*			*80.0-120*		*11/02/2023 07:19*	WG2162809
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*11/02/2023 07:19*	WG2162809
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*11/02/2023 07:19*	WG2162809

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	11/04/2023 02:22	WG2162860
Atrazine	U	UJ	0.255	10.0	1	11/04/2023 02:22	WG2162860
Benzaldehyde	U	UJ	~~J4~~ 1.69	10.0	1	11/08/2023 01:19	WG2162860
Biphenyl	U		0.790	10.0	1	11/04/2023 02:22	WG2162860
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/04/2023 02:22	WG2162860
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/04/2023 02:22	WG2162860
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/04/2023 02:22	WG2162860
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/04/2023 02:22	WG2162860
Caprolactam	U		0.309	10.0	1	11/04/2023 02:22	WG2162860
Carbazole	U		0.111	10.0	1	11/04/2023 02:22	WG2162860
4-Chloroaniline	U		0.234	5.00	1	11/04/2023 02:22	WG2162860
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/04/2023 02:22	WG2162860
3,3-Dichlorobenzidine	U		0.212	10.0	1	11/04/2023 02:22	WG2162860
2,4-Dinitrotoluene	U		~~J4~~ 0.0983	5.00	1	11/04/2023 02:22	WG2162860
2,6-Dinitrotoluene	U		0.250	5.00	1	11/04/2023 02:22	WG2162860
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/04/2023 02:22	WG2162860
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/04/2023 02:22	WG2162860
Hexachloroethane	U		0.127	5.00	1	11/04/2023 02:22	WG2162860
Isophorone	U		0.143	10.0	1	11/04/2023 02:22	WG2162860
2-Nitroaniline	U		0.102	10.0	1	11/04/2023 02:22	WG2162860
3-Nitroaniline	U		0.0869	5.00	1	11/04/2023 02:22	WG2162860
4-Nitroaniline	U		0.0910	5.00	1	11/04/2023 02:22	WG2162860
Nitrobenzene	U		0.297	10.0	1	11/04/2023 02:22	WG2162860
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/04/2023 02:22	WG2162860
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/04/2023 02:22	WG2162860

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	11/04/2023 02:22	WG2162860
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/04/2023 02:22	WG2162860
Di-n-butyl phthalate	U		0.453	3.00	1	11/04/2023 02:22	WG2162860
Diethyl phthalate	U		0.287	3.00	1	11/04/2023 02:22	WG2162860
Dimethyl phthalate	U		0.260	3.00	1	11/04/2023 02:22	WG2162860
Di-n-octyl phthalate	U		0.932	3.00	1	11/04/2023 02:22	WG2162860
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/04/2023 02:22	WG2162860
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/04/2023 02:22	WG2162860
2-Chlorophenol	U		0.133	1.00	1	11/04/2023 02:22	WG2162860
2-Methylphenol	U		0.0929	1.00	1	11/04/2023 02:22	WG2162860
3&4-Methyl Phenol	U		0.168	1.00	1	11/04/2023 02:22	WG2162860
2,4-Dichlorophenol	U		0.102	5.00	1	11/04/2023 02:22	WG2162860
2,4-Dimethylphenol	U		0.0636	10.0	1	11/04/2023 02:22	WG2162860
4,6-Dinitro-2-methylphenol	U	UJ J4	1.12	10.0	1	11/04/2023 02:22	WG2162860
2,4-Dinitrophenol	U	UJ J4	5.93	10.0	1	11/04/2023 02:22	WG2162860
2-Nitrophenol	U	UJ	0.117	10.0	1	11/04/2023 02:22	WG2162860
4-Nitrophenol	U	UJ	0.143	10.0	1	11/04/2023 02:22	WG2162860
Pentachlorophenol	U		0.313	1.00	1	11/04/2023 02:22	WG2162860
Phenol	U		4.33	10.0	1	11/04/2023 02:22	WG2162860
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/04/2023 02:22	WG2162860
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/04/2023 02:22	WG2162860
(S) 2-Fluorophenol	*31.1*			*10.0-120*		*11/04/2023 02:22*	WG2162860
(S) 2-Fluorophenol	*35.8*			*10.0-120*		*11/08/2023 01:19*	WG2162860
(S) Phenol-d5	*26.8*			*10.0-120*		*11/08/2023 01:19*	WG2162860
(S) Phenol-d5	*18.6*			*10.0-120*		*11/04/2023 02:22*	WG2162860
(S) Nitrobenzene-d5	*73.1*			*10.0-127*		*11/08/2023 01:19*	WG2162860
(S) Nitrobenzene-d5	*67.4*			*10.0-127*		*11/04/2023 02:22*	WG2162860
(S) 2-Fluorobiphenyl	*67.8*			*10.0-130*		*11/04/2023 02:22*	WG2162860
(S) 2-Fluorobiphenyl	*67.8*			*10.0-130*		*11/08/2023 01:19*	WG2162860
(S) 2,4,6-Tribromophenol	*83.5*			*10.0-155*		*11/08/2023 01:19*	WG2162860
(S) 2,4,6-Tribromophenol	*71.0*			*10.0-155*		*11/04/2023 02:22*	WG2162860
(S) p-Terphenyl-d14	*87.0*			*10.0-128*		*11/04/2023 02:22*	WG2162860
(S) p-Terphenyl-d14	*91.7*			*10.0-128*		*11/08/2023 01:19*	WG2162860

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	11/03/2023 02:10	WG2161927
Acenaphthene	U		0.0190	0.0500	1	11/03/2023 02:10	WG2161927
Acenaphthylene	U		0.0171	0.0500	1	11/03/2023 02:10	WG2161927
Benzo(a)anthracene	U		0.0203	0.0500	1	11/03/2023 02:10	WG2161927
Benzo(a)pyrene	U		0.0184	0.0500	1	11/03/2023 02:10	WG2161927
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/03/2023 02:10	WG2161927
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/03/2023 02:10	WG2161927
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/03/2023 02:10	WG2161927
Chrysene	U		0.0179	0.0500	1	11/03/2023 02:10	WG2161927
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/03/2023 02:10	WG2161927
Dibenzofuran	U		0.0191	0.0500	1	11/03/2023 02:10	WG2161927
Fluoranthene	U		0.0270	0.100	1	11/03/2023 02:10	WG2161927
Fluorene	U		0.0169	0.0500	1	11/03/2023 02:10	WG2161927
Hexachlorobenzene	U		0.00670	0.0500	1	11/03/2023 02:10	WG2161927
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/03/2023 02:10	WG2161927
Naphthalene	U		0.0917	0.250	1	11/03/2023 02:10	WG2161927
Phenanthrene	U		0.0180	0.0500	1	11/03/2023 02:10	WG2161927
Pyrene	U		0.0169	0.0500	1	11/03/2023 02:10	WG2161927
1-Methylnaphthalene	U		0.0687	0.250	1	11/03/2023 02:10	WG2161927

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	11/03/2023 02:10	WG2161927
2-Chloronaphthalene	U		0.0682	0.250	1	11/03/2023 02:10	WG2161927
(S) Nitrobenzene-d5	*90.0*			*31.0-160*		*11/03/2023 02:10*	WG2161927
(S) 2-Fluorobiphenyl	*75.3*			*48.0-148*		*11/03/2023 02:10*	WG2161927
(S) p-Terphenyl-d14	*87.4*			*37.0-146*		*11/03/2023 02:10*	WG2161927

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	11/07/2023 12:39	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 19:40	WG2160512	
Acetone	U UJ		11.3	25.0	1	11/02/2023 07:38	WG2162809	
Acrylonitrile	U		0.671	5.00	1	11/02/2023 07:38	WG2162809	
Benzene	U		0.0941	0.500	1	11/02/2023 07:38	WG2162809	
Bromobenzene	U		0.118	0.500	1	11/02/2023 07:38	WG2162809	
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 07:38	WG2162809	
Bromochloromethane	U		0.128	0.500	1	11/02/2023 07:38	WG2162809	
Bromoform	U		0.129	0.500	1	11/02/2023 07:38	WG2162809	
Bromomethane	U UJ	C3	0.605	2.50	1	11/02/2023 07:38	WG2162809	
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 07:38	WG2162809	
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 07:38	WG2162809	
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 07:38	WG2162809	
Carbon disulfide	U UJ	C3	0.0962	0.500	1	11/02/2023 07:38	WG2162809	
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 07:38	WG2162809	
Chlorobenzene	U		0.117	0.500	1	11/02/2023 07:38	WG2162809	
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 07:38	WG2162809	
Chloroethane	U UJ	C3	0.192	2.50	1	11/02/2023 07:38	WG2162809	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~11/02/2023 07:38~~	WG2162809	R
Chloroform	1.24		0.111	0.500	1	11/02/2023 07:38	WG2162809	
Chloromethane	U		0.960	1.25	1	11/02/2023 07:38	WG2162809	
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 07:38	WG2162809	
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 07:38	WG2162809	
1,2-Dibromo-3-Chloropropane	U UJ		0.276	2.50	1	11/02/2023 07:38	WG2162809	
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 07:38	WG2162809	
Dibromomethane	U		0.122	0.500	1	11/02/2023 07:38	WG2162809	
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 07:38	WG2162809	
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 07:38	WG2162809	
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 07:38	WG2162809	
Dichlorodifluoromethane	U UJ		0.374	2.50	1	11/02/2023 07:38	WG2162809	
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 07:38	WG2162809	
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 07:38	WG2162809	
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 07:38	WG2162809	
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 07:38	WG2162809	
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 07:38	WG2162809	
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 07:38	WG2162809	
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 07:38	WG2162809	
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 07:38	WG2162809	
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 07:38	WG2162809	
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 07:38	WG2162809	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 07:38	WG2162809	
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 07:38	WG2162809	
Di-isopropyl ether	U UJ		0.105	0.500	1	11/02/2023 07:38	WG2162809	
Ethylbenzene	U		0.137	0.500	1	11/02/2023 07:38	WG2162809	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 07:38	WG2162809	
2-Hexanone	U		0.787	5.00	1	11/02/2023 07:38	WG2162809	
n-Hexane	U		0.749	5.00	1	11/02/2023 07:38	WG2162809	
Iodomethane	U UJ		0.554	5.00	1	11/02/2023 07:38	WG2162809	
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 07:38	WG2162809	
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 07:38	WG2162809	
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 07:38	WG2162809	

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	11/02/2023 07:38	WG2162809
4-Methyl-2-pentanone (MIBK)	U	UJ	0.478	5.00	1	11/02/2023 07:38	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 07:38	WG2162809
Naphthalene	U	UJ C3	0.174	2.50	1	11/02/2023 07:38	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 07:38	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 07:38	WG2162809
1,1,1,2-Tetrachloroethane	U	UJ J4	0.147	0.500	1	11/02/2023 07:38	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 07:38	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 07:38	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 07:38	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 07:38	WG2162809
1,2,3-Trichlorobenzene	U	UJ C3	0.164	0.500	1	11/02/2023 07:38	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 07:38	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 07:38	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 07:38	WG2162809
Trichloroethene	U	UJ	0.190	0.500	1	11/02/2023 07:38	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 07:38	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 07:38	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 07:38	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 07:38	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 07:38	WG2162809
Vinyl acetate	U	UJ C3	0.692	5.00	1	11/02/2023 07:38	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 07:38	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 07:38	WG2162809
(S) Toluene-d8	*104*			*80.0-120*		*11/02/2023 07:38*	WG2162809
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*11/02/2023 07:38*	WG2162809
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*11/02/2023 07:38*	WG2162809

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	11/04/2023 02:43	WG2162860
Atrazine	U	UJ	0.255	10.0	1	11/04/2023 02:43	WG2162860
Benzaldehyde	U	UJ J4	1.69	10.0	1	11/08/2023 01:40	WG2162860
Biphenyl	U		0.790	10.0	1	11/04/2023 02:43	WG2162860
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/04/2023 02:43	WG2162860
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/04/2023 02:43	WG2162860
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/04/2023 02:43	WG2162860
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/04/2023 02:43	WG2162860
Caprolactam	U		0.309	10.0	1	11/04/2023 02:43	WG2162860
Carbazole	U		0.111	10.0	1	11/04/2023 02:43	WG2162860
4-Chloroaniline	U		0.234	5.00	1	11/04/2023 02:43	WG2162860
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/04/2023 02:43	WG2162860
3,3-Dichlorobenzidine	U		0.212	10.0	1	11/04/2023 02:43	WG2162860
2,4-Dinitrotoluene	U	J4	0.0983	5.00	1	11/04/2023 02:43	WG2162860
2,6-Dinitrotoluene	U		0.250	5.00	1	11/04/2023 02:43	WG2162860
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/04/2023 02:43	WG2162860
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/04/2023 02:43	WG2162860
Hexachloroethane	U		0.127	5.00	1	11/04/2023 02:43	WG2162860
Isophorone	U		0.143	10.0	1	11/04/2023 02:43	WG2162860
2-Nitroaniline	U		0.102	10.0	1	11/04/2023 02:43	WG2162860
3-Nitroaniline	U		0.0869	5.00	1	11/04/2023 02:43	WG2162860
4-Nitroaniline	U		0.0910	5.00	1	11/04/2023 02:43	WG2162860
Nitrobenzene	U		0.297	10.0	1	11/04/2023 02:43	WG2162860
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/04/2023 02:43	WG2162860
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/04/2023 02:43	WG2162860

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	11/04/2023 02:43	WG2162860
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/04/2023 02:43	WG2162860
Di-n-butyl phthalate	U		0.453	3.00	1	11/04/2023 02:43	WG2162860
Diethyl phthalate	U		0.287	3.00	1	11/04/2023 02:43	WG2162860
Dimethyl phthalate	U		0.260	3.00	1	11/04/2023 02:43	WG2162860
Di-n-octyl phthalate	U		0.932	3.00	1	11/04/2023 02:43	WG2162860
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/04/2023 02:43	WG2162860
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/04/2023 02:43	WG2162860
2-Chlorophenol	U		0.133	1.00	1	11/04/2023 02:43	WG2162860
2-Methylphenol	U		0.0929	1.00	1	11/04/2023 02:43	WG2162860
3&4-Methyl Phenol	U		0.168	1.00	1	11/04/2023 02:43	WG2162860
2,4-Dichlorophenol	U		0.102	5.00	1	11/04/2023 02:43	WG2162860
2,4-Dimethylphenol	U		0.0636	10.0	1	11/04/2023 02:43	WG2162860
4,6-Dinitro-2-methylphenol	U	UJ J4	1.12	10.0	1	11/04/2023 02:43	WG2162860
2,4-Dinitrophenol	U	UJ J4	5.93	10.0	1	11/04/2023 02:43	WG2162860
2-Nitrophenol	U	UJ	0.117	10.0	1	11/04/2023 02:43	WG2162860
4-Nitrophenol	U	UJ	0.143	10.0	1	11/04/2023 02:43	WG2162860
Pentachlorophenol	U		0.313	1.00	1	11/04/2023 02:43	WG2162860
Phenol	U		4.33	10.0	1	11/04/2023 02:43	WG2162860
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/04/2023 02:43	WG2162860
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/04/2023 02:43	WG2162860
(S) 2-Fluorophenol	*29.2*			*10.0-120*		*11/04/2023 02:43*	WG2162860
(S) 2-Fluorophenol	*36.5*			*10.0-120*		*11/08/2023 01:40*	WG2162860
(S) Phenol-d5	*18.4*			*10.0-120*		*11/04/2023 02:43*	WG2162860
(S) Phenol-d5	*25.7*			*10.0-120*		*11/08/2023 01:40*	WG2162860
(S) Nitrobenzene-d5	*64.1*			*10.0-127*		*11/04/2023 02:43*	WG2162860
(S) Nitrobenzene-d5	*73.6*			*10.0-127*		*11/08/2023 01:40*	WG2162860
(S) 2-Fluorobiphenyl	*64.8*			*10.0-130*		*11/04/2023 02:43*	WG2162860
(S) 2-Fluorobiphenyl	*67.1*			*10.0-130*		*11/08/2023 01:40*	WG2162860
(S) 2,4,6-Tribromophenol	*67.4*			*10.0-155*		*11/04/2023 02:43*	WG2162860
(S) 2,4,6-Tribromophenol	*75.3*			*10.0-155*		*11/08/2023 01:40*	WG2162860
(S) p-Terphenyl-d14	*87.1*			*10.0-128*		*11/08/2023 01:40*	WG2162860
(S) p-Terphenyl-d14	*81.3*			*10.0-128*		*11/04/2023 02:43*	WG2162860

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	11/03/2023 02:28	WG2161927
Acenaphthene	U		0.0190	0.0500	1	11/03/2023 02:28	WG2161927
Acenaphthylene	U		0.0171	0.0500	1	11/03/2023 02:28	WG2161927
Benzo(a)anthracene	U		0.0203	0.0500	1	11/03/2023 02:28	WG2161927
Benzo(a)pyrene	U		0.0184	0.0500	1	11/03/2023 02:28	WG2161927
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/03/2023 02:28	WG2161927
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/03/2023 02:28	WG2161927
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/03/2023 02:28	WG2161927
Chrysene	U		0.0179	0.0500	1	11/03/2023 02:28	WG2161927
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/03/2023 02:28	WG2161927
Dibenzofuran	U		0.0191	0.0500	1	11/03/2023 02:28	WG2161927
Fluoranthene	U		0.0270	0.100	1	11/03/2023 02:28	WG2161927
Fluorene	U		0.0169	0.0500	1	11/03/2023 02:28	WG2161927
Hexachlorobenzene	U		0.00670	0.0500	1	11/03/2023 02:28	WG2161927
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/03/2023 02:28	WG2161927
Naphthalene	U		0.0917	0.250	1	11/03/2023 02:28	WG2161927
Phenanthrene	U		0.0180	0.0500	1	11/03/2023 02:28	WG2161927
Pyrene	U		0.0169	0.0500	1	11/03/2023 02:28	WG2161927
1-Methylnaphthalene	U		0.0687	0.250	1	11/03/2023 02:28	WG2161927

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	11/03/2023 02:28	WG2161927
2-Chloronaphthalene	U		0.0682	0.250	1	11/03/2023 02:28	WG2161927
(S) Nitrobenzene-d5	*93.7*			*31.0-160*		*11/03/2023 02:28*	WG2161927
(S) 2-Fluorobiphenyl	*79.5*			*48.0-148*		*11/03/2023 02:28*	WG2161927
(S) p-Terphenyl-d14	*90.0*			*37.0-146*		*11/03/2023 02:28*	WG2161927

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	11/07/2023 12:53	WG2162517

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	J4	0.000520	0.00500	1	11/01/2023 20:04	WG2160512	
Acetone	U	UJ	11.3	25.0	1	11/02/2023 07:57	WG2162809	
Acrylonitrile	U		0.671	5.00	1	11/02/2023 07:57	WG2162809	
Benzene	U		0.0941	0.500	1	11/02/2023 07:57	WG2162809	
Bromobenzene	U		0.118	0.500	1	11/02/2023 07:57	WG2162809	
Bromodichloromethane	U		0.136	0.500	1	11/02/2023 07:57	WG2162809	
Bromochloromethane	U		0.128	0.500	1	11/02/2023 07:57	WG2162809	
Bromoform	U		0.129	0.500	1	11/02/2023 07:57	WG2162809	
Bromomethane	U	UJ C3	0.605	2.50	1	11/02/2023 07:57	WG2162809	
n-Butylbenzene	U		0.157	0.500	1	11/02/2023 07:57	WG2162809	
sec-Butylbenzene	U		0.125	0.500	1	11/02/2023 07:57	WG2162809	
tert-Butylbenzene	U		0.127	0.500	1	11/02/2023 07:57	WG2162809	
Carbon disulfide	U	UJ C3	0.0962	0.500	1	11/02/2023 07:57	WG2162809	
Carbon tetrachloride	U		0.128	0.500	1	11/02/2023 07:57	WG2162809	
Chlorobenzene	U		0.117	0.500	1	11/02/2023 07:57	WG2162809	
Chlorodibromomethane	U	J4	0.140	0.500	1	11/02/2023 07:57	WG2162809	
Chloroethane	U	UJ C3	0.192	2.50	1	11/02/2023 07:57	WG2162809	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~11/02/2023 07:57~~	WG2162809	R
Chloroform	1.04		0.111	0.500	1	11/02/2023 07:57	WG2162809	
Chloromethane	U		0.960	1.25	1	11/02/2023 07:57	WG2162809	
2-Chlorotoluene	U		0.106	0.500	1	11/02/2023 07:57	WG2162809	
4-Chlorotoluene	U		0.114	0.500	1	11/02/2023 07:57	WG2162809	
1,2-Dibromo-3-Chloropropane	U	UJ	0.276	2.50	1	11/02/2023 07:57	WG2162809	
1,2-Dibromoethane	U		0.126	0.500	1	11/02/2023 07:57	WG2162809	
Dibromomethane	U		0.122	0.500	1	11/02/2023 07:57	WG2162809	
1,2-Dichlorobenzene	U	J4	0.107	0.500	1	11/02/2023 07:57	WG2162809	
1,3-Dichlorobenzene	U		0.299	0.500	1	11/02/2023 07:57	WG2162809	
1,4-Dichlorobenzene	U		0.120	0.500	1	11/02/2023 07:57	WG2162809	
Dichlorodifluoromethane	U	UJ	0.374	2.50	1	11/02/2023 07:57	WG2162809	
1,1-Dichloroethane	U		0.100	0.500	1	11/02/2023 07:57	WG2162809	
1,2-Dichloroethane	U		0.0819	0.500	1	11/02/2023 07:57	WG2162809	
1,1-Dichloroethene	U		0.188	0.500	1	11/02/2023 07:57	WG2162809	
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/02/2023 07:57	WG2162809	
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/02/2023 07:57	WG2162809	
1,2-Dichloropropane	U		0.149	0.500	1	11/02/2023 07:57	WG2162809	
1,1-Dichloropropene	U		0.142	0.500	1	11/02/2023 07:57	WG2162809	
1,3-Dichloropropane	U		0.109	1.00	1	11/02/2023 07:57	WG2162809	
cis-1,3-Dichloropropene	U		0.111	0.500	1	11/02/2023 07:57	WG2162809	
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/02/2023 07:57	WG2162809	
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	11/02/2023 07:57	WG2162809	
2,2-Dichloropropane	U		0.161	0.500	1	11/02/2023 07:57	WG2162809	
Di-isopropyl ether	U	UJ	0.105	0.500	1	11/02/2023 07:57	WG2162809	
Ethylbenzene	U		0.137	0.500	1	11/02/2023 07:57	WG2162809	
Hexachloro-1,3-butadiene	U		0.337	1.00	1	11/02/2023 07:57	WG2162809	
2-Hexanone	U		0.787	5.00	1	11/02/2023 07:57	WG2162809	
n-Hexane	U		0.749	5.00	1	11/02/2023 07:57	WG2162809	
Iodomethane	U	UJ	0.554	5.00	1	11/02/2023 07:57	WG2162809	
Isopropylbenzene	U		0.105	0.500	1	11/02/2023 07:57	WG2162809	
p-Isopropyltoluene	U		0.120	0.500	1	11/02/2023 07:57	WG2162809	
2-Butanone (MEK)	U		1.19	5.00	1	11/02/2023 07:57	WG2162809	

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	11/02/2023 07:57	WG2162809
4-Methyl-2-pentanone (MIBK)	U UJ		0.478	5.00	1	11/02/2023 07:57	WG2162809
Methyl tert-butyl ether	U		0.101	0.500	1	11/02/2023 07:57	WG2162809
Naphthalene	U UJ	~~C3~~	0.174	2.50	1	11/02/2023 07:57	WG2162809
n-Propylbenzene	U		0.0993	0.500	1	11/02/2023 07:57	WG2162809
Styrene	U		0.118	0.500	1	11/02/2023 07:57	WG2162809
1,1,1,2-Tetrachloroethane	U UJ	~~J4~~	0.147	0.500	1	11/02/2023 07:57	WG2162809
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/02/2023 07:57	WG2162809
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/02/2023 07:57	WG2162809
Tetrachloroethene	U		0.300	0.500	1	11/02/2023 07:57	WG2162809
Toluene	U		0.278	0.500	1	11/02/2023 07:57	WG2162809
1,2,3-Trichlorobenzene	U UJ	~~C3~~	0.164	0.500	1	11/02/2023 07:57	WG2162809
1,2,4-Trichlorobenzene	U		0.481	1.00	1	11/02/2023 07:57	WG2162809
1,1,1-Trichloroethane	U		0.149	0.500	1	11/02/2023 07:57	WG2162809
1,1,2-Trichloroethane	U		0.158	0.500	1	11/02/2023 07:57	WG2162809
Trichloroethene	U UJ		0.190	0.500	1	11/02/2023 07:57	WG2162809
Trichlorofluoromethane	U		0.160	2.50	1	11/02/2023 07:57	WG2162809
1,2,3-Trichloropropane	U		0.237	2.50	1	11/02/2023 07:57	WG2162809
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/02/2023 07:57	WG2162809
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 07:57	WG2162809
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/02/2023 07:57	WG2162809
Vinyl acetate	U UJ	~~C3~~	0.692	5.00	1	11/02/2023 07:57	WG2162809
Vinyl chloride	U		0.234	0.500	1	11/02/2023 07:57	WG2162809
Xylenes, Total	U		0.174	1.50	1	11/02/2023 07:57	WG2162809
(S) Toluene-d8	*108*			*80.0-120*		*11/02/2023 07:57*	WG2162809
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*11/02/2023 07:57*	WG2162809
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*11/02/2023 07:57*	WG2162809

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	11/02/2023 01:15	WG2161005	
Atrazine	U		0.255	10.0	1	11/02/2023 01:15	WG2161005	
~~Benzaldehyde~~	~~U~~	~~J4~~	~~1.69~~	~~10.0~~	~~1~~	~~11/02/2023 01:15~~	~~WG2161005~~	R
Biphenyl	U		0.790	10.0	1	11/02/2023 01:15	WG2161005	
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/02/2023 01:15	WG2161005	
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/02/2023 01:15	WG2161005	
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/02/2023 01:15	WG2161005	
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/02/2023 01:15	WG2161005	
Caprolactam	U		0.309	10.0	1	11/02/2023 01:15	WG2161005	
Carbazole	U		0.111	10.0	1	11/02/2023 01:15	WG2161005	
4-Chloroaniline	U		0.234	5.00	1	11/02/2023 01:15	WG2161005	
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/02/2023 01:15	WG2161005	
3,3-Dichlorobenzidine	U		0.212	10.0	1	11/02/2023 01:15	WG2161005	
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/08/2023 21:25	WG2161005	
2,6-Dinitrotoluene	U		0.250	5.00	1	11/02/2023 01:15	WG2161005	
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/02/2023 01:15	WG2161005	
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/02/2023 01:15	WG2161005	
Hexachloroethane	U		0.127	5.00	1	11/02/2023 01:15	WG2161005	
Isophorone	U		0.143	10.0	1	11/02/2023 01:15	WG2161005	
2-Nitroaniline	U UJ		0.102	10.0	1	11/02/2023 01:15	WG2161005	
3-Nitroaniline	U		0.0869	5.00	1	11/02/2023 01:15	WG2161005	
4-Nitroaniline	U		0.0910	5.00	1	11/02/2023 01:15	WG2161005	
Nitrobenzene	U		0.297	10.0	1	11/02/2023 01:15	WG2161005	
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/02/2023 01:15	WG2161005	
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/02/2023 01:15	WG2161005	

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 UJ		0.765	3.00	1	11/02/2023 01:15	WG2161005
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/02/2023 01:15	WG2161005
Di-n-butyl phthalate	U		0.453	3.00	1	11/02/2023 01:15	WG2161005
Diethyl phthalate	U		0.287	3.00	1	11/02/2023 01:15	WG2161005
Dimethyl phthalate	U		0.260	3.00	1	11/02/2023 01:15	WG2161005
Di-n-octyl phthalate	U		0.932	3.00	1	11/02/2023 01:15	WG2161005
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/02/2023 01:15	WG2161005
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/02/2023 01:15	WG2161005
2-Chlorophenol	U		0.133	1.00	1	11/02/2023 01:15	WG2161005
2-Methylphenol	U		0.0929	1.00	1	11/02/2023 01:15	WG2161005
3&4-Methyl Phenol	U		0.168	1.00	1	11/02/2023 01:15	WG2161005
2,4-Dichlorophenol	U		0.102	5.00	1	11/02/2023 01:15	WG2161005
2,4-Dimethylphenol	U UJ		0.0636	10.0	1	11/02/2023 01:15	WG2161005
4,6-Dinitro-2-methylphenol	U UJ		1.12	10.0	1	11/02/2023 01:15	WG2161005
2,4-Dinitrophenol	U UJ		5.93	10.0	1	11/02/2023 01:15	WG2161005
2-Nitrophenol	U		0.117	10.0	1	11/02/2023 01:15	WG2161005
4-Nitrophenol	U UJ	~~J4~~	0.143	10.0	1	11/02/2023 01:15	WG2161005
Pentachlorophenol	U UJ		0.313	1.00	1	11/02/2023 01:15	WG2161005
Phenol	U UJ		4.33	10.0	1	11/02/2023 01:15	WG2161005
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/02/2023 01:15	WG2161005
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/02/2023 01:15	WG2161005
(S) 2-Fluorophenol	*35.8*			*10.0-120*		*11/02/2023 01:15*	WG2161005
(S) 2-Fluorophenol	*32.7*			*10.0-120*		*11/08/2023 21:25*	WG2161005
(S) Phenol-d5	*20.3*			*10.0-120*		*11/08/2023 21:25*	WG2161005
(S) Phenol-d5	*21.9*			*10.0-120*		*11/02/2023 01:15*	WG2161005
(S) Nitrobenzene-d5	*78.7*			*10.0-127*		*11/08/2023 21:25*	WG2161005
(S) Nitrobenzene-d5	*72.2*			*10.0-127*		*11/02/2023 01:15*	WG2161005
(S) 2-Fluorobiphenyl	*65.5*			*10.0-130*		*11/02/2023 01:15*	WG2161005
(S) 2-Fluorobiphenyl	*67.4*			*10.0-130*		*11/08/2023 21:25*	WG2161005
(S) 2,4,6-Tribromophenol	*65.8*			*10.0-155*		*11/02/2023 01:15*	WG2161005
(S) 2,4,6-Tribromophenol	*67.9*			*10.0-155*		*11/08/2023 21:25*	WG2161005
(S) p-Terphenyl-d14	*90.3*			*10.0-128*		*11/08/2023 21:25*	WG2161005
(S) p-Terphenyl-d14	*80.7*			*10.0-128*		*11/02/2023 01:15*	WG2161005

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	11/01/2023 03:14	WG2161001
Acenaphthene	U		0.0190	0.0500	1	11/01/2023 03:14	WG2161001
Acenaphthylene	U		0.0171	0.0500	1	11/01/2023 03:14	WG2161001
Benzo(a)anthracene	U		0.0203	0.0500	1	11/01/2023 03:14	WG2161001
Benzo(a)pyrene	U		0.0184	0.0500	1	11/01/2023 03:14	WG2161001
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/01/2023 03:14	WG2161001
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/01/2023 03:14	WG2161001
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/01/2023 03:14	WG2161001
Chrysene	U		0.0179	0.0500	1	11/01/2023 03:14	WG2161001
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/01/2023 03:14	WG2161001
Dibenzofuran	U		0.0191	0.0500	1	11/01/2023 03:14	WG2161001
Fluoranthene	U		0.0270	0.100	1	11/01/2023 03:14	WG2161001
Fluorene	U		0.0169	0.0500	1	11/01/2023 03:14	WG2161001
Hexachlorobenzene	U		0.00670	0.0500	1	11/01/2023 03:14	WG2161001
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/01/2023 03:14	WG2161001
Naphthalene	U		0.0917	0.250	1	11/01/2023 03:14	WG2161001
Phenanthrene	0.0181 J	~~B J~~	0.0180	0.0500	1	11/01/2023 03:14	WG2161001
Pyrene	U		0.0169	0.0500	1	11/01/2023 03:14	WG2161001
1-Methylnaphthalene	U		0.0687	0.250	1	11/01/2023 03:14	WG2161001

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	11/01/2023 03:14	WG2161001
2-Chloronaphthalene	U		0.0682	0.250	1	11/01/2023 03:14	WG2161001
(S) Nitrobenzene-d5	*97.4*			*31.0-160*		*11/01/2023 03:14*	WG2161001
(S) 2-Fluorobiphenyl	*99.5*			*48.0-148*		*11/01/2023 03:14*	WG2161001
(S) p-Terphenyl-d14	*97.9*			*37.0-146*		*11/01/2023 03:14*	WG2161001

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	11/07/2023 12:57	WG2162517

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	~~J4~~	0.000520	0.00500	1	11/01/2023 20:28	WG2160512	
Acetone	U	UJ ~~C3~~	11.3	25.0	1	11/03/2023 14:14	WG2164041	
Acrylonitrile	U		0.671	5.00	1	11/03/2023 14:14	WG2164041	
Benzene	0.242	J	0.0941	0.500	1	11/03/2023 14:14	WG2164041	
Bromobenzene	U		0.118	0.500	1	11/03/2023 14:14	WG2164041	
Bromodichloromethane	U		0.136	0.500	1	11/03/2023 14:14	WG2164041	
Bromochloromethane	U		0.128	0.500	1	11/03/2023 14:14	WG2164041	
Bromoform	U		0.129	0.500	1	11/03/2023 14:14	WG2164041	
Bromomethane	U	UJ	0.605	2.50	1	11/03/2023 14:14	WG2164041	
n-Butylbenzene	U	UJ	0.157	0.500	1	11/03/2023 14:14	WG2164041	
sec-Butylbenzene	U		0.125	0.500	1	11/03/2023 14:14	WG2164041	
tert-Butylbenzene	U		0.127	0.500	1	11/03/2023 14:14	WG2164041	
Carbon disulfide	2.37	J	0.0962	0.500	1	11/03/2023 14:14	WG2164041	
Carbon tetrachloride	U		0.128	0.500	1	11/03/2023 14:14	WG2164041	
Chlorobenzene	U		0.117	0.500	1	11/03/2023 14:14	WG2164041	
Chlorodibromomethane	U		0.140	0.500	1	11/03/2023 14:14	WG2164041	
Chloroethane	U		0.192	2.50	1	11/03/2023 14:14	WG2164041	
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~11/03/2023 14:14~~	WG2164041	R
Chloroform	1.31		0.111	0.500	1	11/03/2023 14:14	WG2164041	
Chloromethane	U	UJ	0.960	1.25	1	11/03/2023 14:14	WG2164041	
2-Chlorotoluene	U		0.106	0.500	1	11/03/2023 14:14	WG2164041	
4-Chlorotoluene	U		0.114	0.500	1	11/03/2023 14:14	WG2164041	
1,2-Dibromo-3-Chloropropane	U	UJ	0.276	2.50	1	11/03/2023 14:14	WG2164041	
1,2-Dibromoethane	U		0.126	0.500	1	11/03/2023 14:14	WG2164041	
Dibromomethane	U		0.122	0.500	1	11/03/2023 14:14	WG2164041	
1,2-Dichlorobenzene	U		0.107	0.500	1	11/03/2023 14:14	WG2164041	
1,3-Dichlorobenzene	U		0.299	0.500	1	11/03/2023 14:14	WG2164041	
1,4-Dichlorobenzene	U		0.120	0.500	1	11/03/2023 14:14	WG2164041	
Dichlorodifluoromethane	U	UJ	0.374	2.50	1	11/03/2023 14:14	WG2164041	
1,1-Dichloroethane	U		0.100	0.500	1	11/03/2023 14:14	WG2164041	
1,2-Dichloroethane	U		0.0819	0.500	1	11/03/2023 14:14	WG2164041	
1,1-Dichloroethene	U		0.188	0.500	1	11/03/2023 14:14	WG2164041	
cis-1,2-Dichloroethene	U		0.126	0.500	1	11/03/2023 14:14	WG2164041	
trans-1,2-Dichloroethene	U		0.149	0.500	1	11/03/2023 14:14	WG2164041	
1,2-Dichloropropane	U		0.149	0.500	1	11/03/2023 14:14	WG2164041	
1,1-Dichloropropene	U		0.142	0.500	1	11/03/2023 14:14	WG2164041	
1,3-Dichloropropane	U		0.109	1.00	1	11/03/2023 14:14	WG2164041	
cis-1,3-Dichloropropene	U	UJ	0.111	0.500	1	11/03/2023 14:14	WG2164041	
trans-1,3-Dichloropropene	U		0.118	0.500	1	11/03/2023 14:14	WG2164041	
trans-1,4-Dichloro-2-butene	U	UJ	0.467	5.00	1	11/03/2023 14:14	WG2164041	
2,2-Dichloropropane	U		0.161	0.500	1	11/03/2023 14:14	WG2164041	
Di-isopropyl ether	U		0.105	0.500	1	11/03/2023 14:14	WG2164041	
Ethylbenzene	U		0.137	0.500	1	11/03/2023 14:14	WG2164041	
Hexachloro-1,3-butadiene	U	UJ	0.337	1.00	1	11/03/2023 14:14	WG2164041	
2-Hexanone	U	UJ	0.787	5.00	1	11/03/2023 14:14	WG2164041	
n-Hexane	U		0.749	5.00	1	11/03/2023 14:14	WG2164041	
Iodomethane	U	UJ	0.554	5.00	1	11/03/2023 14:14	WG2164041	
Isopropylbenzene	U		0.105	0.500	1	11/03/2023 14:14	WG2164041	
p-Isopropyltoluene	U		0.120	0.500	1	11/03/2023 14:14	WG2164041	
2-Butanone (MEK)	U	UJ	1.19	5.00	1	11/03/2023 14:14	WG2164041	

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	11/03/2023 14:14	WG2164041
4-Methyl-2-pentanone (MIBK)	U	UJ	0.478	5.00	1	11/03/2023 14:14	WG2164041
Methyl tert-butyl ether	U		0.101	0.500	1	11/03/2023 14:14	WG2164041
Naphthalene	U	UJ	0.174	2.50	1	11/03/2023 14:14	WG2164041
n-Propylbenzene	U		0.0993	0.500	1	11/03/2023 14:14	WG2164041
Styrene	U	UJ	0.118	0.500	1	11/03/2023 14:14	WG2164041
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	11/03/2023 14:14	WG2164041
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	11/03/2023 14:14	WG2164041
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	11/03/2023 14:14	WG2164041
Tetrachloroethene	U		0.300	0.500	1	11/03/2023 14:14	WG2164041
Toluene	U		0.278	0.500	1	11/03/2023 14:14	WG2164041
1,2,3-Trichlorobenzene	U	UJ	0.164	0.500	1	11/03/2023 14:14	WG2164041
1,2,4-Trichlorobenzene	U	UJ	0.481	1.00	1	11/03/2023 14:14	WG2164041
1,1,1-Trichloroethane	U		0.149	0.500	1	11/03/2023 14:14	WG2164041
1,1,2-Trichloroethane	U		0.158	0.500	1	11/03/2023 14:14	WG2164041
Trichloroethene	U		0.190	0.500	1	11/03/2023 14:14	WG2164041
Trichlorofluoromethane	U	UJ	0.160	2.50	1	11/03/2023 14:14	WG2164041
1,2,3-Trichloropropane	U		0.237	2.50	1	11/03/2023 14:14	WG2164041
1,2,4-Trimethylbenzene	U		0.322	0.500	1	11/03/2023 14:14	WG2164041
1,2,3-Trimethylbenzene	U		0.104	0.500	1	11/03/2023 14:14	WG2164041
1,3,5-Trimethylbenzene	U		0.104	0.500	1	11/03/2023 14:14	WG2164041
Vinyl acetate	U	UJ	0.692	5.00	1	11/03/2023 14:14	WG2164041
Vinyl chloride	U		0.234	0.500	1	11/03/2023 14:14	WG2164041
Xylenes, Total	U		0.174	1.50	1	11/03/2023 14:14	WG2164041
(S) Toluene-d8	*103*			*80.0-120*		*11/03/2023 14:14*	WG2164041
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*11/03/2023 14:14*	WG2164041
(S) 1,2-Dichloroethane-d4	*99.2*			*70.0-130*		*11/03/2023 14:14*	WG2164041

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	11/02/2023 01:36	WG2161005	
Atrazine	U		0.255	10.0	1	11/02/2023 01:36	WG2161005	
~~Benzaldehyde~~	~~U~~	~~J4~~	~~1.69~~	~~10.0~~	~~1~~	~~11/02/2023 01:36~~	~~WG2161005~~	R
Biphenyl	U		0.790	10.0	1	11/02/2023 01:36	WG2161005	
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	11/02/2023 01:36	WG2161005	
Bis(2-chloroethyl)ether	U		0.137	1.00	1	11/02/2023 01:36	WG2161005	
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	11/02/2023 01:36	WG2161005	
4-Bromophenyl-phenylether	U		0.0877	10.0	1	11/02/2023 01:36	WG2161005	
Caprolactam	U		0.309	10.0	1	11/02/2023 01:36	WG2161005	
Carbazole	U		0.111	10.0	1	11/02/2023 01:36	WG2161005	
4-Chloroaniline	U		0.234	5.00	1	11/02/2023 01:36	WG2161005	
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	11/02/2023 01:36	WG2161005	
3,3-Dichlorobenzidine	U		0.212	10.0	1	11/02/2023 01:36	WG2161005	
2,4-Dinitrotoluene	U		0.0983	5.00	1	11/08/2023 21:46	WG2161005	
2,6-Dinitrotoluene	U		0.250	5.00	1	11/02/2023 01:36	WG2161005	
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	11/02/2023 01:36	WG2161005	
Hexachlorocyclopentadiene	U		0.0598	5.00	1	11/02/2023 01:36	WG2161005	
Hexachloroethane	U		0.127	5.00	1	11/02/2023 01:36	WG2161005	
Isophorone	U		0.143	10.0	1	11/02/2023 01:36	WG2161005	
2-Nitroaniline	U	UJ	0.102	10.0	1	11/02/2023 01:36	WG2161005	
3-Nitroaniline	U		0.0869	5.00	1	11/02/2023 01:36	WG2161005	
4-Nitroaniline	U		0.0910	5.00	1	11/02/2023 01:36	WG2161005	
Nitrobenzene	U		0.297	10.0	1	11/02/2023 01:36	WG2161005	
n-Nitrosodiphenylamine	U		2.37	10.0	1	11/02/2023 01:36	WG2161005	
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	11/02/2023 01:36	WG2161005	

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 UJ		0.765	3.00	1	11/02/2023 01:36	WG2161005
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	11/02/2023 01:36	WG2161005
Di-n-butyl phthalate	U		0.453	3.00	1	11/02/2023 01:36	WG2161005
Diethyl phthalate	U		0.287	3.00	1	11/02/2023 01:36	WG2161005
Dimethyl phthalate	U		0.260	3.00	1	11/02/2023 01:36	WG2161005
Di-n-octyl phthalate	U		0.932	3.00	1	11/02/2023 01:36	WG2161005
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	11/02/2023 01:36	WG2161005
4-Chloro-3-methylphenol	U		0.131	1.00	1	11/02/2023 01:36	WG2161005
2-Chlorophenol	U		0.133	1.00	1	11/02/2023 01:36	WG2161005
2-Methylphenol	U		0.0929	1.00	1	11/02/2023 01:36	WG2161005
3&4-Methyl Phenol	U		0.168	1.00	1	11/02/2023 01:36	WG2161005
2,4-Dichlorophenol	U		0.102	5.00	1	11/02/2023 01:36	WG2161005
2,4-Dimethylphenol	U UJ		0.0636	10.0	1	11/02/2023 01:36	WG2161005
4,6-Dinitro-2-methylphenol	U UJ		1.12	10.0	1	11/02/2023 01:36	WG2161005
2,4-Dinitrophenol	U UJ		5.93	10.0	1	11/02/2023 01:36	WG2161005
2-Nitrophenol	U		0.117	10.0	1	11/02/2023 01:36	WG2161005
4-Nitrophenol	U UJ	~~J4~~	0.143	10.0	1	11/02/2023 01:36	WG2161005
Pentachlorophenol	U UJ		0.313	1.00	1	11/02/2023 01:36	WG2161005
Phenol	U UJ		4.33	10.0	1	11/02/2023 01:36	WG2161005
2,4,5-Trichlorophenol	U		0.109	1.00	1	11/02/2023 01:36	WG2161005
2,4,6-Trichlorophenol	U		0.100	1.00	1	11/02/2023 01:36	WG2161005
(S) 2-Fluorophenol	*29.7*			*10.0-120*		*11/08/2023 21:46*	WG2161005
(S) 2-Fluorophenol	*33.1*			*10.0-120*		*11/02/2023 01:36*	WG2161005
(S) Phenol-d5	*20.3*			*10.0-120*		*11/08/2023 21:46*	WG2161005
(S) Phenol-d5	*20.8*			*10.0-120*		*11/02/2023 01:36*	WG2161005
(S) Nitrobenzene-d5	*74.1*			*10.0-127*		*11/08/2023 21:46*	WG2161005
(S) Nitrobenzene-d5	*66.8*			*10.0-127*		*11/02/2023 01:36*	WG2161005
(S) 2-Fluorobiphenyl	*62.2*			*10.0-130*		*11/02/2023 01:36*	WG2161005
(S) 2-Fluorobiphenyl	*64.4*			*10.0-130*		*11/08/2023 21:46*	WG2161005
(S) 2,4,6-Tribromophenol	*62.1*			*10.0-155*		*11/02/2023 01:36*	WG2161005
(S) 2,4,6-Tribromophenol	*64.7*			*10.0-155*		*11/08/2023 21:46*	WG2161005
(S) p-Terphenyl-d14	*77.7*			*10.0-128*		*11/02/2023 01:36*	WG2161005
(S) p-Terphenyl-d14	*87.5*			*10.0-128*		*11/08/2023 21:46*	WG2161005

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

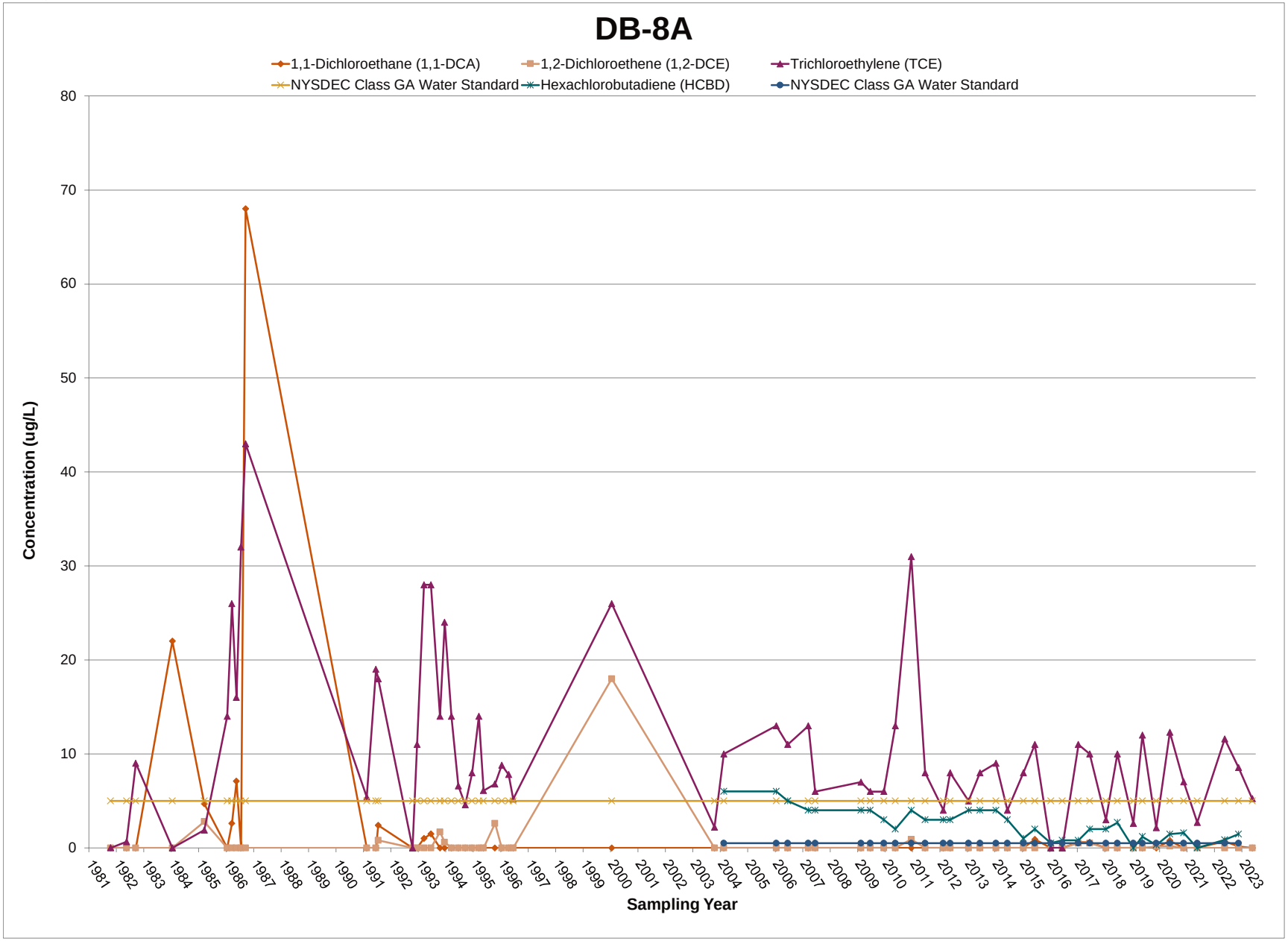
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	11/01/2023 03:32	WG2161001
Acenaphthene	U		0.0190	0.0500	1	11/01/2023 03:32	WG2161001
Acenaphthylene	U		0.0171	0.0500	1	11/01/2023 03:32	WG2161001
Benzo(a)anthracene	U		0.0203	0.0500	1	11/01/2023 03:32	WG2161001
Benzo(a)pyrene	U		0.0184	0.0500	1	11/01/2023 03:32	WG2161001
Benzo(b)fluoranthene	U		0.0168	0.0500	1	11/01/2023 03:32	WG2161001
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	11/01/2023 03:32	WG2161001
Benzo(k)fluoranthene	U		0.0202	0.0500	1	11/01/2023 03:32	WG2161001
Chrysene	U		0.0179	0.0500	1	11/01/2023 03:32	WG2161001
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	11/01/2023 03:32	WG2161001
Dibenzofuran	U		0.0191	0.0500	1	11/01/2023 03:32	WG2161001
Fluoranthene	U		0.0270	0.100	1	11/01/2023 03:32	WG2161001
Fluorene	U		0.0169	0.0500	1	11/01/2023 03:32	WG2161001
Hexachlorobenzene	U		0.00670	0.0500	1	11/01/2023 03:32	WG2161001
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	11/01/2023 03:32	WG2161001
Naphthalene	U		0.0917	0.250	1	11/01/2023 03:32	WG2161001
Phenanthrene	U		0.0180	0.0500	1	11/01/2023 03:32	WG2161001
Pyrene	U		0.0169	0.0500	1	11/01/2023 03:32	WG2161001
1-Methylnaphthalene	U		0.0687	0.250	1	11/01/2023 03:32	WG2161001

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

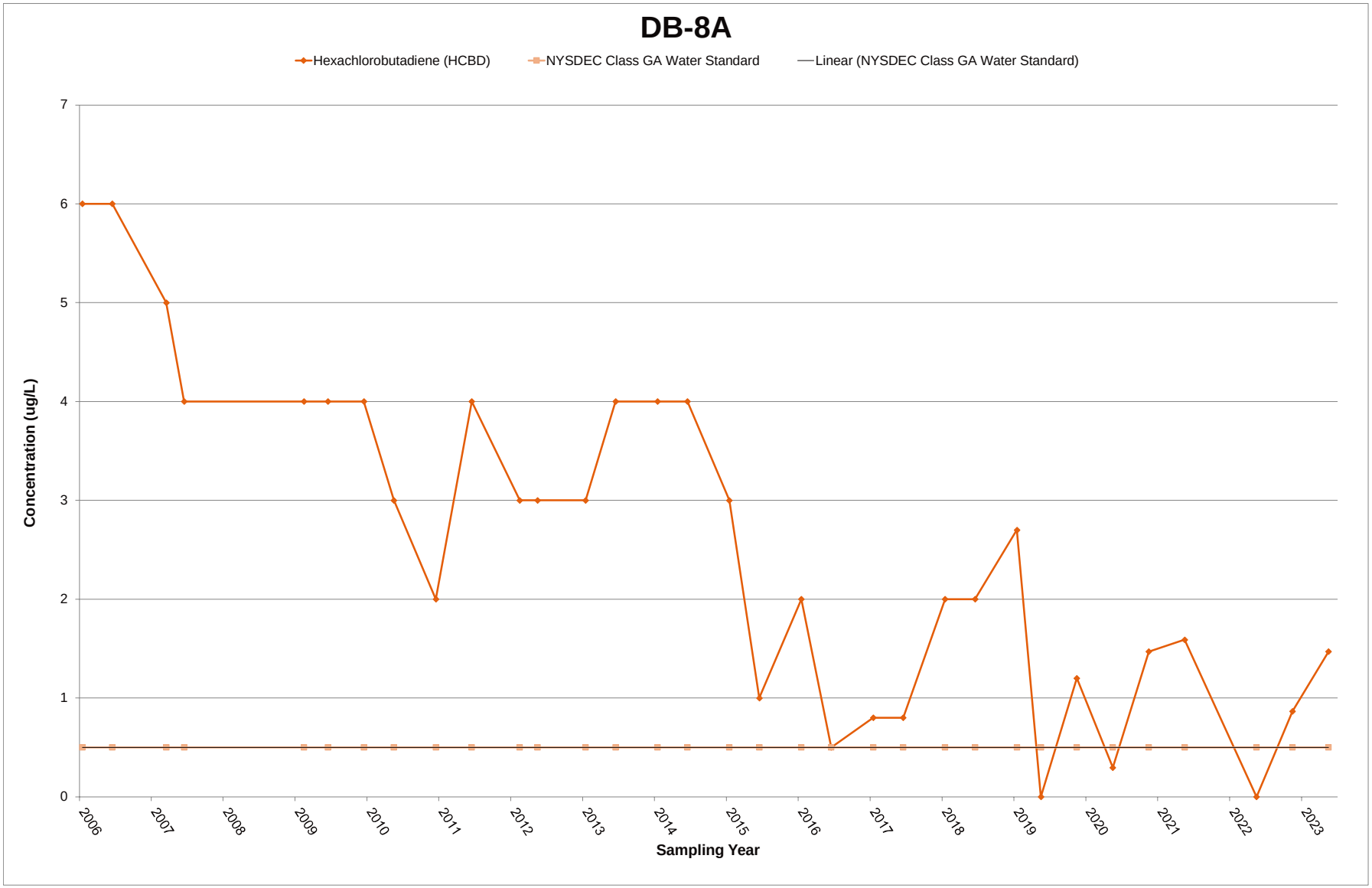
Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Methylnaphthalene	U		0.0674	0.250	1	11/01/2023 03:32	WG2161001
2-Chloronaphthalene	U		0.0682	0.250	1	11/01/2023 03:32	WG2161001
(S) Nitrobenzene-d5	*95.3*			*31.0-160*		*11/01/2023 03:32*	WG2161001
(S) 2-Fluorobiphenyl	*100*			*48.0-148*		*11/01/2023 03:32*	WG2161001
(S) p-Terphenyl-d14	*98.4*			*37.0-146*		*11/01/2023 03:32*	WG2161001

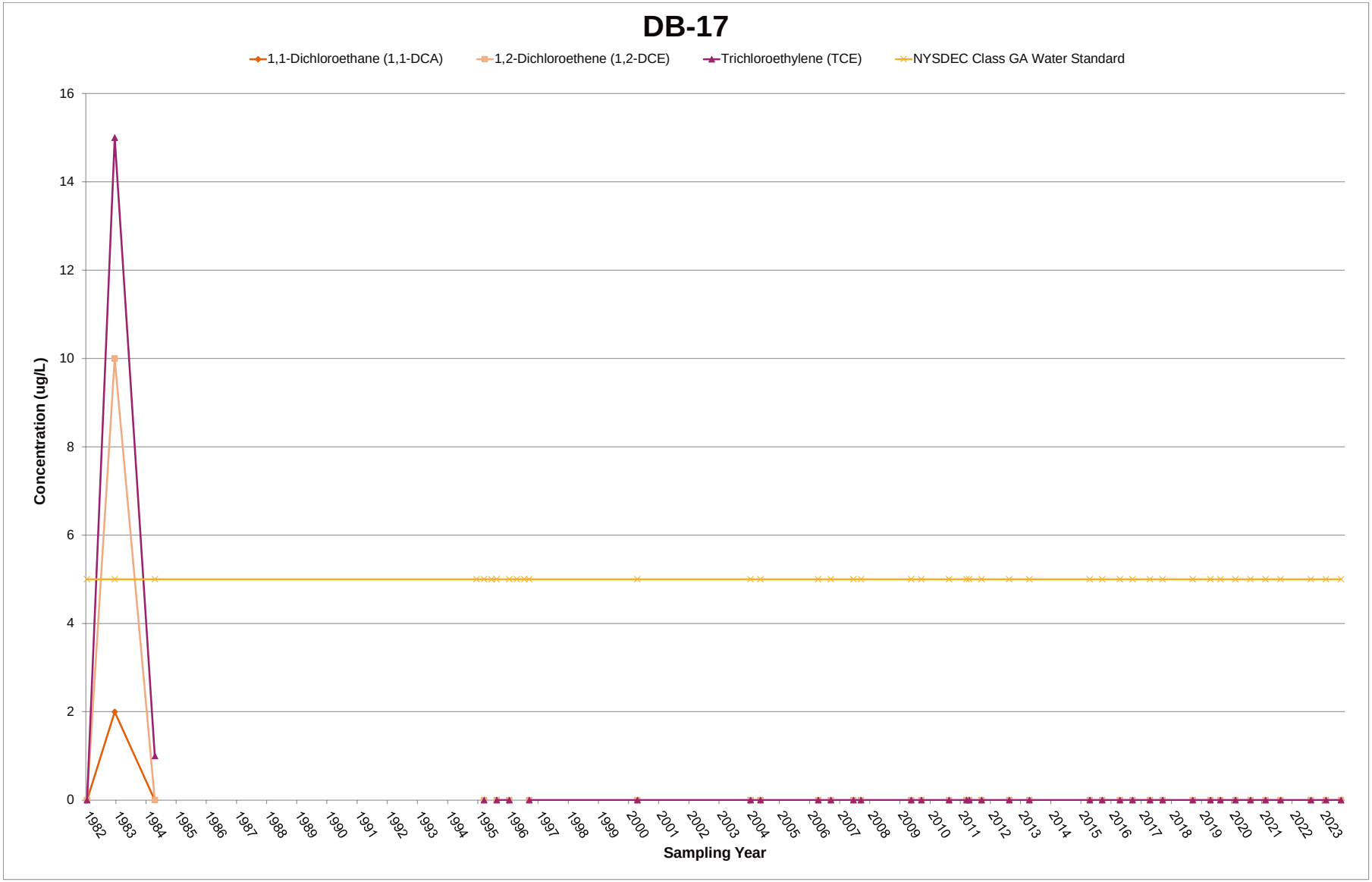
Appendix D

Analytical Charts

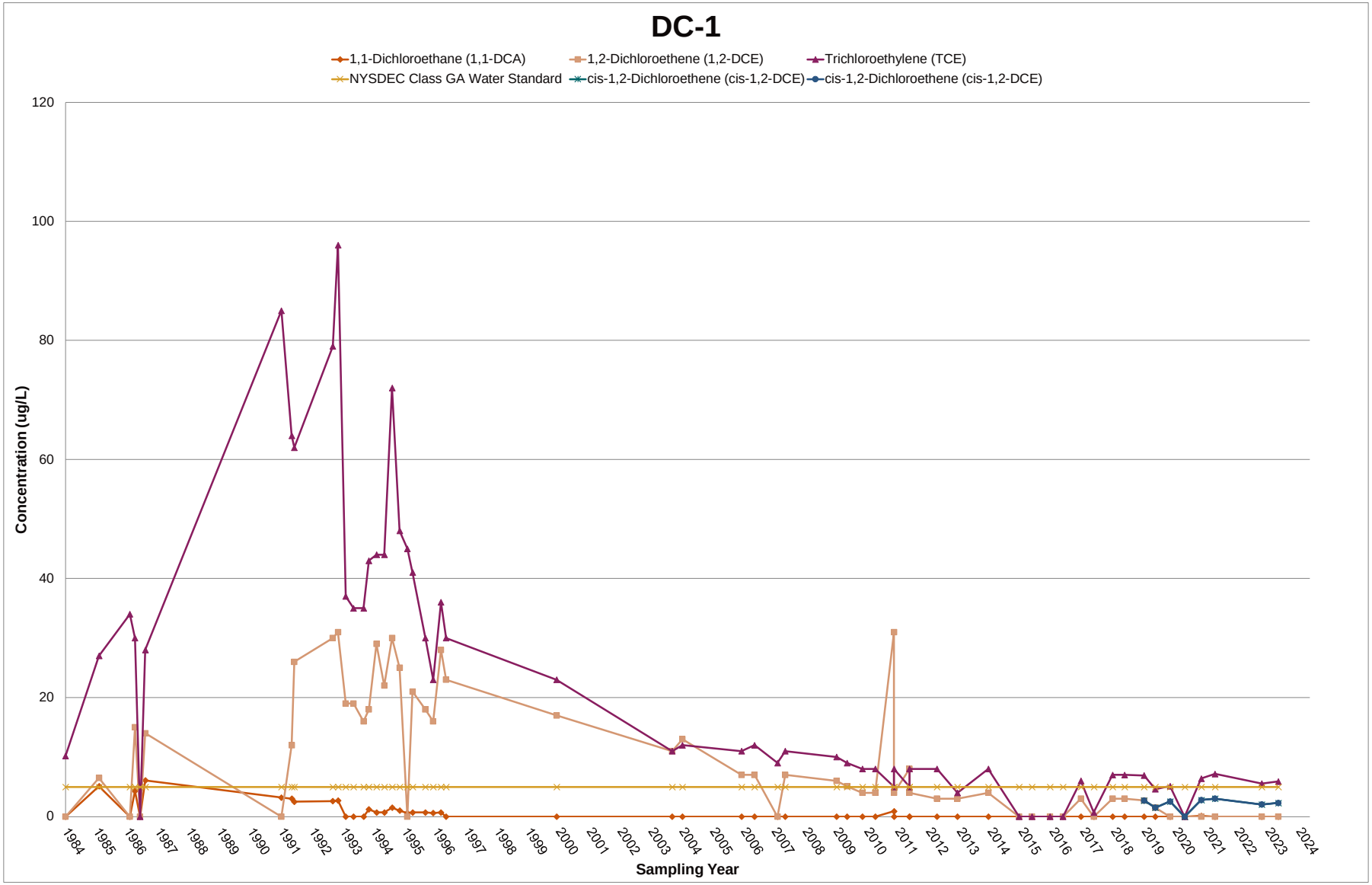

DB-8A
1,1-Dichloroethane (1,1-DCA)
1,2-Dichloroethene (1,2-DCE)
Trichloroethylene (TCE)
NYSDEC Class GA Water Standard
Hexachlorobutadiene (HCBD)
NYSDEC Class GA Water Standard
Concentration (ug/L)
0
10
20
30
40
50
60
70
80
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
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2005
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2017
2018
2019
2020
2021
2022
2023
Sampling Year

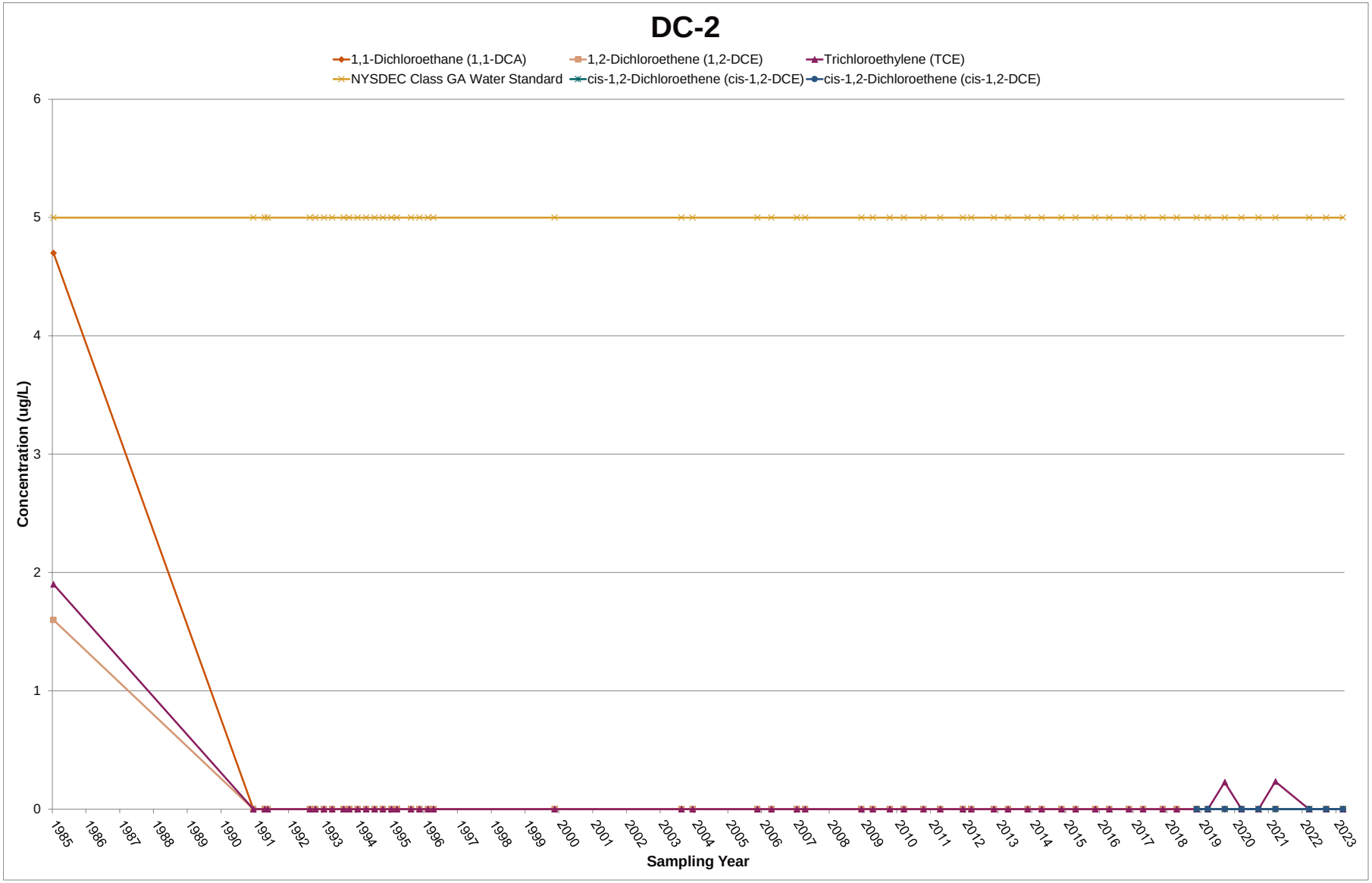
Appendix D - Analytical Charts
2023 Order on Consent Groundwater Monitoring Report
DB-8A Trend Analysis (Hexachlorobutadiene)
OU-1C and OU-1E Parcels
Former Texaco Research Center Beacon
Glenham, New York



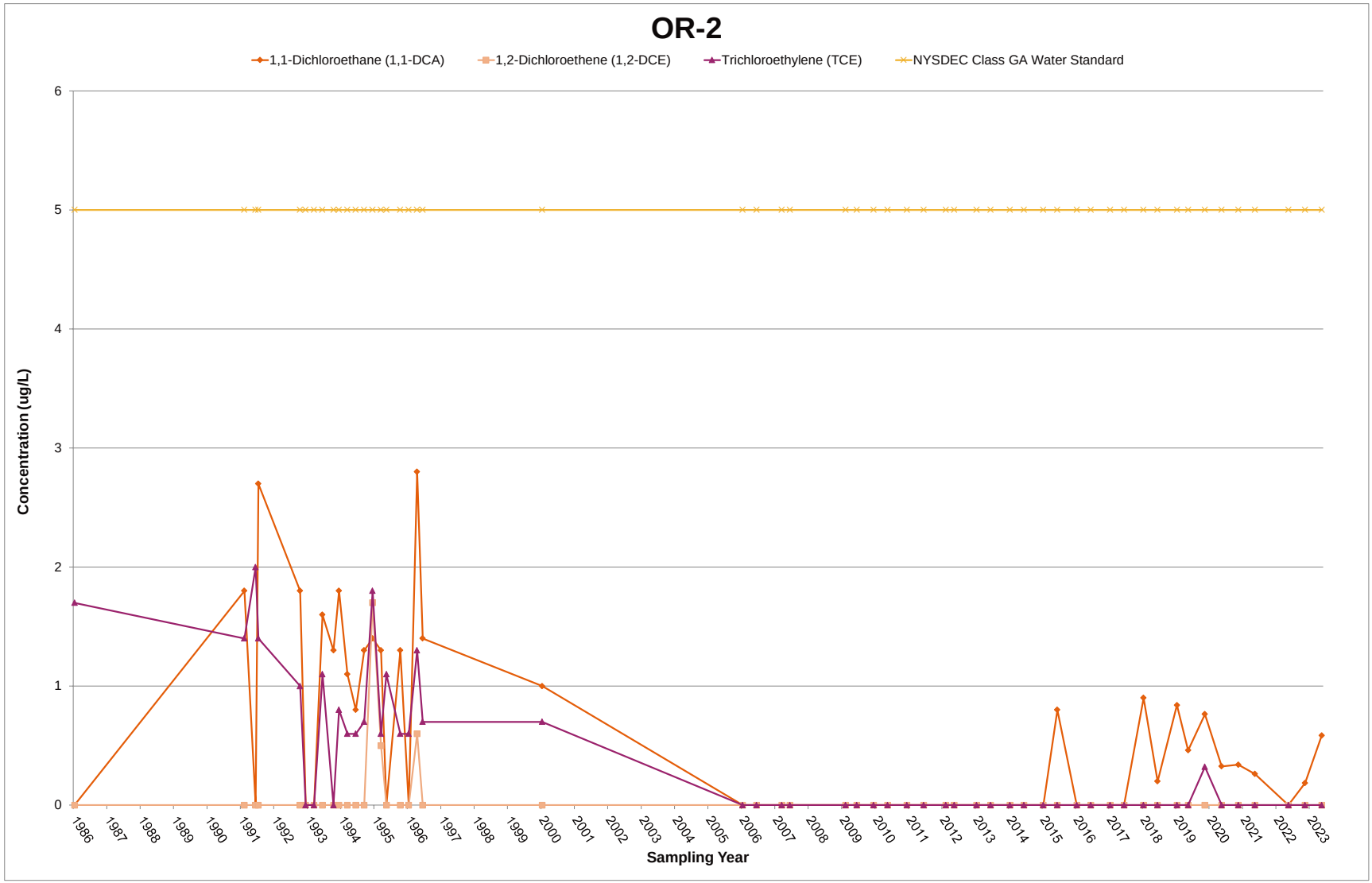

DB-17
1,1-Dichloroethane (1,1-DCA)
1,2-Dichloroethene (1,2-DCE)
Trichloroethylene (TCE)
NYSDEC Class GA Water Standard
Concentration (ug/L)
0
2
4
6
8
10
12
14
16
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
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2019
2020
2021
2022
2023
Sampling Year

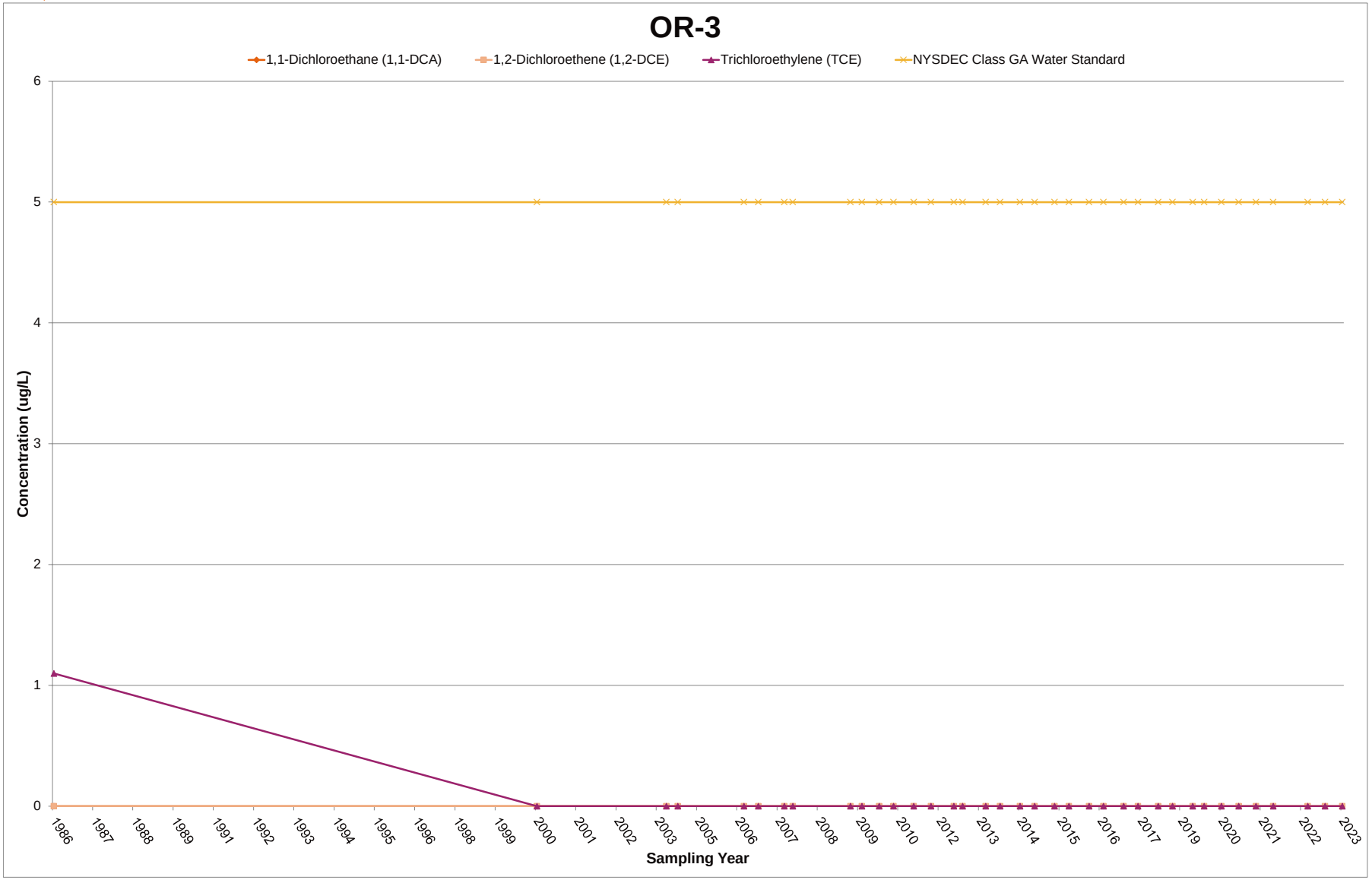
Appendix D - Analytical Charts
2023 Order on Consent Groundwater Monitoring Report
DC-1 Trend Analysis
OU-1C and OU-1E Parcels
Former Texaco Research Center Beacon
Glenham, New York

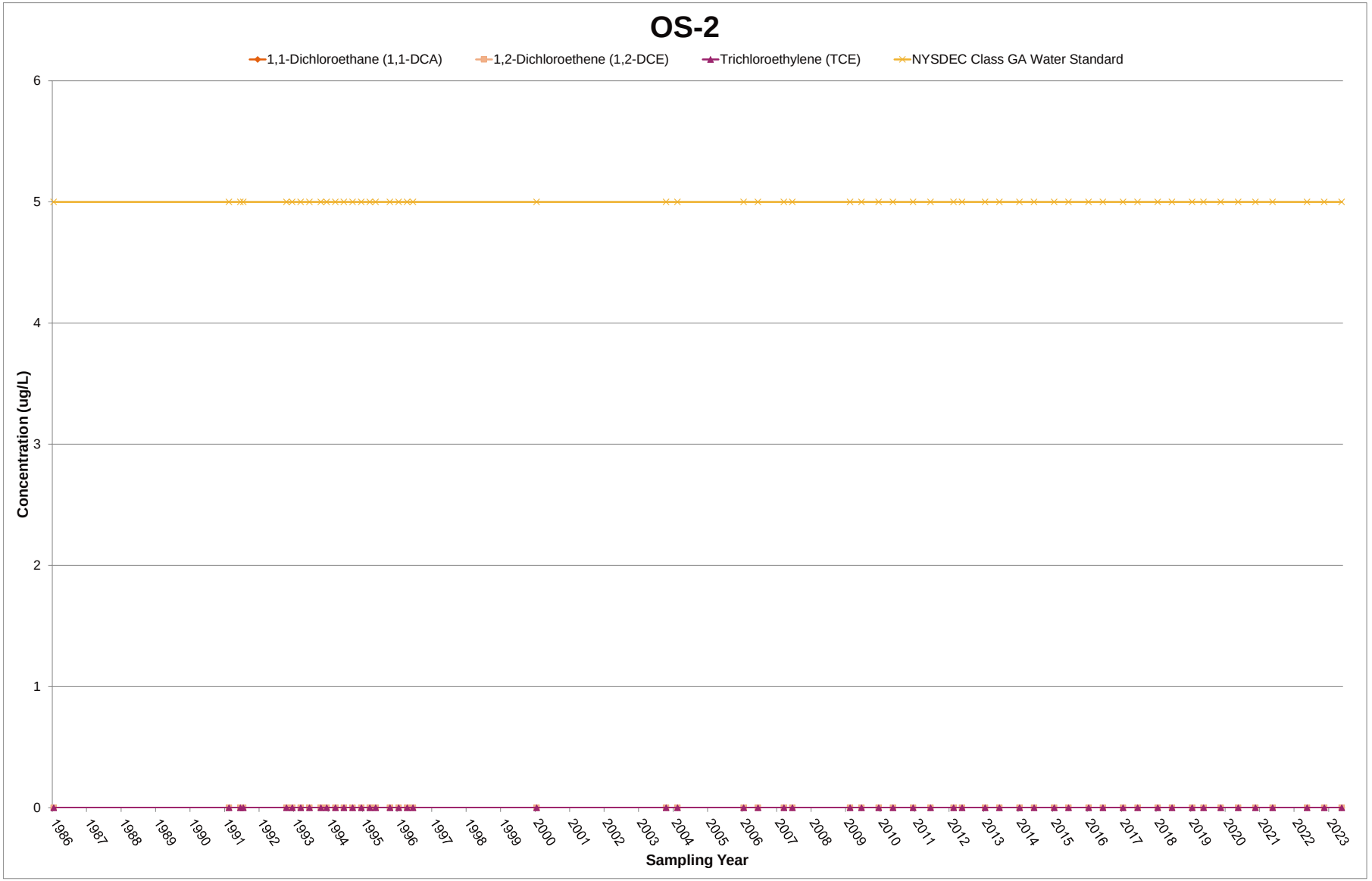


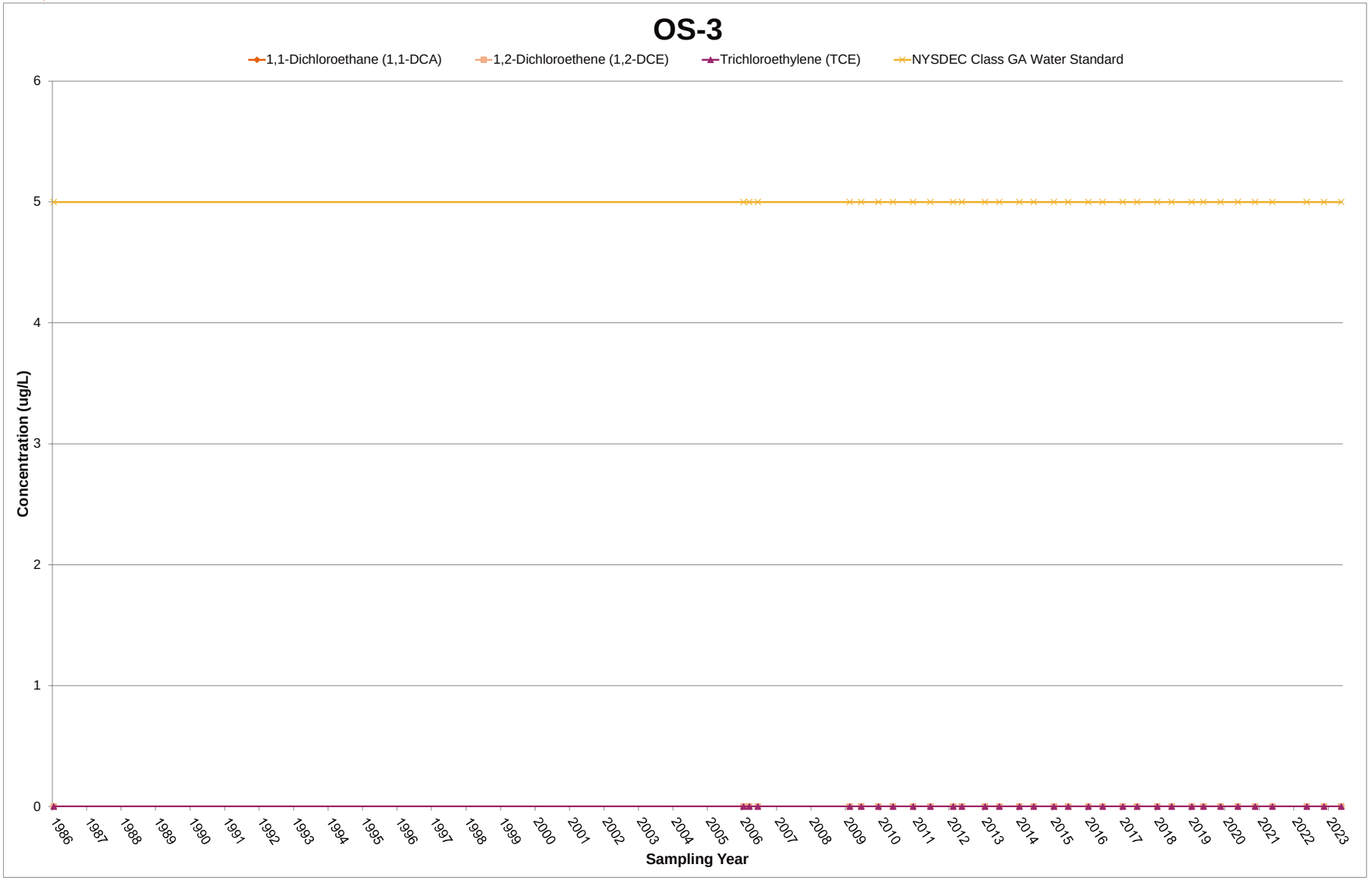

DC-2
1,1-Dichloroethane (1,1-DCA)
1,2-Dichloroethene (1,2-DCE)
Trichloroethylene (TCE)
NYSDEC Class GA Water Standard
cis-1,2-Dichloroethene (cis-1,2-DCE)
cis-1,2-Dichloroethene (cis-1,2-DCE)
Concentration (ug/L)
0
1
2
3
4
5
6
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
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2021
2022
2023
Sampling Year

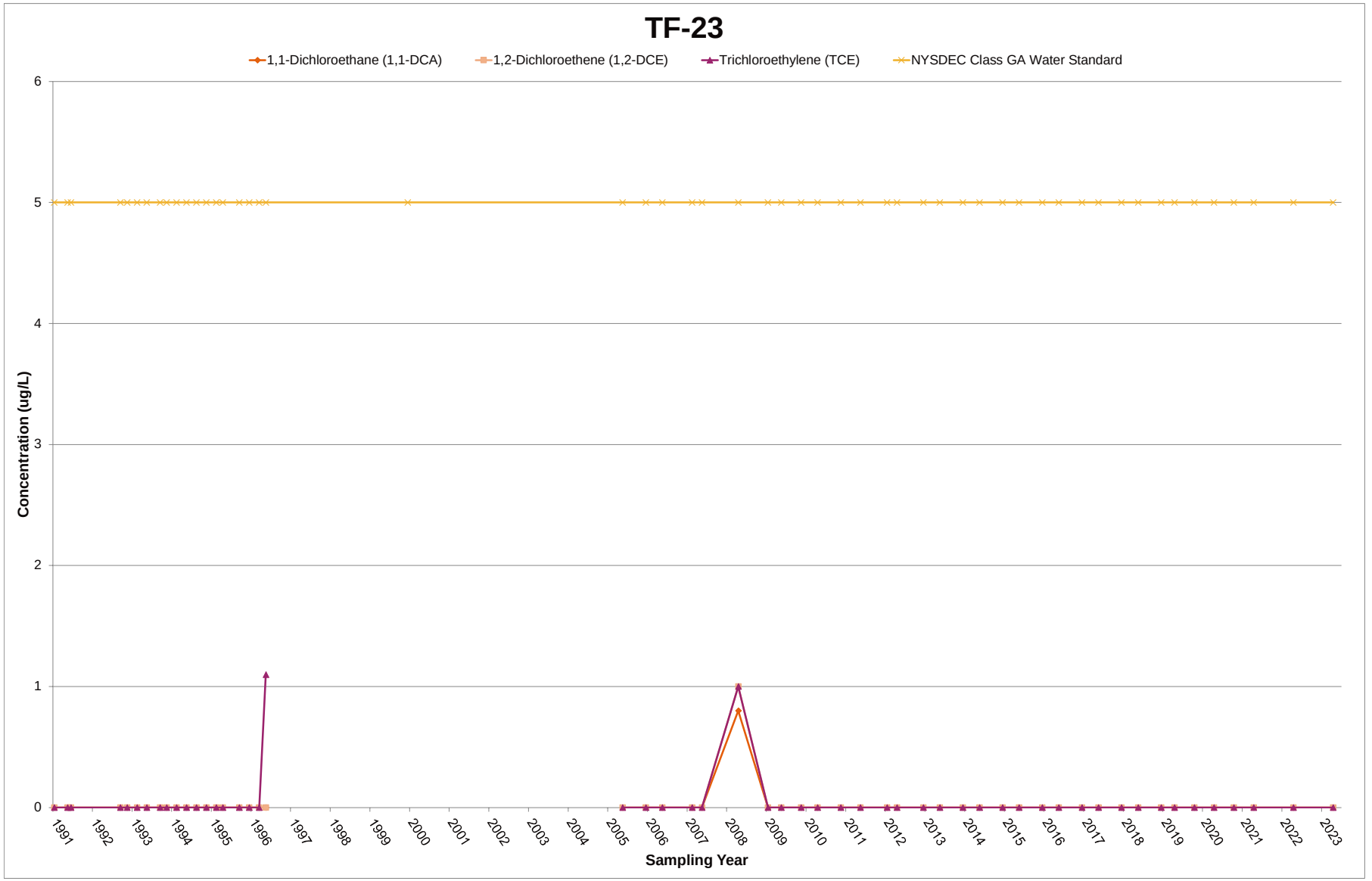
Appendix D - Analytical Charts
2023 Order on Consent Groundwater Monitoring Report
OR-2 Trend Analysis
OU-1C and OU-1E Parcels
Former Texaco Research Center Beacon
Glenham, New York

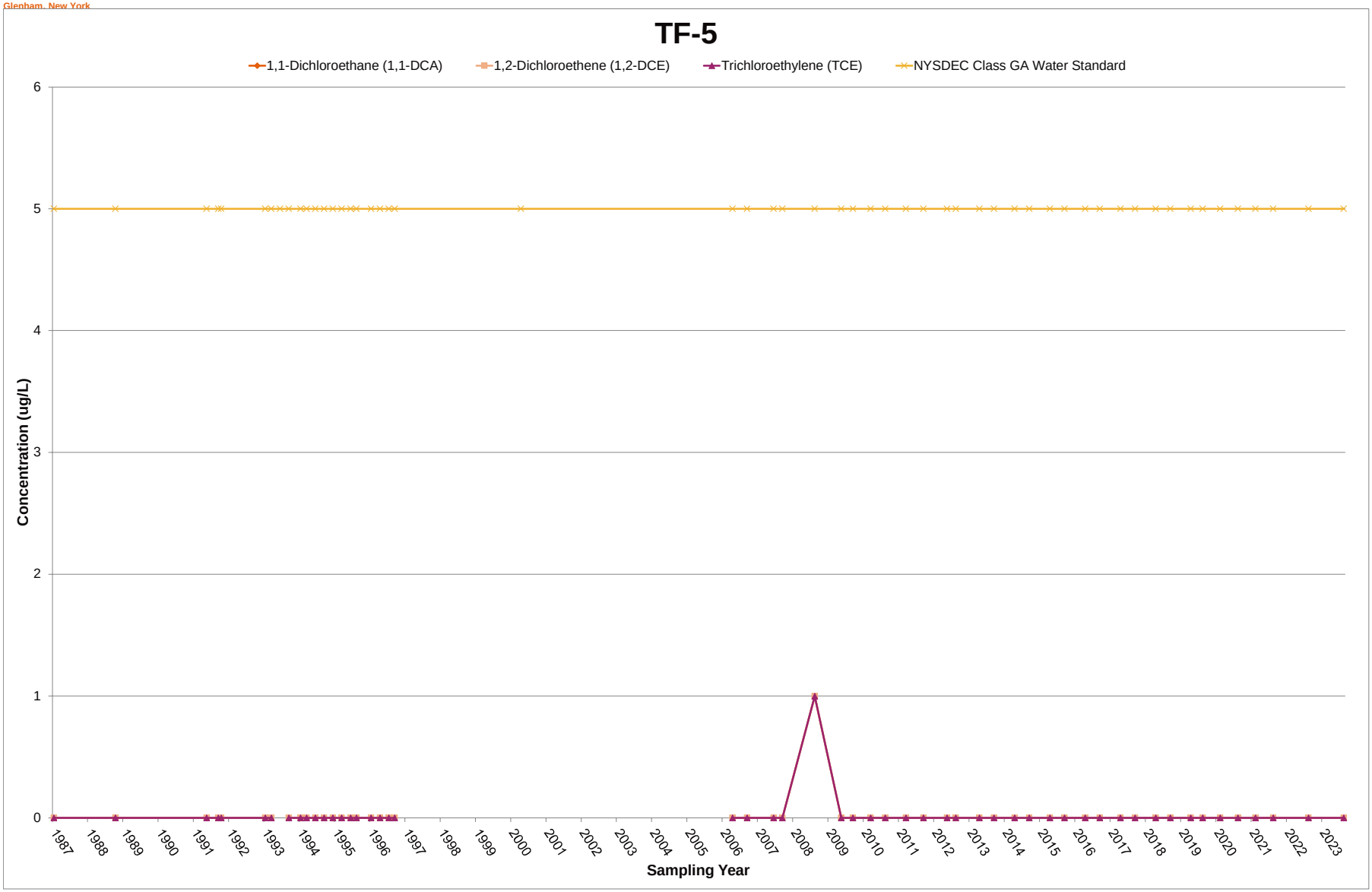



OR-3
1,1-Dichloroethane (1,1-DCA)
1,2-Dichloroethene (1,2-DCE)
Trichloroethylene (TCE)
NYSDEC Class GA Water Standard
Concentration (ug/L)
0
1
2
3
4
5
6
1986
1987
1988
1989
1991
1992
1993
1994
1995
1996
1998
1999
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2017
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2020
2021
2022
2023
Sampling Year


OS-2
1,1-Dichloroethane (1,1-DCA)
1,2-Dichloroethene (1,2-DCE)
Trichloroethylene (TCE)
NYSDEC Class GA Water Standard
Concentration (ug/L)
0
1
2
3
4
5
6
1986
1987
1988
1989
1990
1991
1992
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1994
1995
1996
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1998
1999
2000
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2019
2020
2021
2022
2023
Sampling Year


OS-3
1,1-Dichloroethane (1,1-DCA)
1,2-Dichloroethene (1,2-DCE)
Trichloroethylene (TCE)
NYSDEC Class GA Water Standard
Concentration (ug/L)
0
1
2
3
4
5
6
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
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1998
1999
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2020
2021
2022
2023
Sampling Year


TF-23
1,1-Dichloroethane (1,1-DCA)
1,2-Dichloroethene (1,2-DCE)
Trichloroethylene (TCE)
NYSDEC Class GA Water Standard
Concentration (ug/L)
0
1
2
3
4
5
6
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
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2003
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2016
2017
2018
2019
2020
2021
2022
2023
Sampling Year


TF-5
1,1-Dichloroethane (1,1-DCA)
1,2-Dichloroethene (1,2-DCE)
Trichloroethylene (TCE)
NYSDEC Class GA Water Standard
Concentration (ug/L)
0
1
2
3
4
5
6
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
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2006
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2008
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2017
2018
2019
2020
2021
2022
2023
Sampling Year

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