

Chevron Environmental Management Company

2020 ORDER ON CONSENT GROUNDWATER MONITORING REPORT

Former Texaco Research Center Beacon
Glenham, New York

July 2021

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Former Texaco Research Center Beacon
Glenham, New York

Prepared for:

Chevron Environmental Management Company

1500 Louisiana St

Houston, Texas, 77002

Prepared by:

Arcadis of New York, Inc.

50 Millstone Road

Building 200, Suite 220

East Windsor

New Jersey, 08520

Tel 609 860 0590

Fax 609 448 0890

Our Ref.:

30064362

Date:

July 13, 2021

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Edward Meyer
Project Manager

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ACRONYMS AND ABBREVIATIONS

ASP	Analytical Services Protocol
AST	Above ground storage tank
Arcadis	Arcadis of New York, Inc.
ASP	Analytical Services Protocol
btic	below top of inner casing
CEMC	Chevron Environmental Management Company
DER	Division of Environmental Remediation
DTW	depth to water
ELAP	Environmental Laboratory Approval Program
ICM	Interim Corrective Measure
IHWS	Inactive Hazardous Waste Site
LNAPL	light non-aqueous phase liquid
MS/MSD	matrix spike/matrix spike duplicate
NFA	No Further Action
NY	New York
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
No.	number
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
RSL	Regional Screening Levels
SCO	Soil cleanup objectives
SVOCs	Semi-Volatile Organic Compounds
TCE	Trichloroethene

2020 Order on Consent Groundwater Monitoring Report

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
1,1-DCA	1,1-dichloroethane
1,2-DCE	1,1-dichloroethene

QUALIFIED ENVIRONMENTAL PROFESSIONAL CERTIFICATION

I, Ellen Haggerty, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that the 2020 Order on Consent Groundwater Monitoring Report was prepared in accordance with all applicable statutes 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.

A handwritten signature in black ink, appearing to read "Ellen Haggerty", with a horizontal line drawn underneath it.

Ellen Haggerty, PE
NJ PE License No. 24GE04558400
Arcadis Principal Engineer

1 INTRODUCTION

On behalf of Chevron Environmental Management Company (CEMC), Arcadis of New York, Inc. (Arcadis) has prepared this 2020 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 Acre Area or Operable Unit [OU-1E]) and Tank Farm Area (also known as the Washington Avenue Tank Farm [WATF] or OU-1C) at the Former TRCB facility, as well as downgradient of the recreation area offsite, along Belvedere Rd.

This annual report contains a description of the groundwater monitoring activities conducted in April and October 2020. 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 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 a road parcel, located along Washington Avenue south of the Creek. Finally, the Back 93 Acre parcel (OU-1E) comprises the remaining site area south of the creek, tank farm and Washington Avenue. Operable units are displayed on **Figures 2** and **3**.

Further details regarding the parcels and associated groundwater monitoring 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 four 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 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 2020 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 2020.

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 2020. **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-4

2.2 Field Methods

2.2.1 Monitoring Well Condition Inspection

An inspection of each monitoring well was performed to identify 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.

2.2.2 Well Gauging

Prior to groundwater purging and sampling activities, synoptic groundwater elevations were measured across the site during 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 NYSDEC's 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

Two 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 and procedures as the parent samples. Field duplicates were collected at monitoring well OS-2 during April and October 2020 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 method for that specific sample. Once MS/MSD sample set was collected per event. These samples were collected at monitoring wells OS-3 and OR-3 during the April and October monitoring events, respectively. Extra sample volume (three times the required sample volume per analysis) was collected for each MS/MSD sample taken.

2.3.2 Laboratory Information

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

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. 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 included a review of the data package for completeness. All analytical data collected from the groundwater investigation programs were found to be acceptable in terms of deliverable completeness, accuracy, precision, representativeness, and comparability. 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 2020. Trend plots that detail the groundwater results from the 1980s through to 2020 are provided in **Appendix D**. These results indicate decreasing concentrations over the years approaching asymptotic levels at or below groundwater criteria.

3.1 Monitoring Well Inspection and Gauging

3.1.1 April 2020 Inspection and Gauging

On April 22, 2020, 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, Tank Farm and offsite areas were inspected and gauged for DTW and for the presence/absence of LNAPL using an oil/water interface probe. During this event, all monitoring wells were found to be in good condition except for monitoring well DB-17, which lacked enough water to fully purge. A groundwater sample from DB-17 was collected using the bailer as a grab sample given the conditions encountered. DTW ranged from 1.26 feet below the top of inner casing (btic) (OS-3) to 17.78 feet btic (OR-3). LNAPL was not detected in any of the ten monitoring wells gauged. Additional recorded gauging notes are provided on **Table 1**.

Based on the observations recorded, it is inferred that overburden groundwater in monitoring wells DC-1 and DC-2 is flowing to the north toward Fishkill Creek and groundwater in the area of overburden monitoring wells DB-8A, DC-17, OS-2, and OS-3 is flowing to the south toward the unnamed creek. This unnamed creek flows to the northeast, into Fishkill Creek. A groundwater potentiometric map depicting groundwater contours from the April 2020 event is included as **Figure 4**. Groundwater elevation maps with groundwater contours for the October gauging event are provided on **Figure 5**. 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 present a stronger confirmation. The April and October bedrock groundwater elevations are provided on **Figure 6**.

3.1.2 October 2020 Inspection and Gauging

On October 12, 2020, 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, Tank Farm and offsite areas 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. Groundwater conditions in monitoring wells TF-5, DB-8A and DB-17 presented challenges for collecting samples. Monitoring well TF-5 lacked enough water to collect a sample and monitoring well DB-8A went dry after pumping approximately 0.25 gallons. Monitoring well DB-17 was found to be dry at the time of the event and could not be sampled. DTW ranged from 6.60 feet btic (DC-2) to 24.39 feet btic (OR-3). LNAPL was not detected in any of the monitoring wells gauged. **Table 2** summarizes groundwater elevations for all wells gauged in this sampling event.

Groundwater contours were prepared for the October 2020 event based on gauging data collected at the site and are depicted in a potentiometric map included in this report as **Figure 5**. Groundwater flow

directions observed in the overburden monitoring wells during the October 2020 event were observed to follow a similar pattern to the April 2020 sampling event (described above). Groundwater within the bedrock formation monitoring wells, OR-2 and OR-3, indicated the same as the April event as well. Groundwater flow from these two points is indicative of flowing to the south, away from the unnamed creek, however additional data points would present a stronger confirmation.

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

3.2 Groundwater Monitoring Results

3.2.1 April 2020 Groundwater Monitoring

Between April 22 and 23, 2020, groundwater samples were collected from ten monitoring wells including DC-1, DC-2, TF-5, TF-23, DB-8A, DB-17, OS-2, OR-2, OS-3, and OR-3 located on the Recreation, Tank Farm and offsite areas and submitted to Pace Analytical for analysis. Groundwater samples were analysed for VOCs via United States Environmental Protection Agency (USEPA) Method 8260C, SVOCs via USEPA Method 8270D and dissolved lead via USEPA Method 6020. The following constituents were detected above the NY TOGS 1.1.1 Class GA Groundwater Standards as shown in **Table 3**:

- Hexachlorobutadiene was detected in monitoring well DB-8A (1.2 µg/L) above the NY TOGS Class GA Groundwater Standard of 0.5 µg/L.
- Trichloroethene (TCE) was detected in monitoring well DC-1 (5.11 µg/L) above the NY TOGS Class GA Groundwater Standard of 5 µg/L.

The analytical results for the April 2020 sampling event are summarized in **Table 3** and depicted in **Figures 7 and 8**.

Please note that the laboratory method of detection limits (reporting limit) for VOC and SVOC analytes were found to be higher than the NY TOGS and/or USEPA Tap water RSL 2019 standards. 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**. Of those analytes affected, only 10 of them have had detections historically; benzo(a)anthracene, benzo(a)pyrene, benzo(a)fluoranthene, chrysene, dibenzo(a,h)anthracene, hexachlorobutadiene, indeno(1,2,3-cd) pyrene, nitrobenzene, and phenol. 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 this 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 June 25, 2021, via email to NYENVDATA@dec.ny.gov. A copy of the EDD submittal is presented in **Appendix B**.

3.2.2 October 2020 Groundwater Monitoring

Between October 12 and 13, 2020, groundwater samples were collected from seven monitoring wells including DC-2, TF-23, DB-8A, DB-17, OS-2, OR-2, OS-3, and OR-3 located on the Recreation, Tank

Farm and offsite areas and submitted to Pace Analytical for analysis. Monitoring wells DC-1 and DB-17 were dry and could not be sampled during this event. Additionally, monitoring well TF-5 lacked enough water recovery to collect a sample. 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 analysed 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.

Five constituents were detected above the NY TOGS Class GA Groundwater Standard as shown in

Table 3:

- TCE was detected in monitoring well DB-8A (12.30 µg/L) above the NY TOGS Class GA Groundwater Standard of 5 µg/L.
- Benzo(b)fluoranthene was detected in monitoring well OR-3 (0.0354 µg/L) above the NY TOGS Class GA Groundwater Standard of 0.002 µg/L.
- Chrysene was detected in monitoring well OR-3 (0.0211 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 OR-3 (0.0301 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 (11.80 µg/L) above the USEPA Tapwater Regional Screening Levels (RSL) 2019 Standard of 0.46 µg/L.

The analytical results for the October 2020 sampling event are summarized in **Table 3** and depicted in **Figures 7** and **8**.

Please note, the laboratory method of detection limits (reporting limit) for VOC and SVOC analytes were found to be higher than the NY TOGS and/or USEPA Tap water RSL 2019 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 2020 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 June 25, 2021, via email to NYENVDATA@dec.ny.gov. A copy of the EDD submittal is presented in **Appendix B**.

3.2.3 Results Summary

As described in Section 3.2, groundwater samples were collected and analyzed for VOCs, SVOCs and dissolved lead. The results of the 2020 monitoring program indicated a total of six 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 only at three of the ten monitoring wells included in the monitoring program: DC-1, DB-8A (OU-1E), and OR-3 (offsite).

Appendix D includes charts presenting data trends and historical data for select analytes.

Hexachlorobutadiene was detected above groundwater standards in monitoring well DB-8A during the April 2020 monitoring event. However, historical groundwater analytical data indicates concentrations of hexachlorobutadiene have decreased in the area substantially and impacts only remain in monitoring well DB-8A (**Appendix D**).

Monitoring wells DC-1, and 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 (**Appendix D**). 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, OR-2, and OS-3, located along Belvedere Road (off-site), have not exhibited any exceedances based on analytical data from the past four years (**Appendix D**). TCE and 1,1-DCA have been detected in recent events (2017-2020) at monitoring well OR-2, but concentrations have been detected below NYSDEC Class GA Groundwater Standards.

Three SVOCs were detected above groundwater standards in offsite well OR-3 in October 2020; however, this was expected due to the switch in the analytical methods (low-level and SIM analysis) used for the October 2020 event to reach lower reporting limits. A review of historical data indicated that benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene have been previously detected at that location at concentrations higher than groundwater standards.

Concentrations in monitoring wells located at the OU-1C Washington Avenue Tank Farm were below NYSDEC Class GA Groundwater Standards. These monitoring wells have not exhibited concentrations above NYSDEC Class GA Groundwater Standards during the past four years (**Appendix D**).

Monitoring well DB-8A exhibited 1,4-dioxane concentrations above groundwater standards in October 2020. The sampling plan included 1,4-dioxane analysis in monitoring well DB-17, but it was dry and could not be sampled in October 2020.

In summary, analytical data collected during the 2020 monitoring events indicated monitoring wells located on the former WATF (OU-1C) and along the Belvedere Road (OS-2, OR-2, and OS-3) did not exhibit exceedances and as a result constituents of concern continue to degrade.

4 MONITORING WELL MAINTENANCE ACTIVITIES

As indicated in the 2019 Order on Consent Groundwater Monitoring Report, differences between the gauged depth to bottom and total well depth recorded in construction logs were identified in three monitoring wells (DC-1, DC-2, and OR-2). To address these discrepancies, Arcadis conducted well redevelopment for the RCRA Order on Consent Monitoring Program wells in December 2020.

A New York licensed drilling subcontractor was mobilized in December 2020 to develop and remove sediment from the bottoms of the OU-1E (DC-1, DC-2, DB-8A, DB-17) and off-site monitoring wells (OR-2, OR-3, and OS-3) for a total of seven monitoring wells. Surging and pumping was performed at the

overburden monitoring wells while air lifting, surging, and purging was conducted at the bedrock monitoring well OR-3 to remove accumulated sediment. Hard bottoms were reached in all but one monitoring well, DC-1. When redevelopment was performed at DC-1, approximately one bag of well pack sand was pulled from the well, indicating a potential construction issue. To maintain the integrity of the well casing and screen, redevelopment of this well was halted prior to reaching the recorded installation depth. Following well redevelopment efforts in all seven wells, bottom depths were gauged and compared to installation records. Additional maintenance performed at DC-2 included the replacement of the steel cap and damaged latching mechanism.

All monitoring wells are in good condition after completing redevelopment activities and the accumulated sediment was successfully removed from all seven monitoring wells except DC-1, as mentioned above. Further evaluation and/or potential replacement of DC-1 is required.

5 CONCLUSION

Sampling results from the ten monitoring wells requiring monitoring as part of the RCRA Permit post closure requirements sampling program have remained consistent with past analyses. Seven of the ten wells sampled in 2020 continue to indicate no exceedances. The observable impacts from TCE at the remaining two wells (DC-1 and DB-8A) have stabilized near the New York State Class GA Groundwater Standard threshold. The exceedance of hexachlorobutadiene and 1,4-dioxane remains localized in well DB-8A. Although three analytes were detected above groundwater standards in one offsite monitoring well, impacts appear to be confined in bedrock as the neighboring overburden well does not exhibit impacts associated with these constituents.

6 REFERENCES

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- Texaco. 1986. Report for Certification of the Closure of the Hazardous Waste Sludge Lagoon at the Texaco Research Center Beacon, New York (EPA ID No. NYD091894899). July.
- Texaco. 1987. After-Closure Groundwater Monitoring Report for Hazardous Waste Sludge Lagoon. Texaco Research Center. Beacon, New York.

TABLES



Table 1
2020 Order on Consent Groundwater Monitoring Report
Groundwater Elevations - April 2020
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	04/22/2020	207.58	ND	6.20	0.00	201.38	201.38	Well in good condition
TF-23	04/22/2020	207.20	ND	6.78	0.00	200.42	200.42	--
Back 93 Wells								
DC-1	04/22/2020	229.30	ND	3.39	0.00	225.91	225.91	--
DC-2	04/22/2020	229.10	ND	2.94	0.00	226.16	226.16	Well in good condition
DB-8A	04/22/2020	232.60	ND	6.43	0.00	226.17	226.17	--
DB-17	04/22/2020	222.87	ND	7.84	0.00	215.03	215.03	Insufficient water to Purge
OR-2	04/22/2020	214.12	ND	6.00	0.00	208.12	208.12	--
OR-3	04/22/2020	208.88	ND	17.78	0.00	191.10	191.10	--
OS-2	04/22/2020	215.56	ND	5.70	0.00	209.86	209.86	--
OS-3	04/22/2020	228.12	ND	1.26	0.00	226.86	226.86	--

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

Table 2
2020 Order on Consent Groundwater Monitoring Report
Groundwater Elevations - October 2020
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	10/12/2020	207.58	ND	9.48	0.00	198.10	198.10	Insufficient water to sample
TF-23	10/12/2020	207.20	ND	9.88	0.00	197.32	197.32	--
Back 93 Wells								
DC-1	10/12/2020	229.30	ND	NA ¹	0.00	NA	NA	--
DC-2	10/12/2020	229.10	ND	6.60	0.00	222.50	222.50	--
DB-8A	10/12/2020	232.60	ND	13.16	0.00	219.44	219.44	Monitoring well went dry after pumping
DB-17	10/12/2020	222.87	ND	NA ¹	0.00	NA	NA	--
OR-2	10/12/2020	214.12	ND	9.51	0.00	204.61	204.61	--
OR-3	10/12/2020	208.88	ND	24.39	0.00	184.49	184.49	--
OS-2	10/12/2020	215.56	ND	7.97	0.00	207.59	207.59	--
OS-3	10/12/2020	228.12	ND	7.98	0.00	220.14	220.14	--

Notes:

ND: LNAPL Not detected

NA: Not available

TOC: Top of Casing

ft: feet

btc: Below top of casing

amsl: above mean sea level

¹ = Monitoring wells DB-17 and DC-1 were dry and could not be gauged in October 2020

-- = No observations

Table 3
Groundwater Analytical Results - 2020
2020 Order on Consent Groundwater Monitoring Report
OU-1C and OU-1E Parcels
Former Texaco Research Center Beacon
Glenham, New York



Location ID: Field Sample ID: Lab Sample ID: Date Sampled: Sample Matrix:			USEPA Tapwater RSL 2019 Standard	DC-1 DC-1-W-200423 L1212188-08 04/23/2020 WATER	DC-2 DC-2-W-200423 L1212188-09 04/23/2020 WATER	DC-2 DC-2-W-201012 L1273359-01 10/12/2020 WATER	DB-8A DB-8A-W-200423 L1212188-05 04/23/2020 WATER	DB-8A DB-8A-W-201012 L1273359-02 10/12/2020 WATER	DB-17 DB-17-W-200423 L1212188-03 04/23/2020 WATER	OR-2 OR-2-W-200423 L1212188-06 04/23/2020 WATER	OR-2 OR-2-W-201012 L1273359-03 10/12/2020 WATER	OR-3 OR-3-W-200423 L1212188-01 04/23/2020 WATER	OR-3 OR-3-W-201013 L1273359-05 10/13/2020 WATER	OS-2 OS-2-W-200423 L1212188-07 04/23/2020 WATER	OS-2 BD-1-W-200423 L1212188-13 04/23/2020 WATER	OS-2 OS-2-W-201012 L1273359-04 10/12/2020 WATER
Volatile Organic Compounds																
1,1,1-Trichloroethane	µg/L	5	--	1.0 U	1.0 U	0.500 U	1.0 U	0.53	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
1,1,2,2-Tetrachloroethane	µg/L	5	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	5	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
1,1,2-Trichloroethane	µg/L	1	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
1,1-Dichloroethane	µg/L	5	--	1.0 U	1.0 U	0.500 U	1.0 U	0.77	1.0 U	0.764 J	0.326 J	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
1,1-Dichloroethene	µg/L	5	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
1,2,3-Trichlorobenzene	µg/L	--	7	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
1,2,4-Trichlorobenzene	µg/L	5	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	µg/L	--	0.0003	5.0 U	5.0 U	0.00500 U	5.0 U	0.00500 U	5.0 U	5.0 U	0.00500 U	5.0 U	0.00500 U	5.0 U	5.0 U	0.00500 U
1,2-Dichlorobenzene	µg/L	3	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
1,2-Dichloroethane	µg/L	0.6	--	1.0 U	1.0 U	0.500 U	1.0 U	0.106 J	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
1,2-Dichloropropane	µg/L	1	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	0.847 J	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
1,3-Dichlorobenzene	µg/L	3	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
1,4-Dichlorobenzene	µg/L	3	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
1,4-Dioxane	µg/L	--	0.46	--	--	--	--	11.8	--	--	--	--	--	--	--	--
2-Butanone (MEK)	µg/L	50	--	10 U	10 U	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U
2-Hexanone	µg/L	50	--	--	--	5.0 U	--	5.0 U	--	--	5.0 U	--	5.0 U	--	--	5.0 U
4-Methyl-2-pentanone (MIBK)	µg/L	--	6,300	10 U	10 U	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U
Acetone	µg/L	50	--	50 U	50 U	25 U	50 U	25 U	50 U	50 U	25 U	50 U	25 U	50 U	50 U	25 U
Benzene	µg/L	1	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
Bromoform	µg/L	50	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
Bromomethane	µg/L	5	--	5.0 U	5.0 U	2.50 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U
Carbon disulfide	µg/L	60	--	--	--	0.500 U	--	0.500 U	--	--	0.500 U	--	0.500 U	--	--	0.500 U
Carbon tetrachloride	µg/L	5	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
Chlorobenzene	µg/L	5	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
Chlorobromomethane	µg/L	--	83	--	--	0.500 U	--	0.500 U	--	--	0.500 U	--	0.500 U	--	--	0.500 U
Chlorodibromomethane	µg/L	50	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
Chloroethane	µg/L	5	--	5.0 U	5.0 U	2.50 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U
Chloroform	µg/L	7	--	5.0 UB	5.0 U	0.500 U	5.0 UB	0.78	5.0 U	5.0 U	0.500 U	5.0 U	0.500 U	5.0 U	5.0 U	0.153 J
Chloromethane	µg/L	5	--	2.5 U	2.5 U	1.25 U	2.5 U	1.25 U	2.5 U	2.5 U	1.25 U	2.5 U	1.25 U	2.5 U	2.5 U	1.25 U
cis-1,2-Dichloroethene	µg/L	5	--	2.53	1.0 U	0.500 U	0.153 J	0.206 J	1.0 U	0.217 J	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
cis-1,3-Dichloropropene	µg/L	0.4	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
Cyclohexane	µg/L	--	13,000	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorobromomethane	µg/L	50	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
Dichlorodifluoromethane	µg/L	--	200	5.0 U	5.0 U	2.50 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U
Ethylbenzene	µg/L	5	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
Ethylene Dibromide	µg/L	--	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
Isopropylbenzene	µg/L	--	450	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
Methyl acetate	µg/L	--	20,000	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	µg/L	10	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
Methylcyclohexane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	µg/L	5	--	5.0 U	5.0 U	2.50 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U
m-Xylene & p-Xylene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	µg/L	--	190	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	µg/L	5	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U

See Notes on Page 7.

Table 3
Groundwater Analytical Results - 2020
2020 Order on Consent Groundwater Monitoring Report
OU-1C and OU-1E Parcels
Former Texaco Research Center Beacon
Glenham, New York



Location ID: Field Sample ID: Lab Sample ID: Date Sampled: Sample Matrix:			USEPA Tapwater RSL 2019 Standard	DC-1 DC-1-W-200423 L1212188-08 04/23/2020 WATER	DC-2 DC-2-W-200423 L1212188-09 04/23/2020 WATER	DC-2 DC-2-W-201012 L1273359-01 10/12/2020 WATER	DB-8A DB-8A-W-200423 L1212188-05 04/23/2020 WATER	DB-8A DB-8A-W-201012 L1273359-02 10/12/2020 WATER	DB-17 DB-17-W-200423 L1212188-03 04/23/2020 WATER	OR-2 OR-2-W-200423 L1212188-06 04/23/2020 WATER	OR-2 OR-2-W-201012 L1273359-03 10/12/2020 WATER	OR-3 OR-3-W-200423 L1212188-01 04/23/2020 WATER	OR-3 OR-3-W-201013 L1273359-05 10/13/2020 WATER	OS-2 OS-2-W-200423 L1212188-07 04/23/2020 WATER	OS-2 BD-1-W-200423 L1212188-13 04/23/2020 WATER	OS-2 OS-2-W-201012 L1273359-04 10/12/2020 WATER
Volatile Organic Compounds (cont.)																
Tetrachloroethene	µg/L	5	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	0.349 J	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
Toluene	µg/L	5	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
trans-1,2-Dichloroethene	µg/L	5	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
trans-1,3-Dichloropropene	µg/L	0.4	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
Trichloroethene	µg/L	5	--	5.11	0.227 J	0.500 U	2.15	12.30	1.0 U	0.321 J	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
Trichlorofluoromethane	µg/L	5	--	5.0 U	5.0 U	2.50 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U
Vinyl chloride	µg/L	2	--	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U
Total Conc	µg/L	--	--	7.64	0.227	0.00	2.303	26.492	0.349	2.149	0.326	0.00	0.00	0.00	0.00	0.153
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	0.00	0.00	0.00
Semivolatile Organic Compounds																
1,1'-Biphenyl	µg/L	--	0.83	--	--	10 U	--	10.5 U	--	--	10 U	--	10 U	--	--	10 U
1,2,4,5-Tetrachlorobenzene	µg/L	--	1.7	--	--	10 U	--	10.5 U	--	--	10 U	--	10 U	--	--	10 U
2,2'-oxybis[1-chloropropane]	µg/L	5	--	--	--	5.00 U	--	5.25 U	--	--	5.00 U	--	5.00 U	--	--	5.00 U
2,3,4,6-Tetrachlorophenol	µg/L	--	240	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	µg/L	1	--	--	--	1.0 U	--	1.05 U	--	--	1.0 U	--	1.0 UJ	--	--	1.0 U
2,4,6-Trichlorophenol	µg/L	1	--	10 U	10 U	1.0 U	10 U	1.05 U	10 U	10 U	1.0 U	10 U	1.0 U	10 U	10 U	1.0 U
2,4-Dichlorophenol	µg/L	5	--	10 U	10 U	5.0 U	10 U	5.25 U	10 U	10 U	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U
2,4-Dimethylphenol	µg/L	50	--	10 U	10 U	10 U	10 U	10.5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	µg/L	10	--	10 U	10 U	10 U	10 U	10.5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	µg/L	5	--	10 U	10 U	5.0 U	10 U	5.25 U	10 U	10 U	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U
2,6-Dinitrotoluene	µg/L	5	--	10 U	10 U	5.0 U	10 U	5.25 U	10 U	10 U	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U
2-Chloronaphthalene	µg/L	10	--	1.0 U	1.0 U	0.250 U	1.0 U	0.250 U	1.0 U	1.0 U	0.250 U	1.0 U	0.250 U	1.0 U	1.0 U	0.250 U
2-Chlorophenol	µg/L	1	--	10 U	10 U	1.0 U	10 U	1.05 U	10 U	10 U	1.0 U	10 U	1.0 U	10 U	10 U	1.0 U
2-Methylnaphthalene	µg/L	--	36	--	--	0.250 U	--	0.250 U	--	--	0.250 U	--	0.250 UJ	--	--	0.250 U
2-Methylphenol	µg/L	1	--	--	--	1.0 U	--	1.05 U	--	--	1.0 U	--	1.0 U	--	--	1.0 U
2-Nitroaniline	µg/L	5	--	--	--	5.0 U	--	5.25 U	--	--	5.0 U	--	5.0 U	--	--	5.0 U
2-Nitrophenol	µg/L	1	--	10 U	10 U	1.0 U	10 U	1.05 U	10 U	10 U	1.0 U	10 U	1.0 U	10 U	10 U	1.0 U
3,3'-Dichlorobenzidine	µg/L	5	--	10 U	10 U	10 U	10 U	10.5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	µg/L	5	--	--	--	5.0 U	--	5.25 U	--	--	5.0 U	--	5.0 U	--	--	5.0 U
4,6-Dinitro-2-methylphenol	µg/L	1	--	10 U	10 U	10 U	10 U	10.5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	µg/L	--	--	10 U	10 U	10 U	10 U	10.5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	µg/L	1	--	10 U	10 U	1.0 U	10 U	1.05 U	10 U	10 U	1.0 U	10 U	1.0 UJ	10 U	10 U	1.0 U
4-Chloroaniline	µg/L	5	--	--	--	5.0 U	--	5.25 U	--	--	5.0 U	--	5.0 U	--	--	5.0 U
4-Chlorophenyl phenyl ether	µg/L	--	--	10 U	10 U	10 U	10 U	10.5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	µg/L	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	µg/L	5	--	--	--	5.0 U	--	5.25 U	--	--	5.0 U	--	5.0 U	--	--	5.0 U
4-Nitrophenol	µg/L	1	--	10 U	10 U	10 U	10 U	10.5 U	10 U	10 U	10.0 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	µg/L	20	--	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U
Acenaphthylene	µg/L	--	--	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U
Acetophenone	µg/L	--	1,900	--	--	10 U	--	10.5 U	--	--	10 U	--	10 U	--	--	10 U
Anthracene	µg/L	50	--	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U
Atrazine	µg/L	--	0.30	--	--	10 U	--	10.5 U	--	--	10 U	--	10 U	--	--	10 U
Benzaldehyde	µg/L	--	19	--	--	10 U	--	10.5 U	--	--	10 U	--	10 U	--	--	10 U
Benzo[a]anthracene	µg/L	0.002	--	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 UJ	1.0 U	1.0 U	0.0500 U
Benzo[a]pyrene	µg/L	--	0.03	0.2 U	0.2 U	0.0500 U	0.2 U	0.0500 U	0.2 U	0.2 U	0.0500 U	0.2 U	0.0188 J	0.2 U	0.2 U	0.0500 U

Table 3
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Location ID: Field Sample ID: Lab Sample ID: Date Sampled: Sample Matrix:			USEPA Tapwater RSL 2019 Standard	DC-1 DC-1-W-200423 L1212188-08 04/23/2020 WATER	DC-2 DC-2-W-200423 L1212188-09 04/23/2020 WATER	DC-2 DC-2-W-201012 L1273359-01 10/12/2020 WATER	DB-8A DB-8A-W-200423 L1212188-05 04/23/2020 WATER	DB-8A DB-8A-W-201012 L1273359-02 10/12/2020 WATER	DB-17 DB-17-W-200423 L1212188-03 04/23/2020 WATER	OR-2 OR-2-W-200423 L1212188-06 04/23/2020 WATER	OR-2 OR-2-W-201012 L1273359-03 10/12/2020 WATER	OR-3 OR-3-W-200423 L1212188-01 04/23/2020 WATER	OR-3 OR-3-W-201013 L1273359-05 10/13/2020 WATER	OS-2 OS-2-W-200423 L1212188-07 04/23/2020 WATER	OS-2 BD-1-W-200423 L1212188-13 04/23/2020 WATER	OS-2 OS-2-W-201012 L1273359-04 10/12/2020 WATER
Semivolatile Organic Compounds (cont.)																
Benzo[b]fluoranthene	µg/L	0.002	--	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	0.0354 J	1.0 U	1.0 U	0.0500 U
Benzo[g,h,i]perylene	µg/L	--	--	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	0.0302 J	1.0 U	1.0 U	0.0500 U
Benzo[k]fluoranthene	µg/L	0.002	--	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 UJ	1.0 U	1.0 U	0.0500 U
Bis(2-chloroethoxy)methane	µg/L	5	--	10 U	10 U	5.0 U	10 U	5.25 U	10 U	10 U	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U
Bis(2-chloroethyl)ether	µg/L	1	--	10 U	10 U	1.0 U	10 U	1.05 U	10 U	10 U	1.0 U	10 U	1.0 U	10 U	10 U	1.0 U
Bis(2-ethylhexyl) phthalate	µg/L	5	--	3.0 U	3.0 U	3.0 U	3.0 U	3.15 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Butyl benzyl phthalate	µg/L	50	--	3.0 U	3.0 U	3.0 U	3.0 U	3.15 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Caprolactam	µg/L	--	9,900	--	--	10 U	--	1.64 J	--	--	10 U	--	10 U	--	--	10 U
Carbazole	µg/L	--	--	--	--	10 U	--	10.5 U	--	--	10 U	--	10 U	--	--	10 U
Chrysene	µg/L	0.002	--	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	0.0211 J	1.0 U	1.0 U	0.0500 U
Dibenz(a,h)anthracene	µg/L	--	0.03	0.2 U	0.2 U	0.0500 U	0.2 U	0.0500 U	0.2 U	0.2 U	0.0500 U	0.2 U	0.0500 U	0.2 U	0.2 U	0.0500 U
Dibenzofuran	µg/L	--	7.90	--	--	0.0500 U	--	0.0500 U	--	--	0.0500 U	--	0.0500 UJ	--	--	0.0500 U
Diethyl phthalate	µg/L	50	--	3.0 U	3.0 U	3.0 U	3.0 U	3.15 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Dimethyl phthalate	µg/L	50	--	3.0 U	3.0 U	3.0 U	3.0 U	3.15 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Di-n-butyl phthalate	µg/L	50	--	3.0 U	3.0 U	3.0 U	3.0 U	3.15 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Di-n-octyl phthalate	µg/L	50	--	3.0 U	3.0 U	3.0 U	3.0 U	3.15 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Fluoranthene	µg/L	50	--	1.0 U	1.0 U	0.100 U	1.0 U	0.100 U	1.0 U	1.0 U	0.100 U	1.0 U	0.0439 J	1.0 U	1.0 U	0.100 U
Fluorene	µg/L	50	--	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 UJ	1.0 U	1.0 U	0.0500 U
Hexachlorobenzene	µg/L	0.04	--	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U
Hexachlorobutadiene	µg/L	0.5	--	0.324 J	10 U	10 U	1.2 J	0.296 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	µg/L	5	--	10 U	10 U	5.0 U	10 U	5.25 U	10 U	10 U	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U
Hexachloroethane	µg/L	5	--	10 U	10 U	5.0 U	10 U	5.25 U	10 U	10 U	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U
Indeno[1,2,3-cd]pyrene	µg/L	0.002	--	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	0.0301 J	1.0 U	1.0 U	0.0500 U
Isophorone	µg/L	50	--	10 U	10 U	10 U	10 U	10.5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	µg/L	10	--	1.0 U	1.0 U	<0.250 U	1.0 U	<0.250 U	1.0 U	1.0 U	<0.250 U	1.0 U	0.250 U J	1.0 U	1.0 U	<0.250 U
Nitrobenzene	µg/L	0.4	--	10 U	10 U	10 U	10 U	10.5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodi-n-propylamine	µg/L	--	0.01	10 U	10 U	10 U	10 U	10.5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	µg/L	50	--	10 U	10 U	10 U	10 U	10.5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	µg/L	1	--	10 U	10 U	1.0 U	10 U	1.05 U	10 U	10 U	1.0 U	10 U	1.0 U	10 U	10 U	1.0 U
Phenanthrene	µg/L	50	--	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	0.0205 J	1.0 U	1.0 U	0.0500 U
Phenol	µg/L	1	--	10 U	10 U	10 U	10 U	10.5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	µg/L	50	--	1.0 U	1.0 U	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	0.0349 J	1.0 U	1.0 U	0.0500 U
Total Conc	µg/L	--	--	0.324	0.00	0.00	1.2	1.936	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00
SVOC Tentatively Identified Compounds																
tri(2-Ethylhexyl) trimellitate	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Lead , Dissolved	µg/L	25	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

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Volatile Organic Compounds																
1,1,1-Trichloroethane	µg/L	5	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
1,1,2,2-Tetrachloroethane	µg/L	5	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	5	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
1,1,2-Trichloroethane	µg/L	1	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
1,1-Dichloroethane	µg/L	5	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
1,1-Dichloroethene	µg/L	5	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.500 U	0.500 U
1,2,3-Trichlorobenzene	µg/L	--	7	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
1,2,4-Trichlorobenzene	µg/L	5	--	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-Chloropropane	µg/L	--	0.0003	0.00500 U	5.0 U	0.00500 U	5.0 U	5.0 U	0.00500 U	5.0 U	5.0 U	0.00500 U	0.00500 U	5.0 U	0.00500 U	0.00500 U
1,2-Dichlorobenzene	µg/L	3	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
1,2-Dichloroethane	µg/L	0.6	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
1,2-Dichloropropane	µg/L	1	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
1,3-Dichlorobenzene	µg/L	3	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
1,4-Dichlorobenzene	µg/L	3	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
1,4-Dioxane	µg/L	--	0.46	--	--	--	--	--	--	--	--	--	0.400 U	--	--	--
2-Butanone (MEK)	µg/L	50	--	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U	13	10 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U
2-Hexanone	µg/L	50	--	5.0 U	--	5.0 U	--	--	5.0 U	--	--	5.0 U	5.0 U	--	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)	µg/L	--	6,300	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U	10 U	10 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U
Acetone	µg/L	50	--	25 U	50 U	25 U	50 U	50 U	25 U	11.7 J	50 U	25 U	25 U	50 U	25 U	25 U
Benzene	µg/L	1	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
Bromoform	µg/L	50	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
Bromomethane	µg/L	5	--	2.50 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U	2.50 U	5.0 U	2.50 U	2.50 U
Carbon disulfide	µg/L	60	--	0.500 U	--	0.500 U	--	--	0.500 U	--	--	0.500 U	0.500 U	--	0.500 U	0.500 U
Carbon tetrachloride	µg/L	5	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
Chlorobenzene	µg/L	5	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
Chlorobromomethane	µg/L	--	83	0.500 U	--	0.500 U	--	--	0.500 U	--	--	0.500 U	0.500 U	--	0.500 U	0.500 U
Chlorodibromomethane	µg/L	50	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
Chloroethane	µg/L	5	--	2.50 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U	2.50 U	5.0 U	2.50 U	2.50 U
Chloroform	µg/L	7	--	0.182 J	5.0 U	0.500 U	5.0 U	5.0 U	0.500 U	5.0 U	5.0 U	0.500 U	0.500 U	5.0 U	0.500 U	0.500 U
Chloromethane	µg/L	5	--	1.25 U	2.5 U	1.25 U	2.5 U	2.5 U	1.25 U	2.5 U	2.5 U	1.25 U	1.25 U	2.5 U	1.25 U	1.25 U
cis-1,2-Dichloroethene	µg/L	5	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
cis-1,3-Dichloropropene	µg/L	0.4	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
Cyclohexane	µg/L	--	13,000	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorobromomethane	µg/L	50	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
Dichlorodifluoromethane	µg/L	--	200	2.50 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U	2.50 U	5.0 U	2.50 U	2.50 U
Ethylbenzene	µg/L	5	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
Ethylene Dibromide	µg/L	--	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
Isopropylbenzene	µg/L	--	450	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
Methyl acetate	µg/L	--	20,000	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether	µg/L	10	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
Methylcyclohexane	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	µg/L	5	--	2.50 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U	2.50 U	5.0 U	2.50 U	2.50 U
m-Xylene & p-Xylene	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	µg/L	--	190	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	µg/L	5	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U

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Volatile Organic Compounds (cont.)																
Tetrachloroethene	µg/L	5	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
Toluene	µg/L	5	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
trans-1,2-Dichloroethene	µg/L	5	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
trans-1,3-Dichloropropene	µg/L	0.4	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
Trichloroethene	µg/L	5	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
Trichlorofluoromethane	µg/L	5	--	2.50 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U	5.0 U	5.0 U	2.50 U	2.50 U	5.0 U	2.50 U	2.50 U
Vinyl chloride	µg/L	2	--	0.500 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	1.0 U	1.0 U	0.500 U	0.500 U	1.0 U	0.500 U	0.500 U
Total Conc	µg/L	--	--	0.182	0.00	0.00	0.00	0.00	0.00	24.7	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00
Semivolatile Organic Compounds																
1,1'-Biphenyl	µg/L	--	0.83	10 U	--	10 U	--	--	10 U	--	--	10 U	10 U	--	--	--
1,2,4,5-Tetrachlorobenzene	µg/L	--	1.7	10 U	--	10 U	--	--	10 U	--	--	10 U	10 U	--	--	--
2,2'-oxybis[1-chloropropane]	µg/L	5	--	5.00 U	--	5.00 U	--	--	5.00 U	--	--	5.00 U	5.00 U	--	--	--
2,3,4,6-Tetrachlorophenol	µg/L	--	240	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	µg/L	1	--	1.0 U	--	1.0 UJ	--	--	1.0 UJ	--	--	1.0 UJ	1.0 U	--	--	--
2,4,6-Trichlorophenol	µg/L	1	--	1.0 U	10 U	1.0 U	10 U	10 U	1.0 U	10 U	10 U	1.0 U	1.0 U	--	--	--
2,4-Dichlorophenol	µg/L	5	--	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U	10 U	10 U	5.0 U	5.0 U	--	--	--
2,4-Dimethylphenol	µg/L	50	--	10 U	10 U	10.0 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
2,4-Dinitrophenol	µg/L	10	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
2,4-Dinitrotoluene	µg/L	5	--	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U	10 U	10 U	5.0 U	5.0 U	--	--	--
2,6-Dinitrotoluene	µg/L	5	--	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U	10 U	10 U	5.0 U	5.0 U	--	--	--
2-Chloronaphthalene	µg/L	10	--	0.250 U	1.0 U	0.250 U	1.0 U	1.0 U	0.250 U	1.0 U	1.0 U	0.250 U	0.250 U	--	--	--
2-Chlorophenol	µg/L	1	--	1.0 U	10 U	1.0 U	10 U	10 U	1.0 U	10 U	10 U	1.0 U	1.0 U	--	--	--
2-Methylnaphthalene	µg/L	--	36	0.250 U	--	0.250 U	--	--	0.250 U	--	--	0.250 U	0.250 U	--	--	--
2-Methylphenol	µg/L	1	--	1.0 U	--	1.0 U	--	--	1.0 U	--	--	1.0 U	1.0 U	--	--	--
2-Nitroaniline	µg/L	5	--	5.0 U	--	5.0 U	--	--	5.0 U	--	--	5.0 U	5.0 U	--	--	--
2-Nitrophenol	µg/L	1	--	1.0 U	10 U	1.0 U	10 U	10 U	1.0 U	10 U	10 U	1.0 U	1.0 U	--	--	--
3,3'-Dichlorobenzidine	µg/L	5	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
3-Nitroaniline	µg/L	5	--	5.0 U	--	5.0 U	--	--	5.0 U	--	--	5.0 U	5.0 U	--	--	--
4,6-Dinitro-2-methylphenol	µg/L	1	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
4-Bromophenyl phenyl ether	µg/L	--	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
4-Chloro-3-methylphenol	µg/L	1	--	1.0 U	10 U	1.0 UJ	10 U	10 U	1.0 UJ	10 U	10 U	1.0 UJ	1.0 U	--	--	--
4-Chloroaniline	µg/L	5	--	5.0 U	--	5.0 U	--	--	5.0 U	--	--	5.0 U	5.0 U	--	--	--
4-Chlorophenyl phenyl ether	µg/L	--	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
4-Methylphenol	µg/L	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	µg/L	5	--	5.0 U	--	5.0 U	--	--	5.0 U	--	--	5.0 U	5.0 U	--	--	--
4-Nitrophenol	µg/L	1	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
Acenaphthene	µg/L	20	--	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	0.0500 U	--	--	--
Acenaphthylene	µg/L	--	--	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	0.0500 U	--	--	--
Acetophenone	µg/L	--	1,900	10 U	--	10 U	--	--	10 U	--	--	10 U	10 U	--	--	--
Anthracene	µg/L	50	--	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	0.0500 U	--	--	--
Atrazine	µg/L	--	0.30	10 U	--	10 U	--	--	10 U	--	--	10 U	10 U	--	--	--
Benzaldehyde	µg/L	--	19	10 U	--	10 U	--	--	10 U	--	--	10 U	10 U	--	--	--
Benzo[a]anthracene	µg/L	0.002	--	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	0.0500 U	--	--	--
Benzo[a]pyrene	µg/L	--	0.03	0.0500 U	0.2 U	0.0500 U	0.2 U	0.2 U	0.0500 U	0.2 U	0.2 U	0.0500 U	0.0500 U	--	--	--

Table 3
Groundwater Analytical Results - 2020
2020 Order on Consent Groundwater Monitoring Report
OU-1C and OU-1E Parcels
Former Texaco Research Center Beacon
Glenham, New York



Location ID: Field Sample ID: Lab Sample ID: Date Sampled: Sample Matrix:				OS-2 BD-W-201012 L1273359-07 10/12/2020 WATER	OS-3 OS-3-W-200423 L1212188-02 04/23/2020 WATER	OS-3 OS-3-W-201013 L1273359-06 10/13/2020 WATER	TF-5 TF-5-W-200422 L1212188-04 04/22/2020 WATER	TF-23 TF-23-W-200422 L1212188-10 04/22/2020 WATER	TF-23 TF-23-W-201013 L1273359-12 10/13/2020 WATER	EB-1 EB-1-W-200422 L1212188-11 04/22/2020 WATER	EB-2 EB-2-W-200423 L1212188-12 04/23/2020 WATER	EB-1 EB-1-W-201013 L1273359-08 10/13/2020 WATER	EB-2 EB-2-W-201012 L1273359-09 10/12/2020 WATER	Trip Blank TRIP BLANK-200423 L1212188-14 04/23/2020 WATER	TB-1 TB-1-W-201012 L1273359-10 10/12/2020 WATER	TB-2 TB-2-W-201013 L1273359-11 10/13/2020 WATER
Semivolatile Organic Compounds (cont.)																
Benzo[b]fluoranthene	µg/L	0.002	--	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	0.0500 U	--	--	--
Benzo[g,h,i]perylene	µg/L	--	--	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	0.0500 U	--	--	--
Benzo[k]fluoranthene	µg/L	0.002	--	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	0.0500 U	--	--	--
Bis(2-chloroethoxy)methane	µg/L	5	--	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U	10 U	10 U	5.0 U	5.0 U	--	--	--
Bis(2-chloroethyl)ether	µg/L	1	--	1.0 U	10 U	1.0 U	10 U	10 U	1.0 U	10 U	10 U	1.0 U	1.0 U	--	--	--
Bis(2-ethylhexyl) phthalate	µg/L	5	--	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	--	--	--
Butyl benzyl phthalate	µg/L	50	--	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	--	--	--
Caprolactam	µg/L	--	9,900	10 U	--	10 U	--	--	10 U	--	--	10 U	10 U	--	--	--
Carbazole	µg/L	--	--	10 U	--	10 U	--	--	10 U	--	--	10 U	10 U	--	--	--
Chrysene	µg/L	0.002	--	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	0.0500 U	--	--	--
Dibenz(a,h)anthracene	µg/L	--	0.03	0.0500 U	0.2 U	0.0500 U	0.2 U	0.2 U	0.0500 U	0.2 U	0.2 U	0.0500 U	0.0500 U	--	--	--
Dibenzofuran	µg/L	--	7.90	0.0500 U	--	0.0500 U	--	--	0.0500 U	--	--	0.0500 U	0.0500 U	--	--	--
Diethyl phthalate	µg/L	50	--	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	--	--	--
Dimethyl phthalate	µg/L	50	--	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	--	--	--
Di-n-butyl phthalate	µg/L	50	--	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	--	--	--
Di-n-octyl phthalate	µg/L	50	--	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	--	--	--
Fluoranthene	µg/L	50	--	0.100 U	1.0 U	0.100 U	1.0 U	1.0 U	0.100 U	1.0 U	1.0 U	0.100 U	0.100 U	--	--	--
Fluorene	µg/L	50	--	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	0.0500 U	--	--	--
Hexachlorobenzene	µg/L	0.04	--	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	0.0500 U	--	--	--
Hexachlorobutadiene	µg/L	0.5	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
Hexachlorocyclopentadiene	µg/L	5	--	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U	10 U	10 U	5.0 U	5.0 U	--	--	--
Hexachloroethane	µg/L	5	--	5.0 U	10 U	5.0 U	10 U	10 U	5.0 U	10 U	10 U	5.0 U	5.0 U	--	--	--
Indeno[1,2,3-cd]pyrene	µg/L	0.002	--	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	0.0500 U	--	--	--
Isophorone	µg/L	50	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
Naphthalene	µg/L	10	--	<0.250 U	1.0 U	<0.250 U	1.0 U	1.0 U	<0.250 U	1.0 U	1.0 U	<0.250 U	<0.250 U	--	--	--
Nitrobenzene	µg/L	0.4	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
N-Nitrosodi-n-propylamine	µg/L	--	0.01	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
N-Nitrosodiphenylamine	µg/L	50	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
Pentachlorophenol	µg/L	1	--	1.0 U	10 U	1.0 U	10 U	10 U	1.0 U	10 U	10 U	1.0 U	1.0 U	--	--	--
Phenanthrene	µg/L	50	--	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	0.0500 U	--	--	--
Phenol	µg/L	1	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
Pyrene	µg/L	50	--	0.0500 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	1.0 U	1.0 U	0.0500 U	0.0500 U	--	--	--
Total Conc	µg/L	--	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--	--	--
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	--	--	--
SVOC Tentatively Identified Compounds																
tri(2-Ethylhexyl) trimellitate	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Lead , Dissolved	µg/L	25	--	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	--	--	--

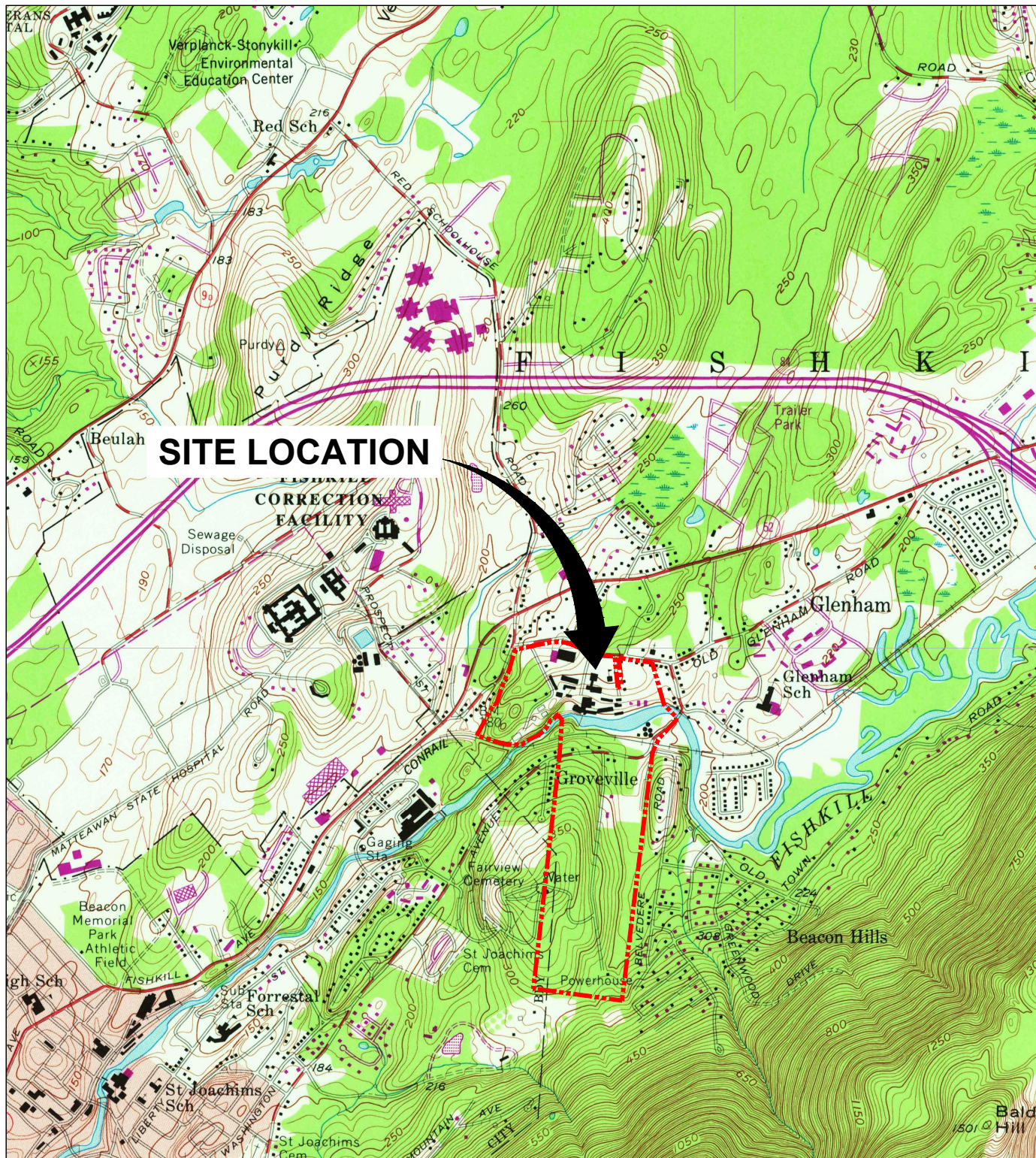
Table 3
Groundwater Analytical Results - 2020
2020 Order on Consent Groundwater Monitoring Report
OU-1C and OU-1E Parcels
Former Texaco Research Center Beacon
Glenham, New York



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
MDL: Method detection limit (MDL)
J: Result is less than the Reported detection Limit (RDL) but greater than or equal to the MDL and the concentration is an approximate value.
U: Indicates the analyte was analyzed for but not detected at the indicated concentration.
UJ: The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
--: Not available
Yellow highlighted cells are concentration exceeding either NY TOGS or USEPA standards.
Italics: Non-detects above applicable standards
Monitoring wells DC-1 and DB-17 were not sampled in October 2020.

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.



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BEACON, NEW YORK
**2020 ORDER ON CONSENT GROUNDWATER
MONITORING REPORT**

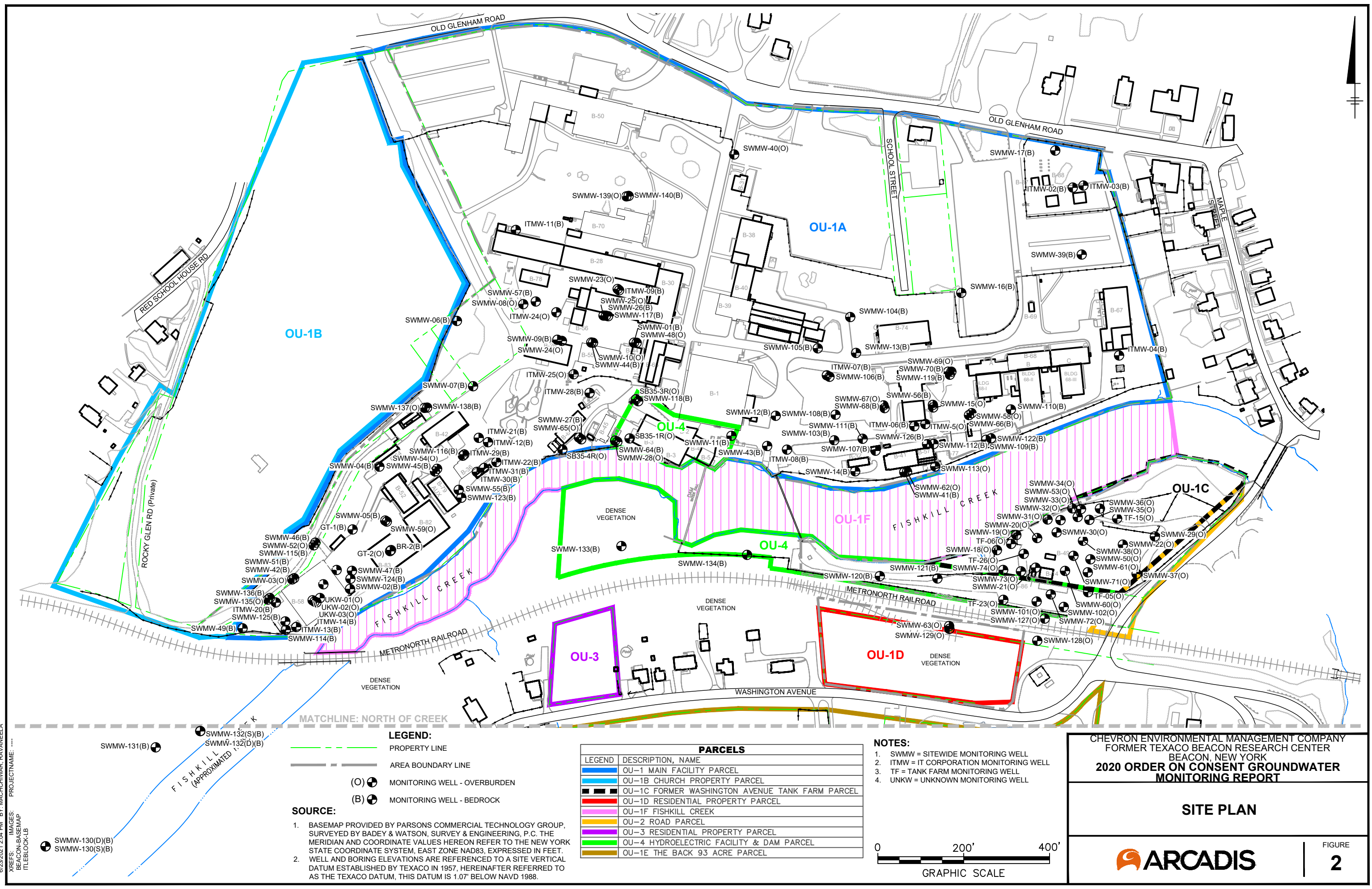
SITE LOCATION MAP



FIGURE

1

C:\Users\machidh\1256\BIM_360\Arcade\AUS-CHEVRON-FORMER TEXACO-BEACON-New York\Project Files\202101-In Progress\01-DWG\GWMW-202004-F02-SITE PLAN.dwg LAYOUT: 2.04 PM. BY: MACHIDHAR, RAVANEELA. 6/23/2021 2:04 PM. PROJECTNAME: BEACON-BASEMAP. TITILEBLOCK: LB. PLOTTED: 6/23/2021 2:01 PM. ACADVER: 23.1S (LMS TECH). PAGESETUP: ----. PLOTSTYLETABLE: ----. PLOTTED: 6/23/2021 2:04 PM.

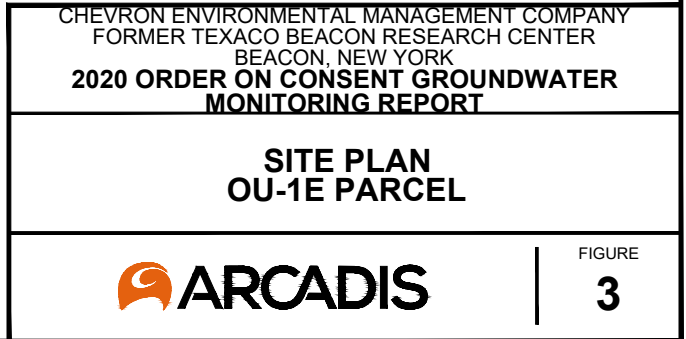


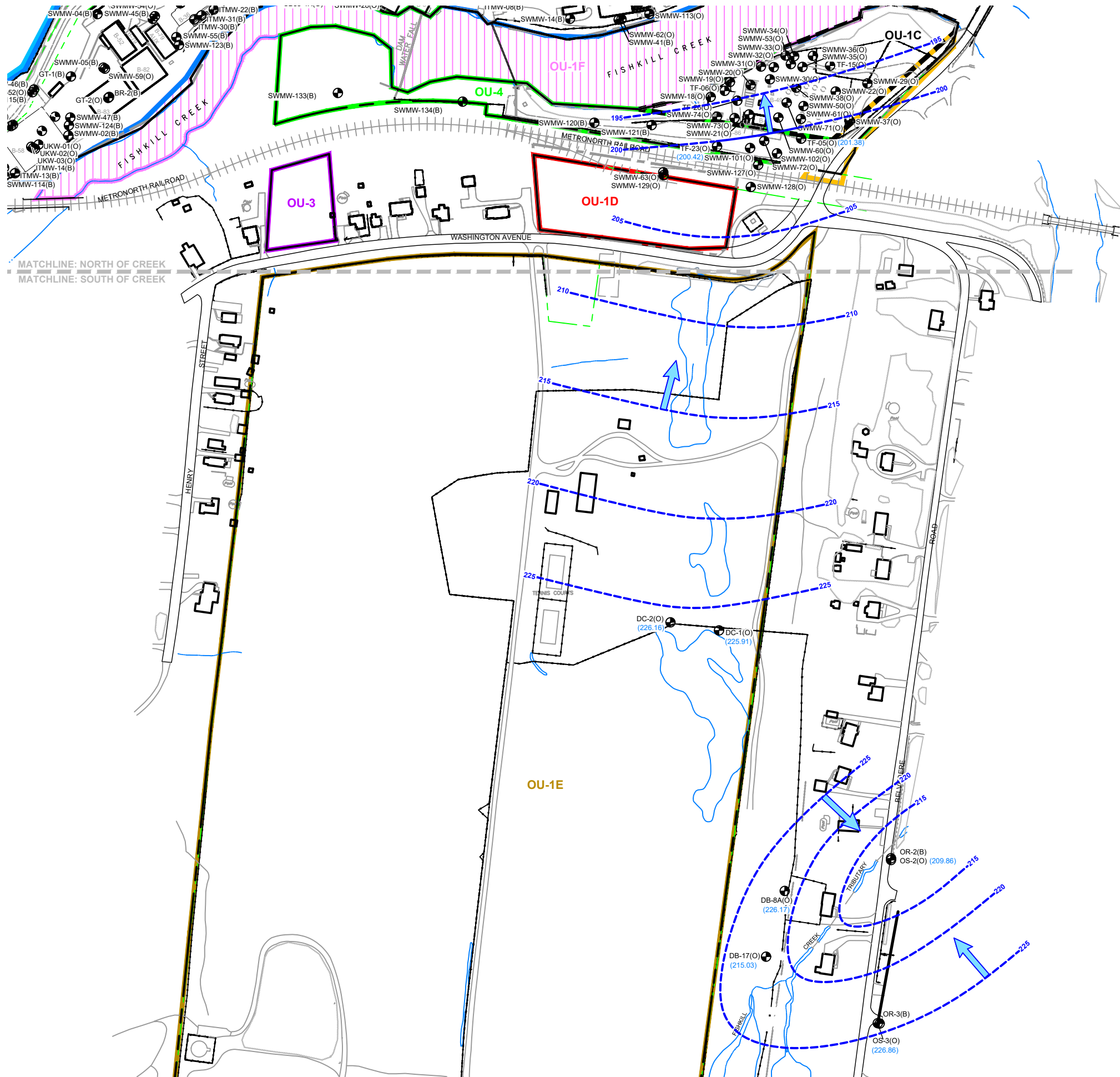
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SITE PLAN

ARCADIS

FIGURE
2





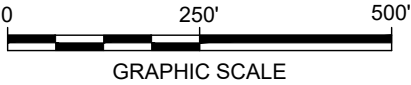
LEGEND:

- PROPERTY LINE
- AREA BOUNDARY LINE
- (O) MONITORING WELL - OVERBURDEN
- (B) MONITORING WELL - BEDROCK
- (226.17) GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION

PARCELS	
LEGEND	DESCRIPTION, NAME
[Blue outline]	OU-1 MAIN FACILITY PARCEL
[Black outline]	OU-1C FORMER WASHINGTON AVENUE TANK FARM PARCEL
[Red outline]	OU-1D RESIDENTIAL PROPERTY PARCEL
[Pink outline]	OU-1F FISHKILL CREEK
[Yellow outline]	OU-2 ROAD PARCEL
[Purple outline]	OU-3 RESIDENTIAL PROPERTY PARCEL
[Green outline]	OU-4 HYDROELECTRIC FACILITY & DAM PARCEL
[Brown outline]	OU-1E THE BACK 93 ACRE PARCEL

- NOTES:**
- SWMW = SITEWIDE MONITORING WELL
 - ITMW = IT CORPORATION MONITORING WELL
 - TF = TANK FARM MONITORING WELL
 - UNKW = UNKNOWN MONITORING WELL
 - BEDROCK MONITORING WELLS NOT CONSIDERED IN DEVELOPMENT OF GROUNDWATER ELEVATION CONTOURS.

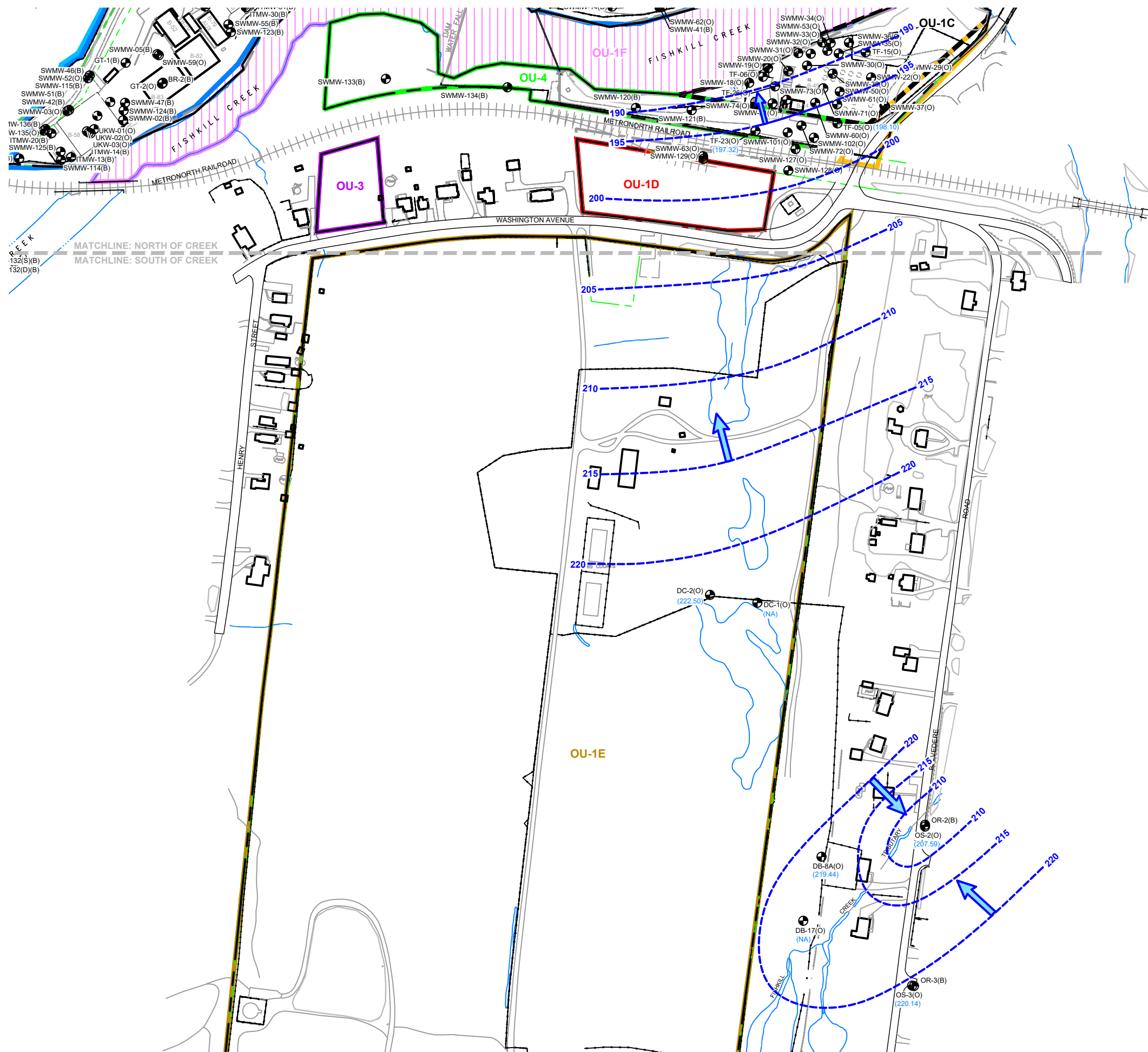
- SOURCE:**
- BASEMAP PROVIDED BY PARSONS COMMERCIAL TECHNOLOGY GROUP, SURVEYED BY BADEY & WATSON, SURVEY & ENGINEERING, P.C. THE MERIDIAN AND COORDINATE VALUES HEREON REFER TO THE NEW YORK STATE COORDINATE SYSTEM, EAST ZONE NAD83, EXPRESSED IN FEET.
 - WELL AND BORING ELEVATIONS ARE REFERENCED TO A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



CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
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BEACON, NEW YORK
2020 ORDER ON CONSENT GROUNDWATER MONITORING REPORT

OU-1C AND OU-1E OVERBURDEN POTENTIOMETRIC SURFACE
APRIL 2020





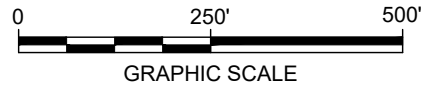
LEGEND:

- PROPERTY LINE
- AREA BOUNDARY LINE
- MONITORING WELL
- (222.50) GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION

PARCELS	
LEGEND	DESCRIPTION, NAME
[Blue outline]	OU-1 MAIN FACILITY PARCEL
[Black outline]	OU-1C FORMER WASHINGTON AVENUE TANK FARM PARCEL
[Red outline]	OU-1D RESIDENTIAL PROPERTY PARCEL
[Pink outline]	OU-1F FISHKILL CREEK
[Yellow outline]	OU-2 ROAD PARCEL
[Purple outline]	OU-3 RESIDENTIAL PROPERTY PARCEL
[Green outline]	OU-4 HYDROELECTRIC FACILITY & DAM PARCEL
[Brown outline]	OU-1E THE BACK 93 ACRE PARCEL

- NOTES:**
- SWMW = SITEWIDE MONITORING WELL
 - ITMW = IT CORPORATION MONITORING WELL
 - TF = TANK FARM MONITORING WELL
 - UNKW = UNKNOWN MONITORING WELL
 - BEDROCK MONITORING WELLS NOT CONSIDERED IN DEVELOPMENT OF GROUNDWATER ELEVATION CONTOURS.

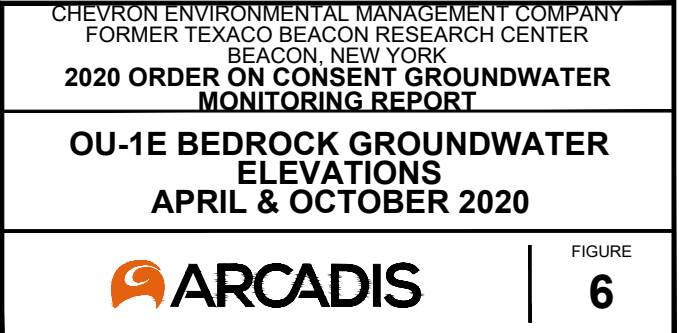
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- BASEMAP PROVIDED BY PARSONS COMMERCIAL TECHNOLOGY GROUP, SURVEYED BY BADEY & WATSON, SURVEY & ENGINEERING, P.C. THE MERIDIAN AND COORDINATE VALUES HEREON REFER TO THE NEW YORK STATE COORDINATE SYSTEM, EAST ZONE NAD83, EXPRESSED IN FEET.
 - WELL AND 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.

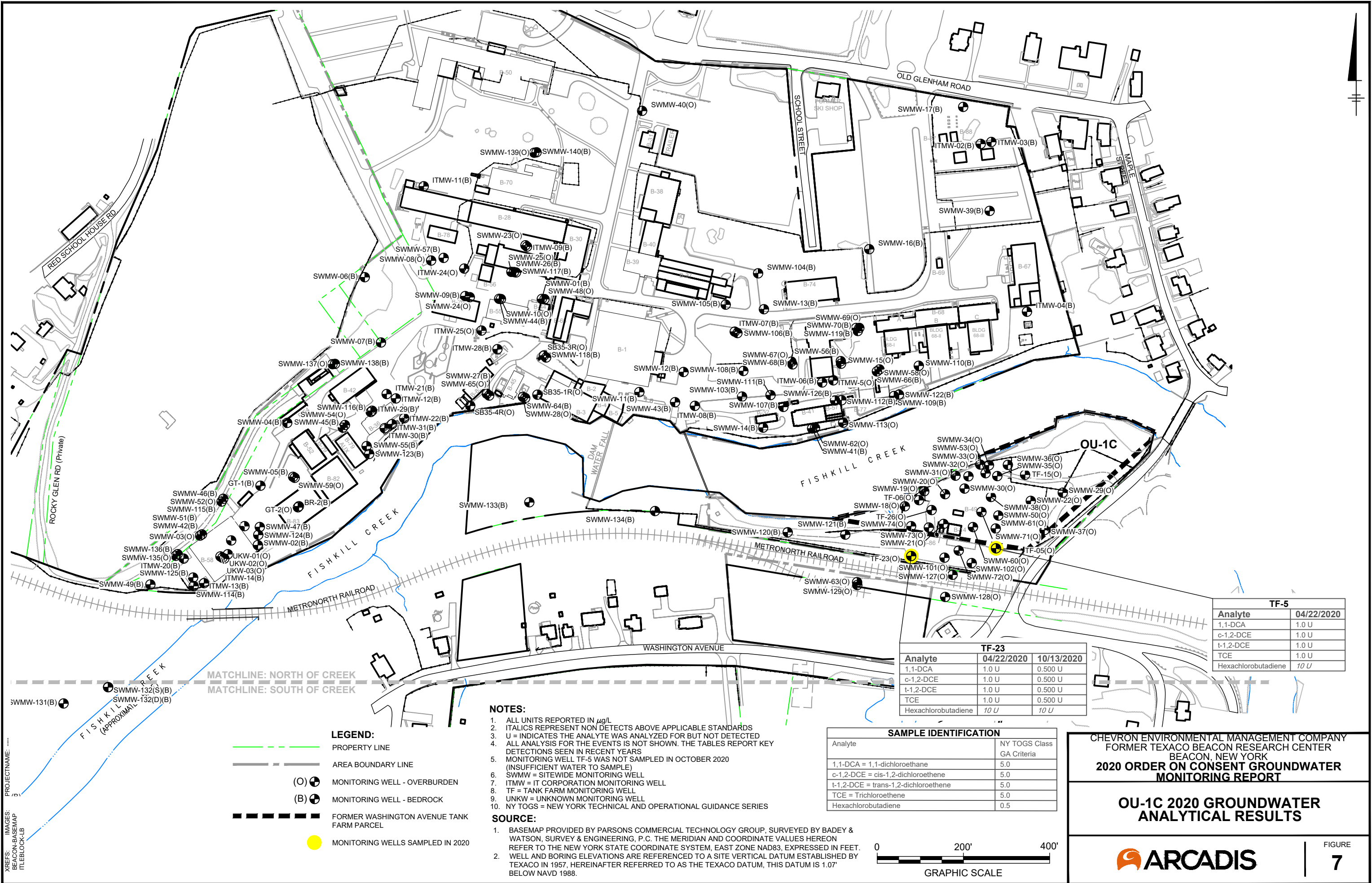


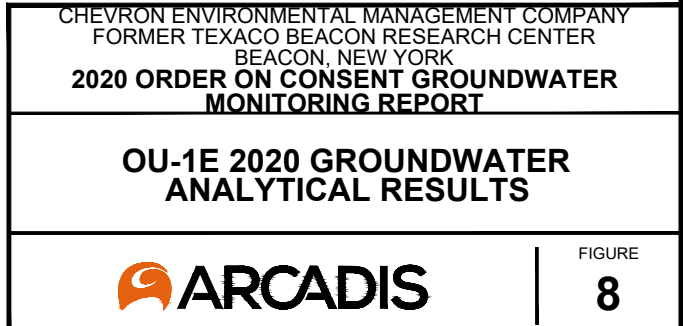
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER TEXACO BEACON RESEARCH CENTER
BEACON, NEW YORK
2020 ORDER ON CONSENT GROUNDWATER MONITORING REPORT

**OU-1C AND OU-1E OVERBURDEN POTENTIOMETRIC SURFACE
OCTOBER 2020**









APPENDIX A

Groundwater Sampling Logs



Water Sampling Log

Project	Chevron 314004 Beacon (Former Texaco Research Center)	Project No.	30043615
Site Location	Beacon, NY	Date	4/23/2020
Well No.	DC-1	Replicate No.	Not applicable
		Weather	Cloudy, 39F
Sampling Personnel	Balele Sandaogo	Sampling Time:	
		Begin	15:35
		End	15:40

Purge Data
Field Parameters

Measuring Point (describe)	Top of Casing	Color	No			
Sounded Well Depth (ft bmp)	4.98	Odor	No			
Depth to Water (ft bmp)	3.44	Appearance	Clear			
Depth to Packer (ft bmp)	Not Applicable					
Water Column in Well (ft)	0.54					
Casing Diameter	2 inches	pH (s.u.)	6.86	6.96	6.96	6.96
Gallons in Well	0.25	Conductivity				
Gallons Purged		(mS/cm) or	0.577	0.583	0.583	0.584
Prior to Sampling	0.75	(µmhos/cm) ¹⁾				
Pump Intake						
Setting (ft bmp)	--	Temperature (°C)	8.54	8.49	8.56	8.61
Packer Pressure (psi)	Not Applicable	DO (mg/L)	3.33	2.73	2.56	2.50
Pumping Rate (gpm)	Not Applicable	ORP (mV)	199	198	197	196
Evacuation Method	Monsoon pump	Turbidity (NTU)	96.3	76.4	53.5	33.1
Sampling Method	Monsoon pump	Time	15:27	15:29	15:31	15:33
Purge Time	Begin 15:26 End 15:40	DTW (ft bmp)	NM	NM	NM	NM

Remarks: NM: Not measured

NA: Not available

Parameter	Container	No.	Preservative
VOCs	40 mL VOA vile	3	HCL
SVOCs	100 mL Amber	2	None
Lead	250 mL Plastic	1	None

PID Reading NA

Well Casing Volumes				
Gal./Ft.	1 ^{1/4"} = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1 ^{1/2"} = 0.09	2-1/2" = 0.26	3-1/2" = 0.50	6" = 1.47

1) Circle one unit type

Water Sampling Log

Project <u>Chevron 314004 Beacon (Former Texaco Research Center)</u>	Project No. <u>30043615</u>
Site Location <u>Beacon, NY</u>	Date <u>4/23/2020</u>
Well No. <u>DC-2</u>	Replicate No. <u>Not applicable</u>
Weather <u>Cloudy, 39F</u>	
Sampling Personnel <u>Balele Sandaogo</u>	Sampling Time: Begin <u>09:52</u> End <u>09:56</u>

Purge Data
Field Parameters

Measuring Point (describe)	<u>Top of Casing</u>	Color	<u>No</u>
Sounded Well Depth (ft bmp)	<u>13.75</u>	Odor	<u>No</u>
Depth to Water (ft bmp)	<u>2.98</u>	Appearance	<u>Clear</u>
Depth to Packer (ft bmp)	<u>Not Applicable</u>		
Water Column in Well (ft)	<u>10.77</u>		
Casing Diameter	<u>2 inches</u>	pH (s.u.)	<u>7.93</u>
Gallons in Well	<u>1.72</u>	Conductivity	<u>0.288</u>
Gallons Purged		(mS/cm) or	<u>0.255</u>
Prior to Sampling	<u>5.17</u>	(µmhos/cm) ¹⁾	<u>0.248</u>
Pump Intake			<u>0.246</u>
Setting (ft bmp)	<u>12.0</u>	Temperature (°C)	<u>9.03</u>
Packer Pressure (psi)	<u>Not Applicable</u>	DO (mg/L)	<u>5.21</u>
Pumping Rate (gpm)	<u>0.25</u>	ORP (mV)	<u>4.56</u>
Evacuation Method	<u>Monsoon pump</u>	Turbidity (NTU)	<u>154</u>
Sampling Method	<u>Monsoon pump</u>	Time	<u>165</u>
Purge Time	Begin <u>09:29</u> End <u>NA</u>	DTW (ft bmp)	<u>183</u>
			<u>23.0</u>
			<u>9:30</u>
			<u>9:39</u>
			<u>9:43</u>
			<u>9:50</u>

Remarks: NA: Not available

Parameter	Container	No.	Preservative
VOCs	<u>40 mL VOA vile</u>	<u>3</u>	<u>HCl</u>
SVOCs	<u>100 mL Amber</u>	<u>2</u>	<u>None</u>
Lead	<u>250 mL Plastic</u>	<u>1</u>	<u>None</u>

PID Reading NA

Well Casing Volumes				
Gal./Ft.	<u>1^{1/4}" = 0.06</u>	<u>2" = 0.16</u>	<u>3" = 0.37</u>	<u>4" = 0.65</u>
	<u>1^{1/2}" = 0.09</u>	<u>2-1/2" = 0.26</u>	<u>3-1/2" = 0.50</u>	<u>6" = 1.47</u>

1) Circle one unit type

Water Sampling Log

Project	Chevron 314004 Beacon (Former Texaco Research Center)	Project No.	30043615
Site Location	Beacon, NY	Date	4/23/2020
Well No.	DB-8A	Replicate No.	Not Applicable
		Weather	--
Sampling Personnel	Kirk Vargas	Sampling Time:	
		Begin	15:36
		End	15:41

Purge Data

Field Parameters

Measuring Point (describe)	Top of Casing	Color	No			
Sounded Well Depth (ft bmp)	16.50	Odor	No			
Depth to Water (ft bmp)	6.55	Appearance	--			
Depth to Packer (ft bmp)	Not Applicable					
Water Column in Well (ft)	9.95					
Casing Diameter	2 inches	pH (s.u.)	6.95	7.05	6.95	6.89
Gallons in Well	1.59	Conductivity				
Gallons Purged		(mS/cm) or	0.369	0.327	0.304	0.292
Prior to Sampling	4.77	(µmhos/cm) ¹⁾				
Pump Intake						
Setting (ft bmp)	--	Temperature (°C)	8.72	8.51	8.51	8.50
Packer Pressure (psi)	Not Applicable	DO (mg/L)	3.27	183	1.85	1.70
Pumping Rate (gpm)	Not Applicable	ORP (mV)	173	162	156	144
Evacuation Method	Monsoon Pump	Turbidity (NTU)	222	32.7	15.9	6.5
Sampling Method	Monsoon Pump	Time	10:35	10:38	10:41	10:47
Purge Time	Begin 10:35 End 10:47	DTW (ft bmp)	7.03	7.10	7.21	7.30

Remarks: NA: Not available

Parameter	Container	No.	Preservative
VOCs	40 mL VOA vile	3	HCL
SVOCs	120 mL Amber	2	None
Lead	250 mL Plastic	1	None
PID Reading	NA		

Well Casing Volumes				
Gal./Ft.	1 ^{1/4"} = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1 ^{1/2"} = 0.09	2-1/2" = 0.26	3-1/2" = 0.50	6" = 1.47

1) Circle one unit type

Water Sampling Log

Project	Chevron 314004 Beacon (Former Texaco Research Center)	Project No.	30043615
Site Location	Beacon, NY	Date	4/23/2020
Well No.	DB-17	Replicate No.	Not Applicable
		Weather	Cloudy
Sampling Personnel	Kirk Vargas	Sampling Time:	
		Begin	10:05
		End	10:10

Purge Data

Field Parameters

Measuring Point (describe)	Top of Casing	Color	No
Sounded Well Depth (ft bmp)	9.19	Odor	No
Depth to Water (ft bmp)	7.81	Appearance	Turbid
Depth to Packer (ft bmp)	Not Applicable		
Water Column in Well (ft)	1.38		
Casing Diameter	2 inches	pH (s.u.)	--
Gallons in Well	0.22	Conductivity	--
Gallons Purged		(mS/cm) or	--
Prior to Sampling	0.66	(µmhos/cm) ¹⁾	--
Pump Intake			
Setting (ft bmp)	8.5	Temperature (°C)	--
Packer Pressure (psi)	Not Applicable	DO (mg/L)	--
Pumping Rate (gpm)	Not Applicable	ORP (mV)	--
Evacuation Method	Monsoon Pump	Turbidity (NTU)	--
Sampling Method	Monsoon Pump	Time	--
Purge Time	Begin 09:17 End 10:05	DTW (ft bmp)	--

Remarks: Not enough water to pump using Monsoon pump

A bailer was used to obtain 3 well volumes

NA: Not available

Parameter	Container	No.	Preservative
VOCs	40 mL VOA vile	3	HCL
SVOCs	120 mL Amber	2	None
Lead	250 mL Plastic	1	None
PID Reading	NA		

Well Casing Volumes				
Gal./Ft.	1 ^{1/4"} = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1 ^{1/2"} = 0.09	2-1/2" = 0.26	3-1/2" = 0.50	6" = 1.47

1) Circle one unit type

Water Sampling Log

Project <u>Chevron 314004 Beacon (Former Texaco Research Center)</u>	Project No. <u>30043615</u>
Site Location <u>Beacon, NY</u>	Date <u>4/23/2020</u>
Well No. <u>OR-2</u>	Replicate No. <u>Not applicable</u>
Weather <u>Cloudy, 40F</u>	
Sampling Personnel <u>Balele Sandaogo</u>	Sampling Time: Begin <u>14:50</u> End <u>14:55</u>

Purge Data
Field Parameters

Measuring Point (describe)	<u>Top of Casing</u>	Color	<u>No</u>
Sounded Well Depth (ft bmp)	<u>38.95</u>	Odor	<u>No</u>
Depth to Water (ft bmp)	<u>6.08</u>	Appearance	<u>Clear</u>
Depth to Packer (ft bmp)	<u>Not Applicable</u>		
Water Column in Well (ft)	<u>32.87</u>		
Casing Diameter	<u>4 inches</u>	pH (s.u.)	<u>7.22</u> <u>7.21</u> <u>7.25</u> <u>--</u>
Gallons in Well	<u>21.36</u>	Conductivity	
Gallons Purged		(mS/cm) or	<u>0.478</u> <u>0.560</u> <u>0.572</u> <u>--</u>
Prior to Sampling	<u>64.09</u>	(µmhos/cm) ¹⁾	
Pump Intake		Temperature (°C)	<u>10.22</u> <u>11.51</u> <u>11.66</u> <u>--</u>
Setting (ft bmp)	<u>36.00</u>		
Packer Pressure (psi)	<u>Not Applicable</u>	DO (mg/L)	<u>0.18</u> <u>0.07</u> <u>0.01</u> <u>--</u>
Pumping Rate (gpm)	<u>1</u>	ORP (mV)	<u>204</u> <u>-99</u> <u>-108</u> <u>--</u>
Evacuation Method	<u>Monsoon pump</u>	Turbidity (NTU)	<u>5.2</u> <u>1.0</u> <u>0.6</u> <u>--</u>
Sampling Method	<u>Monsoon pump</u>	Time	<u>13:29</u> <u>14:00</u> <u>14:24</u> <u>--</u>
Purge Time	Begin <u>13:27</u> End <u>--</u>	DTW (ft bmp)	<u>7.11</u> <u>12.36</u> <u>16.12</u> <u>--</u>

Remarks: NA: Not available

Parameter	Container	No.	Preservative
<u>VOCs</u>	<u>40 mL VOA vile</u>	<u>3</u>	<u>HCL</u>
<u>SVOCs</u>	<u>100 mL Amber</u>	<u>2</u>	<u>None</u>
<u>Lead</u>	<u>250 mL Plastic</u>	<u>1</u>	<u>None</u>

PID Reading NA

Well Casing Volumes				
Gal./Ft.	1 ^{1/4"} = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1 ^{1/2"} = 0.09	2-1/2" = 0.26	3-1/2" = 0.50	6" = 1.47

1) Circle one unit type

Water Sampling Log

Project <u>Chevron 314004 Beacon (Former Texaco Research Center)</u>	Project No. <u>30043615</u>
Site Location <u>Beacon, NY</u>	Date <u>4/23/2020</u>
Well No. <u>OR-3</u>	Replicate No. <u>Not applicable</u>
Weather <u>Cloudy, 41F</u>	
Sampling Personnel <u>Kirk Vargas</u>	Sampling Time: Begin <u>14:42</u> End <u>14:47</u>

Purge Data
Field Parameters

Measuring Point (describe)	<u>Top of Casing</u>	Color	<u>No</u>
Sounded Well Depth (ft bmp)	<u>74.97</u>	Odor	<u>No</u>
Depth to Water (ft bmp)	<u>17.92</u>	Appearance	<u>Clear</u>
Depth to Packer (ft bmp)	<u>Not Applicable</u>		
Water Column in Well (ft)	<u>57.05</u>		
Casing Diameter	<u>4 inches</u>	pH (s.u.)	<u>7.69</u> <u>8.51</u> <u>7.74</u> <u>7.74</u>
Gallons in Well	<u>37.00</u>	Conductivity	
Gallons Purged		(mS/cm) or	<u>0.388</u> <u>0.405</u> <u>0.406</u> <u>0.406</u>
Prior to Sampling	<u>112.00</u>	(µmhos/cm) ¹⁾	
Pump Intake			
Setting (ft bmp)	<u>70.5</u>	Temperature (°C)	<u>10.30</u> <u>10.53</u> <u>10.54</u> <u>10.56</u>
Packer Pressure (psi)	<u>Not Applicable</u>	DO (mg/L)	<u>0.85</u> <u>0</u> <u>0</u> <u>0</u>
Pumping Rate (gpm)	<u>Not Applicable</u>	ORP (mV)	<u>-73</u> <u>-135</u> <u>-140</u> <u>-140</u>
Evacuation Method	<u>Monsoon pump</u>	Turbidity (NTU)	<u>591</u> <u>3.4</u> <u>2.5</u> <u>1.3</u>
Sampling Method	<u>Monsoon pump</u>	Time	<u>13:20</u> <u>13:45</u> <u>14:12</u> <u>14:39</u>
Purge Time	Begin <u>13:20</u> End <u>14:39</u>	DTW (ft bmp)	<u>19.40</u> <u>21.95</u> <u>21.95</u> <u>21.98</u>

Remarks: NA: Not available

Parameter	Container	No.	Preservative
<u>VOCs</u>	<u>40 mL VOA vile</u>	<u>3</u>	<u>HCL</u>
<u>SVOCs</u>	<u>120 mL Amber</u>	<u>2</u>	<u>None</u>
<u>Lead</u>	<u>250 mL Plastic</u>	<u>1</u>	<u>None</u>

PID Reading NA

Well Casing Volumes				
Gal./Ft.	1 ^{1/4"} = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1 ^{1/2"} = 0.09	2-1/2" = 0.26	3-1/2" = 0.50	6" = 1.47

1) Circle one unit type

Water Sampling Log

Project <u>Chevron 314004 Beacon (Former Texaco Research Center)</u>	Project No. <u>30043615</u>
Site Location <u>Beacon, NY</u>	Date <u>4/23/2020</u>
Well No. <u>OS-3</u>	Replicate No. <u>Not applicable</u>
	Weather <u>Cloudy</u>
Sampling Personnel <u>Kirk Vargas</u>	Sampling Time: Begin <u>12:53</u> End <u>12:58</u>

Purge Data
Field Parameters

Measuring Point (describe)	<u>Top of Casing</u>	Color	<u>No</u>
Sounded Well Depth (ft bmp)	<u>12.80</u>	Odor	<u>No</u>
Depth to Water (ft bmp)	<u>1.58</u>	Appearance	<u>--</u>
Depth to Packer (ft bmp)	<u>Not Applicable</u>		
Water Column in Well (ft)	<u>11.22</u>		
Casing Diameter	<u>4 inches</u>	pH (s.u.)	<u>7.64 7.97 7.96 7.92</u>
Gallons in Well	<u>7.29</u>	Conductivity	
Gallons Purged		(mS/cm) or	<u>0.174 0.173 0.173 0.170</u>
Prior to Sampling	<u>22.00</u>	(µmhos/cm) ¹⁾	
Pump Intake	<u>8.0</u>		
Setting (ft bmp)	<u>--</u>	Temperature (°C)	<u>9.08 9.18 9.19 9.16</u>
Packer Pressure (psi)	<u>Not Applicable</u>	DO (mg/L)	<u>18.24 12.18 11.95 11.70</u>
Pumping Rate (gpm)	<u>Not Applicable</u>	ORP (mV)	<u>90 56 52 53</u>
Evacuation Method	<u>Monsoon pump</u>	Turbidity (NTU)	<u>80.9 107 3.6 0</u>
Sampling Method	<u>Monsoon pump</u>	Time	<u>12:30 12:37 12:44 12:50</u>
Purge Time	Begin <u>12:30</u> End <u>12:50</u>	DTW (ft bmp)	<u>1.79 1.82 1.82 1.88</u>

Remarks: MS/MSD collected at this location

NA: Not available

Parameter	Container	No.	Preservative
<u>VOCs</u>	<u>40 mL VOA vile</u>	<u>3</u>	<u>HCL</u>
<u>SVOCs</u>	<u>120 mL Amber</u>	<u>2</u>	<u>None</u>
<u>Lead</u>	<u>250 mL Plastic</u>	<u>1</u>	<u>None</u>

PID Reading NA

Well Casing Volumes				
Gal./Ft.	1 ^{1/4"} = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1 ^{1/2"} = 0.09	2-1/2" = 0.26	3-1/2" = 0.50	6" = 1.47

1) Circle one unit type

Water Sampling Log

Project <u>Chevron 314004 Beacon (Former Texaco Research Center)</u>	Project No. <u>30043615</u>
Site Location <u>Beacon, NY</u>	Date <u>4/23/2020</u>
Well No. <u>OS-2</u>	Replicate No. <u>DUP-200423</u>
	Weather <u>Rainy, 40F</u>
Sampling Personnel <u>Balele Sandaogo</u>	Sampling Time: Begin <u>13:00</u> End <u>13:05</u>

Purge Data
Field Parameters

Measuring Point (describe)	<u>Top of Casing</u>	Color	<u>No</u>
Sounded Well Depth (ft bmp)	<u>15.18</u>	Odor	<u>No</u>
Depth to Water (ft bmp)	<u>5.72</u>	Appearance	<u>Clear</u>
Depth to Packer (ft bmp)	<u>Not Applicable</u>		
Water Column in Well (ft)	<u>9.46</u>		
Casing Diameter	<u>4 inches</u>	pH (s.u.)	<u>7.37</u>
Gallons in Well	<u>6.15</u>	Conductivity	<u>0.209</u>
Gallons Purged		(mS/cm) or	<u>0.211</u>
Prior to Sampling	<u>18.45</u>	(µmhos/cm) ¹⁾	<u>0.211</u>
Pump Intake			<u>0.211</u>
Setting (ft bmp)	<u>14</u>	Temperature (°C)	<u>8.74</u>
Packer Pressure (psi)	<u>Not Applicable</u>	DO (mg/L)	<u>5.33</u>
Pumping Rate (gpm)	<u>1</u>	ORP (mV)	<u>189</u>
Evacuation Method	<u>Monsoon pump</u>	Turbidity (NTU)	<u>1.7</u>
Sampling Method	<u>Monsoon pump</u>	Time	<u>12:36</u>
Purge Time	Begin <u>12:35</u> End <u>13:06</u>	DTW (ft bmp)	<u>5.84</u>

Remarks: Good recharge rate

Blind duplicate collected at this location

Parameter	Container	No.	Preservative
<u>VOCs</u>	<u>40 mL VOA vile</u>	<u>3</u>	<u>HCL</u>
<u>SVOCs</u>	<u>100 mL Amber</u>	<u>2</u>	<u>None</u>
<u>Lead</u>	<u>250 mL Plastic</u>	<u>1</u>	<u>None</u>

PID Reading

Well Casing Volumes				
Gal./Ft.	1 ^{1/4"} = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1 ^{1/2"} = 0.09	2-1/2" = 0.26	3-1/2" = 0.50	6" = 1.47

1) Circle one unit type

Water Sampling Log

Project	Chevron 314004 Beacon (Former Texaco Research Center)	Project No.	30043615
Site Location	Beacon, NY	Date	4/22/2020
Well No.	TF-5	Replicate No.	Not Applicable
		Weather	Cloudy
Sampling Personnel	Kirk Vargas	Sampling Time:	
		Begin	14:22
		End	14:27

Purge Data

Field Parameters

Measuring Point (describe)	Top of Casing	Color	No			
Sounded Well Depth (ft bmp)	10.0	Odor	No			
Depth to Water (ft bmp)	6.19	Appearance	--			
Depth to Packer (ft bmp)	Not Applicable					
Water Column in Well (ft)	3.81					
Casing Diameter	2 inches	pH (s.u.)	5.63	6.62	6.70	6.73
Gallons in Well	0.60	Conductivity				
Gallons Purged		(mS/cm) or	0.634	0.568	0.566	0.599
Prior to Sampling	1.82	(µmhos/cm) ¹⁾				
Pump Intake						
Setting (ft bmp)	8.0	Temperature (°C)	11.26	11.40	11.52	11.46
Packer Pressure (psi)	Not Applicable	DO (mg/L)	10.67	10.36	10.15	10.02
Pumping Rate (gpm)	Not Applicable	ORP (mV)	219	190	168	155
Evacuation Method	Monsoon pump	Turbidity (NTU)	26.1	3.1	2.4	2.2
Sampling Method	Monsoon pump	Time	14:03	14:06	14:13	14:19
Purge Time	Begin 14:03 End 14:19	DTW (ft bmp)	6.35	6.40	6.44	6.50

Remarks: NA: Not available

Parameter	Container	No.	Preservative
VOCs	40 mL VOA vile	3	HCL
SVOCs	250 mL Amber	2	None
Lead	250 mL Plastic	1	None

PID Reading NA

Well Casing Volumes				
Gal./Ft.	1 ^{1/4"} = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1 ^{1/2"} = 0.09	2-1/2" = 0.26	3-1/2" = 0.50	6" = 1.47

1) Circle one unit type

Water Sampling Log

Project <u>Chevron 314004 Beacon (Former Texaco Research Center)</u>	Project No. <u>30043615</u>
Site Location <u>Beacon, NY</u>	Date <u>4/22/2020</u>
Well No. <u>TF-23</u>	Replicate No. <u>Not applicable</u>
Weather <u>Cloudy, 45F</u>	
Sampling Personnel <u>Balele Sandaogo</u>	Sampling Time: Begin <u>14:15</u> End <u>14:20</u>

Purge Data
Field Parameters

Measuring Point (describe)	<u>Top of Casing</u>	Color	<u>No</u>
Sounded Well Depth (ft bmp)	<u>13</u>	Odor	<u>No</u>
Depth to Water (ft bmp)	<u>6.78</u>	Appearance	<u>Clear</u>
Depth to Packer (ft bmp)	<u>Not Applicable</u>		
Water Column in Well (ft)	<u>6.22</u>		
Casing Diameter	<u>2 inches</u>	pH (s.u.)	<u>7.34</u> <u>7.00</u> <u>6.78</u> <u>6.70</u>
Gallons in Well	<u>1.01</u>	Conductivity	
Gallons Purged		(mS/cm) or	<u>0.660</u> <u>0.665</u> <u>0.664</u> <u>0.662</u>
Prior to Sampling	<u>3.03</u>	(µmhos/cm) ¹⁾	
Pump Intake			
Setting (ft bmp)	<u>12</u>	Temperature (°C)	<u>9.34</u> <u>9.29</u> <u>9.31</u> <u>9.28</u>
Packer Pressure (psi)	<u>Not Applicable</u>	DO (mg/L)	<u>9.59</u> <u>9.12</u> <u>8.08</u> <u>7.54</u>
Pumping Rate (gpm)	<u>Not Applicable</u>	ORP (mV)	<u>117</u> <u>126</u> <u>133</u> <u>138</u>
Evacuation Method	<u>Monsoon pump</u>	Turbidity (NTU)	<u>246</u> <u>143</u> <u>65.3</u> <u>36.8</u>
Sampling Method	<u>Monsoon pump</u>	Time	<u>13:59</u> <u>14:03</u> <u>14:07</u> <u>14:11</u>
Purge Time	Begin <u>13:58</u> End <u>14:20</u>	DTW (ft bmp)	<u>6.98</u> <u>7.09</u> <u>7.16</u> <u>7.24</u>

Remarks: NA: Not available

Parameter	Container	No.	Preservative
VOCs	<u>40 mL VOA vile</u>	<u>3</u>	<u>HCL</u>
SVOCs	<u>100 mL Amber</u>	<u>2</u>	<u>None</u>
Lead	<u>250 mL Plastic</u>	<u>1</u>	<u>None</u>

PID Reading NA

Well Casing Volumes				
Gal./Ft.	1 ^{1/4"} = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	1 ^{1/2"} = 0.09	2-1/2" = 0.26	3-1/2" = 0.50	6" = 1.47

1) Circle one unit type

Project Number	30043615	Well ID	DB-8A	Date	10/12/2020	
Site Location	45 Old Glenham Road, Beacon, NY	Site ID	PMG00037	Weather (°F)	Cloudy	Sampled by Kirk Vargas
Measuring Point Description	Top of Casing	Screen Depth Interval (ft-bmp)	5 to 15	Casing Diameter (in.)	2	Well Casing Material PVC
Static Water Level (ft-bmp)	13.16	Total Depth (ft-bmp)	16.48	Water Column (ft)	3.32	Gallons in Well 0.54
Water Quality Meter Make/Model	YSI ProDSS	Purge Method	Volumetric	Sample Method	Grab	
Sample Time	14:45	Volumes Purged	0.46	Sample ID	DB-8A-W-201012	Evacuation Equipment Submersible
Purge Start	11:21	Gallons Purged	0.25	Duplicate ID	--	
Purge End	14:45	Total Purge Time (h:m)	3:24			

Time	Rate (mL/min)	Rate (gpm)	Depth to Water (ft)	Total Volume purged (ml)	Total Volume purged (gal)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
												Color	Odor
11:21	200	0.25	15.63	--	0	7.66	0.605	307	7.11	13.45	83.4	Clear	None

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: DB-8A-W-201012 Sample Time: 14:45 Sample Depth (ft-bmp): 15.48

Analytes and Methods: VOCs,SVOC,Lead

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

Project Number	30043615	Well ID	DC-2	Date	10/12/2020		
Site Location	45 Old Glenham Road, Beacon, NY	Site ID	PMG00037	Weather (°F)	Raining	Sampled by	Balele Sandaogo
Measuring Point Description	Top of Casing	Screen Depth Interval (ft-bmp)	9.1 to 19.1	Casing Diameter (in.)	2	Well Casing Material	PVC
Static Water Level (ft-bmp)	6.6	Total Depth (ft-bmp)	13.69	Water Column (ft)	7.09	Gallons in Well	1.15
Water Quality Meter Make/Model	YSI 6920	Purge Method	Volumetric	Sample Method	Grab		
Sample Time	11:40	Volumes Purged	3.04	Sample ID	DC-1-W-201012	Evacuation Equipment	Submersible
Purge Start	11:21	Gallons Purged	3.50	Duplicate ID	NA		
Purge End	11:36	Total Purge Time (h:m)	0:15				

Time	Rate (mL/min)	Rate (gpm)	Depth to Water (ft)	Total Volume purged (ml)	Total Volume purged (gal)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
												Color	Odor
11:22	200	0.25	7.86	--	0.25	7.70	0.366	29.3	1.67	14.40	-209.4	Clear	None
11:25	200	0.25	8.42	--	1.25	7.30	0.370	14.7	1.82	14.30	-223.5	Clear	None
11:30	200	0.25	9.14	--	2.4	7.18	0.364	11.6	2.17	14.20	-229.9	Clear	None
11:35	200	0.25	--	--	3.5	7.15	0.355	9.9	2.34	14.45	-232.4	Clear	None

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: DC-1-W-201012 Sample Time: 11:40 Sample Depth (ft-bmp): 12

Analytes and Methods: VOCs, SVOC, Lead

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

Project Number	30043615	Well ID	OR-2	Date	10/12/2020	
Site Location	45 Old Glenham Road, Beacon, NY	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 PVC
Static Water Level (ft-bmp)	9.51	Total Depth (ft-bmp)	39	Water Column (ft)	29.49	Gallons in Well 19.17
Water Quality Meter Make/Model	YSI Pro Plus	Purge Method	Volumetric	Sample Method	Grab	
Sample Time	13:42	Volumes Purged	3.03	Sample ID	OR-2-W-201012	Evacuation Equipment Peristaltic
Purge Start	12:59	Gallons Purged	58.00	Duplicate ID	--	
Purge End	13:39	Total Purge Time (h:m)	0:40			

Time	Rate (mL/min)	Rate (gpm)	Depth to Water (ft)	Total Volume purged (ml)	Total Volume purged (gal)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
												Color	Odor
12:59	200	1	9.97	--	0	7.66	0.545	11.9	6.99	11.72	-159.3	Clear	None
13:18	200	1	15.65	--	19.1	7.51	0.597	2.9	1.36	11.79	-148.9	Clear	None
13:28	200	2	16.73	--	38.3	7.48	0.605	2.7	0.30	11.77	-145.1	Clear	None
13:39	200	2	17.41	--	58	7.47	0.607	1.9	0.06	11.77	-143.6	Clear	None

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-201012 Sample Time: 13:42 Sample Depth (ft-bmp): 37
Analytes and Methods: VOCs, SVOC, Lead

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

Project Number	30043615	Well ID	OR-3	Date	10/13/2020		
Site Location	45 Old Glenham Road, Beacon, NY	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	PVC
Static Water Level (ft-bmp)	24.22	Total Depth (ft-bmp)	75.08	Water Column (ft)	50.86	Gallons in Well	33.06
Water Quality Meter Make/Model	YSI Pro Plus	Purge Method	Volumetric	Sample Method	Grab		
Sample Time	11:12	Volumes Purged	3.02	Sample ID	OR-3-W-201013	Evacuation Equipment	Submersible
Purge Start	10:01	Gallons Purged	100.00	Duplicate ID	--		
Purge End	11:08	Total Purge Time (h:m)	1:7				

Time	Rate (mL/min)	Rate (gpm)	Depth to Water (ft)	Total Volume purged (ml)	Total Volume purged (gal)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
												Color	Odor
10:02	200	1	25.00	--	0	7.59	0.532	80.4	0.24	10.47	-113.4	Clear	None
10:36	200	1	28.48	--	34	7.67	0.564	0.00	0.02	10.62	-172.1	Clear	None
10:52	200	1.5	28.57	--	66.2	7.67	0.546	0.00	0.02	10.62	-172	Clear	None
11:08	200	1.5	28.54	--	100	7.67	0.546	0.00	0.02	10.59	-172.1	Clear	None

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-3-W-201013 Sample Time: 11:12 Sample Depth (ft-bmp): 73
Analytes and Methods: VOCs, SVOC, Lead

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

Project Number	30043615	Well ID	OS-2	Date	10/12/2020		
Site Location	45 Old Glenham Road, Beacon, NY	Site ID	PMG00037	Weather (°F)	Raining	Sampled by	Balele Sandaogo
Measuring Point Description	Top of Casing	Screen Depth Interval (ft-bmp)	6 to 16	Casing Diameter (in.)	4	Well Casing Material	PVC
Static Water Level (ft-bmp)	7.97	Total Depth (ft-bmp)	15.42	Water Column (ft)	7.45	Gallons in Well	4.84
Water Quality Meter Make/Model	YSI 629	Purge Method	Volumetric	Sample Method	Grab		
Sample Time	13:20	Volumes Purged	3.10	Sample ID	OS-2-W-2010q12	Evacuation Equipment	Submersible
Purge Start	13:01	Gallons Purged	15.00	Duplicate ID	BD-W-201012		
Purge End	13:19	Total Purge Time (h:m)	0:18				

Time	Rate (mL/min)	Rate (gpm)	Depth to Water (ft)	Total Volume purged (ml)	Total Volume purged (gal)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
												Color	Odor
13:02	200	1	8.32	--	1	6.56	0.619	11.2	6.57	16.32	-157.9	Clear	None
13:06	200	1	8.35	--	5	6.79	0.620	11.1	0.62	16.36	-158.6	Clear	None
13:11	200	1	8.32	--	10	6.71	0.619	9.3	8.05	16.38	-156.2	Clear	None
13:18	200	1	8.32	--	15	6.67	0.619	9.2	7.54	16.39	-153.6	Clear	None

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: OS-2-W-2010q12 Sample Time: 13:20 Sample Depth (ft-bmp): 14
Analytes and Methods: VOCs,SVOC,Lead

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

Project Number	30043615	Well ID	OS-3	Date	10/13/2020		
Site Location	45 Old Glenham Road, Beacon, NY	Site ID	PMG00037	Weather (°F)	Raining	Sampled by	Balele Sandaogo
Measuring Point Description	Top of Casing	Screen Depth Interval (ft-bmp)	6 to 16	Casing Diameter (in.)	4	Well Casing Material	PVC
Static Water Level (ft-bmp)	7.8	Total Depth (ft-bmp)	13.13	Water Column (ft)	5.33	Gallons in Well	3.46
Water Quality Meter Make/Model	YSI 6920	Purge Method	Volumetric	Sample Method	Grab		
Sample Time	10:15	Volumes Purged	3.03	Sample ID	OS	Evacuation Equipment	Submersible
Purge Start	09:50	Gallons Purged	10.50	Duplicate ID	NA		
Purge End	10:12	Total Purge Time (h:m)	0:22				

Time	Rate (mL/min)	Rate (gpm)	Depth to Water (ft)	Total Volume purged (ml)	Total Volume purged (gal)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
												Color	Odor
09:51	200	0.5	8.20	--	0.5	7.85	0.390	10.5	1.78	13.77	-111.6	Clear	None
09:57	200	0.5	8.20	--	3.5	7.42	0.320	2.9	0.32	12.63	-93.6	Clear	None
10:04	200	0.5	8.20	--	7	7.48	0.374	2.4	1.71	13.09	-97.7	Clear	None
10:11	200	0.5	8.20	--	10.5	7.45	0.284	1.5	1.45	12.19	-89.5	Clear	None

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: OS Sample Time: 10:15 Sample Depth (ft-bmp): 12

Analytes and Methods: VOCs, SVOC, Lead

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

Project Number	30043615	Well ID	TF-23	Date	10/13/2020		
Site Location	45 Old Glenham Road, Beacon, NY	Site ID	PMG00037	Weather (°F)	Cloudy	Sampled by	Kirk Vargas
Measuring Point Description	Top of Casing	Screen Depth Interval (ft-bmp)	7 to 12	Casing Diameter (in.)	2	Well Casing Material	PVC
Static Water Level (ft-bmp)	9.79	Total Depth (ft-bmp)	13	Water Column (ft)	3.21	Gallons in Well	0.52
Water Quality Meter Make/Model	YSI Pro Plus	Purge Method	Volumetric	Sample Method	Grab		
Sample Time	12:45	Volumes Purged	3.27	Sample ID	TF-23-W-201013	Evacuation Equipment	Submersible
Purge Start	12:28	Gallons Purged	1.70	Duplicate ID	--		
Purge End	12:40	Total Purge Time (h:m)	0:12				

Time	Rate (mL/min)	Rate (gpm)	Depth to Water (ft)	Total Volume purged (ml)	Total Volume purged (gal)	pH (standard units)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Redox (mV)	Appearance	
												Color	Odor
12:32	200	0.25	10.19	--	0	7.14	1.10	534	0.25	13.50	60.9	Clear	None
12:36	200	0.25	10.55	--	0.55	6.84	1.08	333	0.26	14.03	70.3	Clear	None
12:39	200	0.25	10.97	--	1.2	6.76	1.09	23.5	0.28	13.98	70.5	Clear	None
12:40	200	0.25	11.00	--	1.7	6.75	1.09	176	0.29	13.87	77	Clear	None

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: TF-23-W-201013 Sample Time: 12:45 Sample Depth (ft-bmp): 11
Analytes and Methods: VOCs, SVOC, Lead

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

APPENDIX B

Laboratory Reports and Electronic Data Deliverables Submittals



ANALYTICAL REPORT

July 08, 2020

Revised Report

Arcadis - Chevron - NY

Sample Delivery Group: L1212188
Samples Received: 04/24/2020
Project Number: 30043615
Description: Beacon
Site: PMG00037
Report To: Ed Meyer
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.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



OR-3-W-200423 L1212188-01 GW

Collected by
Kirk Vargas

Collected date/time
04/23/20 14:42

Received date/time
04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1466669	1	04/29/20 07:06	04/30/20 13:07	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1467094	1	04/28/20 03:59	04/28/20 03:59	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1467496	1	04/29/20 23:28	04/30/20 07:35	AO	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

OS-3-W-200423 L1212188-02 GW

Collected by
Kirk Vargas

Collected date/time
04/23/20 12:53

Received date/time
04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1466669	1	04/29/20 07:06	04/30/20 12:54	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1467094	1	04/28/20 07:03	04/28/20 07:03	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1467496	1	04/29/20 23:28	04/30/20 08:37	AO	Mt. Juliet, TN

DB-17-W-200423 L1212188-03 GW

Collected by
Kirk Vargas

Collected date/time
04/23/20 10:05

Received date/time
04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1466669	1	04/29/20 07:06	04/30/20 13:10	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1467094	1	04/28/20 04:20	04/28/20 04:20	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1467496	1	04/29/20 23:28	04/30/20 08:57	AO	Mt. Juliet, TN

TF-5-W-200422 L1212188-04 GW

Collected by
Kirk Vargas

Collected date/time
04/22/20 14:22

Received date/time
04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1466669	1	04/29/20 07:06	04/30/20 13:14	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1467094	1	04/28/20 04:40	04/28/20 04:40	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1466958	1	04/28/20 05:54	04/28/20 20:14	JNJ	Mt. Juliet, TN

DB-8A-W-200423 L1212188-05 GW

Collected by
Kirk Vargas

Collected date/time
04/23/20 15:36

Received date/time
04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1466669	1	04/29/20 07:06	04/30/20 13:17	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1467094	1	04/28/20 05:01	04/28/20 05:01	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1467496	1	04/29/20 23:28	04/30/20 09:17	AO	Mt. Juliet, TN

OR-2-W-200423 L1212188-06 GW

Collected by
Kirk Vargas

Collected date/time
04/23/20 14:50

Received date/time
04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1466669	1	04/29/20 07:06	04/30/20 13:33	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1467094	1	04/28/20 05:21	04/28/20 05:21	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1467496	1	04/29/20 23:28	04/30/20 09:38	AO	Mt. Juliet, TN

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



OS-2-W-200423 L1212188-07 GW

Collected by
Kirk Vargas

Collected date/time
04/23/20 13:00

Received date/time
04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1466669	1	04/29/20 07:06	04/30/20 13:37	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1467094	1	04/28/20 05:42	04/28/20 05:42	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1467496	1	04/29/20 23:28	04/30/20 09:59	AO	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

DC-1-W-200423 L1212188-08 GW

Collected by
Kirk Vargas

Collected date/time
04/23/20 15:35

Received date/time
04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1466669	1	04/29/20 07:06	04/30/20 13:40	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1467094	1	04/28/20 06:02	04/28/20 06:02	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1467496	1	04/29/20 23:28	04/30/20 10:19	AO	Mt. Juliet, TN

DC-2-W-200423 L1212188-09 GW

Collected by
Kirk Vargas

Collected date/time
04/23/20 09:52

Received date/time
04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1466669	1	04/29/20 07:06	04/30/20 13:43	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1467094	1	04/28/20 06:22	04/28/20 06:22	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1467496	1	04/29/20 23:28	04/30/20 10:40	AO	Mt. Juliet, TN

TF-23-W-200422 L1212188-10 GW

Collected by
Kirk Vargas

Collected date/time
04/22/20 14:15

Received date/time
04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1466669	1	04/29/20 07:06	04/30/20 13:47	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1467094	1	04/28/20 06:43	04/28/20 06:43	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1466958	1	04/28/20 05:54	04/28/20 20:35	JNJ	Mt. Juliet, TN

EB-1-W-200422 L1212188-11 GW

Collected by
Kirk Vargas

Collected date/time
04/22/20 13:30

Received date/time
04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1466669	1	04/29/20 07:06	04/30/20 13:50	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1467094	1	04/27/20 22:53	04/27/20 22:53	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1466958	1	04/28/20 05:54	04/28/20 20:56	JNJ	Mt. Juliet, TN

EB-2-W-200423 L1212188-12 GW

Collected by
Kirk Vargas

Collected date/time
04/23/20 16:15

Received date/time
04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1466669	1	04/29/20 07:06	04/30/20 13:53	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1467094	1	04/27/20 23:13	04/27/20 23:13	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1467496	1	04/29/20 23:28	04/30/20 11:01	AO	Mt. Juliet, TN



BD-1-W-200423 L1212188-13 GW

Collected by
Kirk VargasCollected date/time
04/23/20 00:00Received date/time
04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1466669	1	04/29/20 07:06	04/30/20 13:57	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1467719	1	04/29/20 00:27	04/29/20 00:27	JCP	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG1467496	1	04/29/20 23:28	04/30/20 11:22	AO	Mt. Juliet, TN

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

TRIP BLANK-200423 L1212188-14 GW

Collected by
Kirk VargasCollected date/time
04/23/20 00:00Received date/time
04/24/20 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1467719	1	04/28/20 21:44	04/28/20 21:44	JCP	Mt. Juliet, TN



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. 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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Report Revision History

Level II Report - Version 1: 04/30/20 21:04
Level IV Report - Version 2: 05/01/20 17:20
Level II Report - Version 3: 06/22/20 11:10
Level IV Report - Version 4: 06/22/20 11:33
Level IV Report - Version 5: 07/07/20 20:21



Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.00249	0.00500	1	04/30/2020 13:07	WG1466669

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/28/2020 03:59	WG1467094
Acrolein	U	JO	0.00254	0.0500	1	04/28/2020 03:59	WG1467094
Acrylonitrile	U		0.000671	0.0100	1	04/28/2020 03:59	WG1467094
Benzene	U		0.0000941	0.00100	1	04/28/2020 03:59	WG1467094
Bromobenzene	U		0.000118	0.00100	1	04/28/2020 03:59	WG1467094
Bromodichloromethane	U		0.000136	0.00100	1	04/28/2020 03:59	WG1467094
Bromoform	U		0.000129	0.00100	1	04/28/2020 03:59	WG1467094
Bromomethane	U		0.000605	0.00500	1	04/28/2020 03:59	WG1467094
n-Butylbenzene	U		0.000157	0.00100	1	04/28/2020 03:59	WG1467094
sec-Butylbenzene	U		0.000125	0.00100	1	04/28/2020 03:59	WG1467094
tert-Butylbenzene	U		0.000127	0.00100	1	04/28/2020 03:59	WG1467094
Carbon tetrachloride	U		0.000128	0.00100	1	04/28/2020 03:59	WG1467094
Chlorobenzene	U		0.000116	0.00100	1	04/28/2020 03:59	WG1467094
Chlorodibromomethane	U		0.000140	0.00100	1	04/28/2020 03:59	WG1467094
Chloroethane	U		0.000192	0.00500	1	04/28/2020 03:59	WG1467094
Chloroform	U		0.000111	0.00500	1	04/28/2020 03:59	WG1467094
Chloromethane	U		0.000960	0.00250	1	04/28/2020 03:59	WG1467094
2-Chlorotoluene	U		0.000106	0.00100	1	04/28/2020 03:59	WG1467094
4-Chlorotoluene	U		0.000114	0.00100	1	04/28/2020 03:59	WG1467094
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	04/28/2020 03:59	WG1467094
1,2-Dibromoethane	U		0.000126	0.00100	1	04/28/2020 03:59	WG1467094
Dibromomethane	U		0.000122	0.00100	1	04/28/2020 03:59	WG1467094
1,2-Dichlorobenzene	U		0.000107	0.00100	1	04/28/2020 03:59	WG1467094
1,3-Dichlorobenzene	U		0.000110	0.00100	1	04/28/2020 03:59	WG1467094
1,4-Dichlorobenzene	U		0.000120	0.00100	1	04/28/2020 03:59	WG1467094
Dichlorodifluoromethane	U		0.000374	0.00500	1	04/28/2020 03:59	WG1467094
1,1-Dichloroethane	U		0.000100	0.00100	1	04/28/2020 03:59	WG1467094
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/28/2020 03:59	WG1467094
1,1-Dichloroethene	U		0.000188	0.00100	1	04/28/2020 03:59	WG1467094
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/28/2020 03:59	WG1467094
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/28/2020 03:59	WG1467094
1,2-Dichloropropane	U		0.000149	0.00100	1	04/28/2020 03:59	WG1467094
1,1-Dichloropropene	U		0.000142	0.00100	1	04/28/2020 03:59	WG1467094
1,3-Dichloropropane	U		0.000110	0.00100	1	04/28/2020 03:59	WG1467094
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/28/2020 03:59	WG1467094
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/28/2020 03:59	WG1467094
2,2-Dichloropropane	U		0.000161	0.00100	1	04/28/2020 03:59	WG1467094
Di-isopropyl ether	U		0.000105	0.00100	1	04/28/2020 03:59	WG1467094
Ethylbenzene	U		0.000137	0.00100	1	04/28/2020 03:59	WG1467094
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/28/2020 03:59	WG1467094
Isopropylbenzene	U		0.000105	0.00100	1	04/28/2020 03:59	WG1467094
p-Isopropyltoluene	U		0.000120	0.00100	1	04/28/2020 03:59	WG1467094
2-Butanone (MEK)	U		0.00119	0.0100	1	04/28/2020 03:59	WG1467094
Methylene Chloride	U		0.000430	0.00500	1	04/28/2020 03:59	WG1467094
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/28/2020 03:59	WG1467094
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/28/2020 03:59	WG1467094
Naphthalene	U		0.00100	0.00500	1	04/28/2020 03:59	WG1467094
n-Propylbenzene	U		0.0000993	0.00100	1	04/28/2020 03:59	WG1467094
Styrene	U		0.000118	0.00100	1	04/28/2020 03:59	WG1467094
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/28/2020 03:59	WG1467094

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 04/23/20 14:42

L1212188

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/28/2020 03:59	WG1467094
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	04/28/2020 03:59	WG1467094
Tetrachloroethene	U		0.000300	0.00100	1	04/28/2020 03:59	WG1467094
Toluene	U		0.000278	0.00100	1	04/28/2020 03:59	WG1467094
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	04/28/2020 03:59	WG1467094
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	04/28/2020 03:59	WG1467094
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/28/2020 03:59	WG1467094
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/28/2020 03:59	WG1467094
Trichloroethene	U		0.000190	0.00100	1	04/28/2020 03:59	WG1467094
Trichlorofluoromethane	U		0.000160	0.00500	1	04/28/2020 03:59	WG1467094
1,2,3-Trichloropropane	U		0.000237	0.00250	1	04/28/2020 03:59	WG1467094
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/28/2020 03:59	WG1467094
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 03:59	WG1467094
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 03:59	WG1467094
Vinyl chloride	U		0.000234	0.00100	1	04/28/2020 03:59	WG1467094
Xylenes, Total	U		0.000174	0.00300	1	04/28/2020 03:59	WG1467094
(S) Toluene-d8	107			80.0-120		04/28/2020 03:59	WG1467094
(S) 4-Bromofluorobenzene	105			77.0-126		04/28/2020 03:59	WG1467094
(S) 1,2-Dichloroethane-d4	105			70.0-130		04/28/2020 03:59	WG1467094

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

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/30/2020 07:35	WG1467496
Acenaphthylene	U		0.0000921	0.00100	1	04/30/2020 07:35	WG1467496
Anthracene	U		0.0000804	0.00100	1	04/30/2020 07:35	WG1467496
Benzidine	U		0.00374	0.0100	1	04/30/2020 07:35	WG1467496
Benzo(a)anthracene	U		0.000199	0.00100	1	04/30/2020 07:35	WG1467496
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/30/2020 07:35	WG1467496
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/30/2020 07:35	WG1467496
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/30/2020 07:35	WG1467496
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/30/2020 07:35	WG1467496
Bis(2-chloroethoxy)methane	U		0.000116	0.0100	1	04/30/2020 07:35	WG1467496
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/30/2020 07:35	WG1467496
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/30/2020 07:35	WG1467496
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/30/2020 07:35	WG1467496
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/30/2020 07:35	WG1467496
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/30/2020 07:35	WG1467496
Chrysene	U		0.000130	0.00100	1	04/30/2020 07:35	WG1467496
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/30/2020 07:35	WG1467496
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/30/2020 07:35	WG1467496
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/30/2020 07:35	WG1467496
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/30/2020 07:35	WG1467496
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/30/2020 07:35	WG1467496
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/30/2020 07:35	WG1467496
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/30/2020 07:35	WG1467496
Fluoranthene	U		0.000102	0.00100	1	04/30/2020 07:35	WG1467496
Fluorene	U		0.0000844	0.00100	1	04/30/2020 07:35	WG1467496
Hexachlorobenzene	U		0.0000755	0.00100	1	04/30/2020 07:35	WG1467496
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/30/2020 07:35	WG1467496
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/30/2020 07:35	WG1467496
Hexachloroethane	U		0.000127	0.0100	1	04/30/2020 07:35	WG1467496
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/30/2020 07:35	WG1467496
Isophorone	U		0.000143	0.0100	1	04/30/2020 07:35	WG1467496
Naphthalene	U		0.000159	0.00100	1	04/30/2020 07:35	WG1467496
Nitrobenzene	U		0.000297	0.0100	1	04/30/2020 07:35	WG1467496



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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodimethylamine	U	<u>JO</u>	0.000998	0.0500	1	04/30/2020 07:35	WG1467496
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/30/2020 07:35	WG1467496
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/30/2020 07:35	WG1467496
Phenanthrene	U		0.000112	0.00100	1	04/30/2020 07:35	WG1467496
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/30/2020 07:35	WG1467496
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/30/2020 07:35	WG1467496
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/30/2020 07:35	WG1467496
Diethyl phthalate	U		0.000287	0.00300	1	04/30/2020 07:35	WG1467496
Dimethyl phthalate	U		0.000260	0.00300	1	04/30/2020 07:35	WG1467496
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/30/2020 07:35	WG1467496
Pyrene	U		0.000107	0.00100	1	04/30/2020 07:35	WG1467496
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/30/2020 07:35	WG1467496
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/30/2020 07:35	WG1467496
2-Chlorophenol	U		0.000133	0.0100	1	04/30/2020 07:35	WG1467496
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/30/2020 07:35	WG1467496
2,4-Dimethylphenol	U		0.0000636	0.0100	1	04/30/2020 07:35	WG1467496
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/30/2020 07:35	WG1467496
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/30/2020 07:35	WG1467496
2-Nitrophenol	U		0.000117	0.0100	1	04/30/2020 07:35	WG1467496
4-Nitrophenol	U		0.000143	0.0100	1	04/30/2020 07:35	WG1467496
Pentachlorophenol	U		0.000313	0.0100	1	04/30/2020 07:35	WG1467496
Phenol	U		0.00433	0.0100	1	04/30/2020 07:35	WG1467496
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/30/2020 07:35	WG1467496
(S) 2-Fluorophenol	28.8			10.0-120		04/30/2020 07:35	WG1467496
(S) Phenol-d5	15.8			10.0-120		04/30/2020 07:35	WG1467496
(S) Nitrobenzene-d5	46.0			10.0-127		04/30/2020 07:35	WG1467496
(S) 2-Fluorobiphenyl	60.4			10.0-130		04/30/2020 07:35	WG1467496
(S) 2,4,6-Tribromophenol	65.4			10.0-155		04/30/2020 07:35	WG1467496
(S) p-Terphenyl-d14	62.2			10.0-128		04/30/2020 07:35	WG1467496

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.00249	0.00500	1	04/30/2020 12:54	WG1466669

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/28/2020 07:03	WG1467094
Acrolein	U	JO	0.00254	0.0500	1	04/28/2020 07:03	WG1467094
Acrylonitrile	U		0.000671	0.0100	1	04/28/2020 07:03	WG1467094
Benzene	U		0.0000941	0.00100	1	04/28/2020 07:03	WG1467094
Bromobenzene	U		0.000118	0.00100	1	04/28/2020 07:03	WG1467094
Bromodichloromethane	U		0.000136	0.00100	1	04/28/2020 07:03	WG1467094
Bromoform	U		0.000129	0.00100	1	04/28/2020 07:03	WG1467094
Bromomethane	U		0.000605	0.00500	1	04/28/2020 07:03	WG1467094
n-Butylbenzene	U		0.000157	0.00100	1	04/28/2020 07:03	WG1467094
sec-Butylbenzene	U		0.000125	0.00100	1	04/28/2020 07:03	WG1467094
tert-Butylbenzene	U		0.000127	0.00100	1	04/28/2020 07:03	WG1467094
Carbon tetrachloride	U		0.000128	0.00100	1	04/28/2020 07:03	WG1467094
Chlorobenzene	U		0.000116	0.00100	1	04/28/2020 07:03	WG1467094
Chlorodibromomethane	U		0.000140	0.00100	1	04/28/2020 07:03	WG1467094
Chloroethane	U		0.000192	0.00500	1	04/28/2020 07:03	WG1467094
Chloroform	U		0.000111	0.00500	1	04/28/2020 07:03	WG1467094
Chloromethane	U		0.000960	0.00250	1	04/28/2020 07:03	WG1467094
2-Chlorotoluene	U		0.000106	0.00100	1	04/28/2020 07:03	WG1467094
4-Chlorotoluene	U		0.000114	0.00100	1	04/28/2020 07:03	WG1467094
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	04/28/2020 07:03	WG1467094
1,2-Dibromoethane	U		0.000126	0.00100	1	04/28/2020 07:03	WG1467094
Dibromomethane	U		0.000122	0.00100	1	04/28/2020 07:03	WG1467094
1,2-Dichlorobenzene	U		0.000107	0.00100	1	04/28/2020 07:03	WG1467094
1,3-Dichlorobenzene	U		0.000110	0.00100	1	04/28/2020 07:03	WG1467094
1,4-Dichlorobenzene	U		0.000120	0.00100	1	04/28/2020 07:03	WG1467094
Dichlorodifluoromethane	U		0.000374	0.00500	1	04/28/2020 07:03	WG1467094
1,1-Dichloroethane	U		0.000100	0.00100	1	04/28/2020 07:03	WG1467094
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/28/2020 07:03	WG1467094
1,1-Dichloroethene	U		0.000188	0.00100	1	04/28/2020 07:03	WG1467094
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/28/2020 07:03	WG1467094
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/28/2020 07:03	WG1467094
1,2-Dichloropropane	U		0.000149	0.00100	1	04/28/2020 07:03	WG1467094
1,1-Dichloropropene	U		0.000142	0.00100	1	04/28/2020 07:03	WG1467094
1,3-Dichloropropane	U		0.000110	0.00100	1	04/28/2020 07:03	WG1467094
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/28/2020 07:03	WG1467094
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/28/2020 07:03	WG1467094
2,2-Dichloropropane	U		0.000161	0.00100	1	04/28/2020 07:03	WG1467094
Di-isopropyl ether	U		0.000105	0.00100	1	04/28/2020 07:03	WG1467094
Ethylbenzene	U		0.000137	0.00100	1	04/28/2020 07:03	WG1467094
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/28/2020 07:03	WG1467094
Isopropylbenzene	U		0.000105	0.00100	1	04/28/2020 07:03	WG1467094
p-Isopropyltoluene	U		0.000120	0.00100	1	04/28/2020 07:03	WG1467094
2-Butanone (MEK)	U		0.00119	0.0100	1	04/28/2020 07:03	WG1467094
Methylene Chloride	U		0.000430	0.00500	1	04/28/2020 07:03	WG1467094
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/28/2020 07:03	WG1467094
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/28/2020 07:03	WG1467094
Naphthalene	U		0.00100	0.00500	1	04/28/2020 07:03	WG1467094
n-Propylbenzene	U		0.0000993	0.00100	1	04/28/2020 07:03	WG1467094
Styrene	U		0.000118	0.00100	1	04/28/2020 07:03	WG1467094
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/28/2020 07:03	WG1467094



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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/28/2020 07:03	WG1467094
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	04/28/2020 07:03	WG1467094
Tetrachloroethene	U		0.000300	0.00100	1	04/28/2020 07:03	WG1467094
Toluene	U		0.000278	0.00100	1	04/28/2020 07:03	WG1467094
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	04/28/2020 07:03	WG1467094
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	04/28/2020 07:03	WG1467094
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/28/2020 07:03	WG1467094
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/28/2020 07:03	WG1467094
Trichloroethene	U		0.000190	0.00100	1	04/28/2020 07:03	WG1467094
Trichlorofluoromethane	U		0.000160	0.00500	1	04/28/2020 07:03	WG1467094
1,2,3-Trichloropropane	U		0.000237	0.00250	1	04/28/2020 07:03	WG1467094
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/28/2020 07:03	WG1467094
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 07:03	WG1467094
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 07:03	WG1467094
Vinyl chloride	U		0.000234	0.00100	1	04/28/2020 07:03	WG1467094
Xylenes, Total	U		0.000174	0.00300	1	04/28/2020 07:03	WG1467094
(S) Toluene-d8	102			80.0-120		04/28/2020 07:03	WG1467094
(S) 4-Bromofluorobenzene	103			77.0-126		04/28/2020 07:03	WG1467094
(S) 1,2-Dichloroethane-d4	106			70.0-130		04/28/2020 07:03	WG1467094

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/30/2020 08:37	WG1467496
Acenaphthylene	U		0.0000921	0.00100	1	04/30/2020 08:37	WG1467496
Anthracene	U		0.0000804	0.00100	1	04/30/2020 08:37	WG1467496
Benzidine	U		0.00374	0.0100	1	04/30/2020 08:37	WG1467496
Benzo(a)anthracene	U		0.000199	0.00100	1	04/30/2020 08:37	WG1467496
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/30/2020 08:37	WG1467496
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/30/2020 08:37	WG1467496
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/30/2020 08:37	WG1467496
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/30/2020 08:37	WG1467496
Bis(2-chloroethoxy)methane	U		0.000116	0.0100	1	04/30/2020 08:37	WG1467496
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/30/2020 08:37	WG1467496
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/30/2020 08:37	WG1467496
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/30/2020 08:37	WG1467496
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/30/2020 08:37	WG1467496
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/30/2020 08:37	WG1467496
Chrysene	U		0.000130	0.00100	1	04/30/2020 08:37	WG1467496
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/30/2020 08:37	WG1467496
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/30/2020 08:37	WG1467496
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/30/2020 08:37	WG1467496
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/30/2020 08:37	WG1467496
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/30/2020 08:37	WG1467496
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/30/2020 08:37	WG1467496
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/30/2020 08:37	WG1467496
Fluoranthene	U		0.000102	0.00100	1	04/30/2020 08:37	WG1467496
Fluorene	U		0.0000844	0.00100	1	04/30/2020 08:37	WG1467496
Hexachlorobenzene	U		0.0000755	0.00100	1	04/30/2020 08:37	WG1467496
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/30/2020 08:37	WG1467496
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/30/2020 08:37	WG1467496
Hexachloroethane	U		0.000127	0.0100	1	04/30/2020 08:37	WG1467496
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/30/2020 08:37	WG1467496
Isophorone	U		0.000143	0.0100	1	04/30/2020 08:37	WG1467496
Naphthalene	U		0.000159	0.00100	1	04/30/2020 08:37	WG1467496
Nitrobenzene	U		0.000297	0.0100	1	04/30/2020 08:37	WG1467496



Collected date/time: 04/23/20 12:53

L1212188

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodimethylamine	U	<u>JO</u>	0.000998	0.0500	1	04/30/2020 08:37	WG1467496
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/30/2020 08:37	WG1467496
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/30/2020 08:37	WG1467496
Phenanthrene	U		0.000112	0.00100	1	04/30/2020 08:37	WG1467496
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/30/2020 08:37	WG1467496
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/30/2020 08:37	WG1467496
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/30/2020 08:37	WG1467496
Diethyl phthalate	U		0.000287	0.00300	1	04/30/2020 08:37	WG1467496
Dimethyl phthalate	U		0.000260	0.00300	1	04/30/2020 08:37	WG1467496
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/30/2020 08:37	WG1467496
Pyrene	U		0.000107	0.00100	1	04/30/2020 08:37	WG1467496
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/30/2020 08:37	WG1467496
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/30/2020 08:37	WG1467496
2-Chlorophenol	U		0.000133	0.0100	1	04/30/2020 08:37	WG1467496
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/30/2020 08:37	WG1467496
2,4-Dimethylphenol	U		0.0000636	0.0100	1	04/30/2020 08:37	WG1467496
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/30/2020 08:37	WG1467496
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/30/2020 08:37	WG1467496
2-Nitrophenol	U		0.000117	0.0100	1	04/30/2020 08:37	WG1467496
4-Nitrophenol	U		0.000143	0.0100	1	04/30/2020 08:37	WG1467496
Pentachlorophenol	U		0.000313	0.0100	1	04/30/2020 08:37	WG1467496
Phenol	U		0.00433	0.0100	1	04/30/2020 08:37	WG1467496
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/30/2020 08:37	WG1467496
(S) 2-Fluorophenol	34.1			10.0-120		04/30/2020 08:37	WG1467496
(S) Phenol-d5	19.7			10.0-120		04/30/2020 08:37	WG1467496
(S) Nitrobenzene-d5	53.5			10.0-127		04/30/2020 08:37	WG1467496
(S) 2-Fluorobiphenyl	70.0			10.0-130		04/30/2020 08:37	WG1467496
(S) 2,4,6-Tribromophenol	78.6			10.0-155		04/30/2020 08:37	WG1467496
(S) p-Terphenyl-d14	76.6			10.0-128		04/30/2020 08:37	WG1467496

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.00249	0.00500	1	04/30/2020 13:10	WG1466669

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/28/2020 04:20	WG1467094
Acrolein	U	JO	0.00254	0.0500	1	04/28/2020 04:20	WG1467094
Acrylonitrile	U		0.000671	0.0100	1	04/28/2020 04:20	WG1467094
Benzene	U		0.0000941	0.00100	1	04/28/2020 04:20	WG1467094
Bromobenzene	U		0.000118	0.00100	1	04/28/2020 04:20	WG1467094
Bromodichloromethane	U		0.000136	0.00100	1	04/28/2020 04:20	WG1467094
Bromoform	U		0.000129	0.00100	1	04/28/2020 04:20	WG1467094
Bromomethane	U		0.000605	0.00500	1	04/28/2020 04:20	WG1467094
n-Butylbenzene	U		0.000157	0.00100	1	04/28/2020 04:20	WG1467094
sec-Butylbenzene	U		0.000125	0.00100	1	04/28/2020 04:20	WG1467094
tert-Butylbenzene	U		0.000127	0.00100	1	04/28/2020 04:20	WG1467094
Carbon tetrachloride	U		0.000128	0.00100	1	04/28/2020 04:20	WG1467094
Chlorobenzene	U		0.000116	0.00100	1	04/28/2020 04:20	WG1467094
Chlorodibromomethane	U		0.000140	0.00100	1	04/28/2020 04:20	WG1467094
Chloroethane	U		0.000192	0.00500	1	04/28/2020 04:20	WG1467094
Chloroform	U		0.000111	0.00500	1	04/28/2020 04:20	WG1467094
Chloromethane	U		0.000960	0.00250	1	04/28/2020 04:20	WG1467094
2-Chlorotoluene	U		0.000106	0.00100	1	04/28/2020 04:20	WG1467094
4-Chlorotoluene	U		0.000114	0.00100	1	04/28/2020 04:20	WG1467094
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	04/28/2020 04:20	WG1467094
1,2-Dibromoethane	U		0.000126	0.00100	1	04/28/2020 04:20	WG1467094
Dibromomethane	U		0.000122	0.00100	1	04/28/2020 04:20	WG1467094
1,2-Dichlorobenzene	U		0.000107	0.00100	1	04/28/2020 04:20	WG1467094
1,3-Dichlorobenzene	U		0.000110	0.00100	1	04/28/2020 04:20	WG1467094
1,4-Dichlorobenzene	U		0.000120	0.00100	1	04/28/2020 04:20	WG1467094
Dichlorodifluoromethane	U		0.000374	0.00500	1	04/28/2020 04:20	WG1467094
1,1-Dichloroethane	U		0.000100	0.00100	1	04/28/2020 04:20	WG1467094
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/28/2020 04:20	WG1467094
1,1-Dichloroethene	U		0.000188	0.00100	1	04/28/2020 04:20	WG1467094
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/28/2020 04:20	WG1467094
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/28/2020 04:20	WG1467094
1,2-Dichloropropane	U		0.000149	0.00100	1	04/28/2020 04:20	WG1467094
1,1-Dichloropropene	U		0.000142	0.00100	1	04/28/2020 04:20	WG1467094
1,3-Dichloropropane	U		0.000110	0.00100	1	04/28/2020 04:20	WG1467094
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/28/2020 04:20	WG1467094
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/28/2020 04:20	WG1467094
2,2-Dichloropropane	U		0.000161	0.00100	1	04/28/2020 04:20	WG1467094
Di-isopropyl ether	U		0.000105	0.00100	1	04/28/2020 04:20	WG1467094
Ethylbenzene	U		0.000137	0.00100	1	04/28/2020 04:20	WG1467094
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/28/2020 04:20	WG1467094
Isopropylbenzene	U		0.000105	0.00100	1	04/28/2020 04:20	WG1467094
p-Isopropyltoluene	U		0.000120	0.00100	1	04/28/2020 04:20	WG1467094
2-Butanone (MEK)	U		0.00119	0.0100	1	04/28/2020 04:20	WG1467094
Methylene Chloride	U		0.000430	0.00500	1	04/28/2020 04:20	WG1467094
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/28/2020 04:20	WG1467094
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/28/2020 04:20	WG1467094
Naphthalene	U		0.00100	0.00500	1	04/28/2020 04:20	WG1467094
n-Propylbenzene	U		0.0000993	0.00100	1	04/28/2020 04:20	WG1467094
Styrene	U		0.000118	0.00100	1	04/28/2020 04:20	WG1467094
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/28/2020 04:20	WG1467094

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Collected date/time: 04/23/20 10:05

L1212188

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/28/2020 04:20	WG1467094
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	04/28/2020 04:20	WG1467094
Tetrachloroethene	0.000349	U	0.000300	0.00100	1	04/28/2020 04:20	WG1467094
Toluene	U		0.000278	0.00100	1	04/28/2020 04:20	WG1467094
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	04/28/2020 04:20	WG1467094
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	04/28/2020 04:20	WG1467094
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/28/2020 04:20	WG1467094
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/28/2020 04:20	WG1467094
Trichloroethene	U		0.000190	0.00100	1	04/28/2020 04:20	WG1467094
Trichlorofluoromethane	U		0.000160	0.00500	1	04/28/2020 04:20	WG1467094
1,2,3-Trichloropropane	U		0.000237	0.00250	1	04/28/2020 04:20	WG1467094
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/28/2020 04:20	WG1467094
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 04:20	WG1467094
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 04:20	WG1467094
Vinyl chloride	U		0.000234	0.00100	1	04/28/2020 04:20	WG1467094
Xylenes, Total	U		0.000174	0.00300	1	04/28/2020 04:20	WG1467094
(S) Toluene-d8	106			80.0-120		04/28/2020 04:20	WG1467094
(S) 4-Bromofluorobenzene	101			77.0-126		04/28/2020 04:20	WG1467094
(S) 1,2-Dichloroethane-d4	103			70.0-130		04/28/2020 04:20	WG1467094

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/30/2020 08:57	WG1467496
Acenaphthylene	U		0.0000921	0.00100	1	04/30/2020 08:57	WG1467496
Anthracene	U		0.0000804	0.00100	1	04/30/2020 08:57	WG1467496
Benzidine	U		0.00374	0.0100	1	04/30/2020 08:57	WG1467496
Benzo(a)anthracene	U		0.000199	0.00100	1	04/30/2020 08:57	WG1467496
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/30/2020 08:57	WG1467496
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/30/2020 08:57	WG1467496
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/30/2020 08:57	WG1467496
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/30/2020 08:57	WG1467496
Bis(2-chloroethoxy)methane	U		0.000116	0.0100	1	04/30/2020 08:57	WG1467496
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/30/2020 08:57	WG1467496
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/30/2020 08:57	WG1467496
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/30/2020 08:57	WG1467496
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/30/2020 08:57	WG1467496
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/30/2020 08:57	WG1467496
Chrysene	U		0.000130	0.00100	1	04/30/2020 08:57	WG1467496
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/30/2020 08:57	WG1467496
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/30/2020 08:57	WG1467496
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/30/2020 08:57	WG1467496
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/30/2020 08:57	WG1467496
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/30/2020 08:57	WG1467496
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/30/2020 08:57	WG1467496
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/30/2020 08:57	WG1467496
Fluoranthene	U		0.000102	0.00100	1	04/30/2020 08:57	WG1467496
Fluorene	U		0.0000844	0.00100	1	04/30/2020 08:57	WG1467496
Hexachlorobenzene	U		0.0000755	0.00100	1	04/30/2020 08:57	WG1467496
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/30/2020 08:57	WG1467496
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/30/2020 08:57	WG1467496
Hexachloroethane	U		0.000127	0.0100	1	04/30/2020 08:57	WG1467496
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/30/2020 08:57	WG1467496
Isophorone	U		0.000143	0.0100	1	04/30/2020 08:57	WG1467496
Naphthalene	U		0.000159	0.00100	1	04/30/2020 08:57	WG1467496
Nitrobenzene	U		0.000297	0.0100	1	04/30/2020 08:57	WG1467496



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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodimethylamine	U	<u>JO</u>	0.000998	0.0500	1	04/30/2020 08:57	WG1467496
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/30/2020 08:57	WG1467496
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/30/2020 08:57	WG1467496
Phenanthrene	U		0.000112	0.00100	1	04/30/2020 08:57	WG1467496
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/30/2020 08:57	WG1467496
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/30/2020 08:57	WG1467496
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/30/2020 08:57	WG1467496
Diethyl phthalate	U		0.000287	0.00300	1	04/30/2020 08:57	WG1467496
Dimethyl phthalate	U		0.000260	0.00300	1	04/30/2020 08:57	WG1467496
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/30/2020 08:57	WG1467496
Pyrene	U		0.000107	0.00100	1	04/30/2020 08:57	WG1467496
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/30/2020 08:57	WG1467496
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/30/2020 08:57	WG1467496
2-Chlorophenol	U		0.000133	0.0100	1	04/30/2020 08:57	WG1467496
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/30/2020 08:57	WG1467496
2,4-Dimethylphenol	U		0.0000636	0.0100	1	04/30/2020 08:57	WG1467496
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/30/2020 08:57	WG1467496
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/30/2020 08:57	WG1467496
2-Nitrophenol	U		0.000117	0.0100	1	04/30/2020 08:57	WG1467496
4-Nitrophenol	U		0.000143	0.0100	1	04/30/2020 08:57	WG1467496
Pentachlorophenol	U		0.000313	0.0100	1	04/30/2020 08:57	WG1467496
Phenol	U		0.00433	0.0100	1	04/30/2020 08:57	WG1467496
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/30/2020 08:57	WG1467496
(S) 2-Fluorophenol	31.7			10.0-120		04/30/2020 08:57	WG1467496
(S) Phenol-d5	18.0			10.0-120		04/30/2020 08:57	WG1467496
(S) Nitrobenzene-d5	46.5			10.0-127		04/30/2020 08:57	WG1467496
(S) 2-Fluorobiphenyl	60.6			10.0-130		04/30/2020 08:57	WG1467496
(S) 2,4,6-Tribromophenol	65.0			10.0-155		04/30/2020 08:57	WG1467496
(S) p-Terphenyl-d14	65.3			10.0-128		04/30/2020 08:57	WG1467496

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.00249	0.00500	1	04/30/2020 13:14	WG1466669

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/28/2020 04:40	WG1467094
Acrolein	U	JO	0.00254	0.0500	1	04/28/2020 04:40	WG1467094
Acrylonitrile	U		0.000671	0.0100	1	04/28/2020 04:40	WG1467094
Benzene	U		0.0000941	0.00100	1	04/28/2020 04:40	WG1467094
Bromobenzene	U		0.000118	0.00100	1	04/28/2020 04:40	WG1467094
Bromodichloromethane	U		0.000136	0.00100	1	04/28/2020 04:40	WG1467094
Bromoform	U		0.000129	0.00100	1	04/28/2020 04:40	WG1467094
Bromomethane	U		0.000605	0.00500	1	04/28/2020 04:40	WG1467094
n-Butylbenzene	U		0.000157	0.00100	1	04/28/2020 04:40	WG1467094
sec-Butylbenzene	U		0.000125	0.00100	1	04/28/2020 04:40	WG1467094
tert-Butylbenzene	U		0.000127	0.00100	1	04/28/2020 04:40	WG1467094
Carbon tetrachloride	U		0.000128	0.00100	1	04/28/2020 04:40	WG1467094
Chlorobenzene	U		0.000116	0.00100	1	04/28/2020 04:40	WG1467094
Chlorodibromomethane	U		0.000140	0.00100	1	04/28/2020 04:40	WG1467094
Chloroethane	U		0.000192	0.00500	1	04/28/2020 04:40	WG1467094
Chloroform	U		0.000111	0.00500	1	04/28/2020 04:40	WG1467094
Chloromethane	U		0.000960	0.00250	1	04/28/2020 04:40	WG1467094
2-Chlorotoluene	U		0.000106	0.00100	1	04/28/2020 04:40	WG1467094
4-Chlorotoluene	U		0.000114	0.00100	1	04/28/2020 04:40	WG1467094
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	04/28/2020 04:40	WG1467094
1,2-Dibromoethane	U		0.000126	0.00100	1	04/28/2020 04:40	WG1467094
Dibromomethane	U		0.000122	0.00100	1	04/28/2020 04:40	WG1467094
1,2-Dichlorobenzene	U		0.000107	0.00100	1	04/28/2020 04:40	WG1467094
1,3-Dichlorobenzene	U		0.000110	0.00100	1	04/28/2020 04:40	WG1467094
1,4-Dichlorobenzene	U		0.000120	0.00100	1	04/28/2020 04:40	WG1467094
Dichlorodifluoromethane	U		0.000374	0.00500	1	04/28/2020 04:40	WG1467094
1,1-Dichloroethane	U		0.000100	0.00100	1	04/28/2020 04:40	WG1467094
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/28/2020 04:40	WG1467094
1,1-Dichloroethene	U		0.000188	0.00100	1	04/28/2020 04:40	WG1467094
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/28/2020 04:40	WG1467094
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/28/2020 04:40	WG1467094
1,2-Dichloropropane	U		0.000149	0.00100	1	04/28/2020 04:40	WG1467094
1,1-Dichloropropene	U		0.000142	0.00100	1	04/28/2020 04:40	WG1467094
1,3-Dichloropropane	U		0.000110	0.00100	1	04/28/2020 04:40	WG1467094
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/28/2020 04:40	WG1467094
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/28/2020 04:40	WG1467094
2,2-Dichloropropane	U		0.000161	0.00100	1	04/28/2020 04:40	WG1467094
Di-isopropyl ether	U		0.000105	0.00100	1	04/28/2020 04:40	WG1467094
Ethylbenzene	U		0.000137	0.00100	1	04/28/2020 04:40	WG1467094
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/28/2020 04:40	WG1467094
Isopropylbenzene	U		0.000105	0.00100	1	04/28/2020 04:40	WG1467094
p-Isopropyltoluene	U		0.000120	0.00100	1	04/28/2020 04:40	WG1467094
2-Butanone (MEK)	U		0.00119	0.0100	1	04/28/2020 04:40	WG1467094
Methylene Chloride	U		0.000430	0.00500	1	04/28/2020 04:40	WG1467094
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/28/2020 04:40	WG1467094
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/28/2020 04:40	WG1467094
Naphthalene	U		0.00100	0.00500	1	04/28/2020 04:40	WG1467094
n-Propylbenzene	U		0.0000993	0.00100	1	04/28/2020 04:40	WG1467094
Styrene	U		0.000118	0.00100	1	04/28/2020 04:40	WG1467094
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/28/2020 04:40	WG1467094



Collected date/time: 04/22/20 14:22

L1212188

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/28/2020 04:40	WG1467094
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	04/28/2020 04:40	WG1467094
Tetrachloroethene	U		0.000300	0.00100	1	04/28/2020 04:40	WG1467094
Toluene	U		0.000278	0.00100	1	04/28/2020 04:40	WG1467094
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	04/28/2020 04:40	WG1467094
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	04/28/2020 04:40	WG1467094
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/28/2020 04:40	WG1467094
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/28/2020 04:40	WG1467094
Trichloroethene	U		0.000190	0.00100	1	04/28/2020 04:40	WG1467094
Trichlorofluoromethane	U		0.000160	0.00500	1	04/28/2020 04:40	WG1467094
1,2,3-Trichloropropane	U		0.000237	0.00250	1	04/28/2020 04:40	WG1467094
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/28/2020 04:40	WG1467094
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 04:40	WG1467094
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 04:40	WG1467094
Vinyl chloride	U		0.000234	0.00100	1	04/28/2020 04:40	WG1467094
Xylenes, Total	U		0.000174	0.00300	1	04/28/2020 04:40	WG1467094
(S) Toluene-d8	103			80.0-120		04/28/2020 04:40	WG1467094
(S) 4-Bromofluorobenzene	101			77.0-126		04/28/2020 04:40	WG1467094
(S) 1,2-Dichloroethane-d4	109			70.0-130		04/28/2020 04:40	WG1467094

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/28/2020 20:14	WG1466958
Acenaphthylene	U		0.0000921	0.00100	1	04/28/2020 20:14	WG1466958
Anthracene	U		0.0000804	0.00100	1	04/28/2020 20:14	WG1466958
Benzidine	U		0.00374	0.0100	1	04/28/2020 20:14	WG1466958
Benzo(a)anthracene	U		0.000199	0.00100	1	04/28/2020 20:14	WG1466958
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/28/2020 20:14	WG1466958
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/28/2020 20:14	WG1466958
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/28/2020 20:14	WG1466958
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/28/2020 20:14	WG1466958
Bis(2-chloroethoxy)methane	U		0.000116	0.0100	1	04/28/2020 20:14	WG1466958
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/28/2020 20:14	WG1466958
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/28/2020 20:14	WG1466958
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/28/2020 20:14	WG1466958
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/28/2020 20:14	WG1466958
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/28/2020 20:14	WG1466958
Chrysene	U		0.000130	0.00100	1	04/28/2020 20:14	WG1466958
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/28/2020 20:14	WG1466958
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/28/2020 20:14	WG1466958
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/28/2020 20:14	WG1466958
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/28/2020 20:14	WG1466958
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/28/2020 20:14	WG1466958
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/28/2020 20:14	WG1466958
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/28/2020 20:14	WG1466958
Fluoranthene	U		0.000102	0.00100	1	04/28/2020 20:14	WG1466958
Fluorene	U		0.0000844	0.00100	1	04/28/2020 20:14	WG1466958
Hexachlorobenzene	U		0.0000755	0.00100	1	04/28/2020 20:14	WG1466958
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/28/2020 20:14	WG1466958
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/28/2020 20:14	WG1466958
Hexachloroethane	U		0.000127	0.0100	1	04/28/2020 20:14	WG1466958
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/28/2020 20:14	WG1466958
Isophorone	U		0.000143	0.0100	1	04/28/2020 20:14	WG1466958
Naphthalene	U		0.000159	0.00100	1	04/28/2020 20:14	WG1466958
Nitrobenzene	U		0.000297	0.0100	1	04/28/2020 20:14	WG1466958



Collected date/time: 04/22/20 14:22

L1212188

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodimethylamine	U	<u>JO</u>	0.000998	0.0100	1	04/28/2020 20:14	WG1466958
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/28/2020 20:14	WG1466958
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/28/2020 20:14	WG1466958
Phenanthrene	U		0.000112	0.00100	1	04/28/2020 20:14	WG1466958
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/28/2020 20:14	WG1466958
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/28/2020 20:14	WG1466958
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/28/2020 20:14	WG1466958
Diethyl phthalate	U		0.000287	0.00300	1	04/28/2020 20:14	WG1466958
Dimethyl phthalate	U		0.000260	0.00300	1	04/28/2020 20:14	WG1466958
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/28/2020 20:14	WG1466958
Pyrene	U		0.000107	0.00100	1	04/28/2020 20:14	WG1466958
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/28/2020 20:14	WG1466958
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/28/2020 20:14	WG1466958
2-Chlorophenol	U		0.000133	0.0100	1	04/28/2020 20:14	WG1466958
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/28/2020 20:14	WG1466958
2,4-Dimethylphenol	U		0.0000636	0.0100	1	04/28/2020 20:14	WG1466958
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/28/2020 20:14	WG1466958
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/28/2020 20:14	WG1466958
2-Nitrophenol	U		0.000117	0.0100	1	04/28/2020 20:14	WG1466958
4-Nitrophenol	U		0.000143	0.0100	1	04/28/2020 20:14	WG1466958
Pentachlorophenol	U		0.000313	0.0100	1	04/28/2020 20:14	WG1466958
Phenol	U		0.00433	0.0100	1	04/28/2020 20:14	WG1466958
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/28/2020 20:14	WG1466958
(S) 2-Fluorophenol	28.2			10.0-120		04/28/2020 20:14	WG1466958
(S) Phenol-d5	18.1			10.0-120		04/28/2020 20:14	WG1466958
(S) Nitrobenzene-d5	40.2			10.0-127		04/28/2020 20:14	WG1466958
(S) 2-Fluorobiphenyl	54.8			10.0-130		04/28/2020 20:14	WG1466958
(S) 2,4,6-Tribromophenol	59.4			10.0-155		04/28/2020 20:14	WG1466958
(S) p-Terphenyl-d14	58.5			10.0-128		04/28/2020 20:14	WG1466958

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.00249	0.00500	1	04/30/2020 13:17	WG1466669

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/28/2020 05:01	WG1467094
Acrolein	U	JO	0.00254	0.0500	1	04/28/2020 05:01	WG1467094
Acrylonitrile	U		0.000671	0.0100	1	04/28/2020 05:01	WG1467094
Benzene	U		0.0000941	0.00100	1	04/28/2020 05:01	WG1467094
Bromobenzene	U		0.000118	0.00100	1	04/28/2020 05:01	WG1467094
Bromodichloromethane	U		0.000136	0.00100	1	04/28/2020 05:01	WG1467094
Bromoform	U		0.000129	0.00100	1	04/28/2020 05:01	WG1467094
Bromomethane	U		0.000605	0.00500	1	04/28/2020 05:01	WG1467094
n-Butylbenzene	U		0.000157	0.00100	1	04/28/2020 05:01	WG1467094
sec-Butylbenzene	U		0.000125	0.00100	1	04/28/2020 05:01	WG1467094
tert-Butylbenzene	U		0.000127	0.00100	1	04/28/2020 05:01	WG1467094
Carbon tetrachloride	U		0.000128	0.00100	1	04/28/2020 05:01	WG1467094
Chlorobenzene	U		0.000116	0.00100	1	04/28/2020 05:01	WG1467094
Chlorodibromomethane	U		0.000140	0.00100	1	04/28/2020 05:01	WG1467094
Chloroethane	U		0.000192	0.00500	1	04/28/2020 05:01	WG1467094
Chloroform	0.000211	BJ	0.000111	0.00500	1	04/28/2020 05:01	WG1467094
Chloromethane	U		0.000960	0.00250	1	04/28/2020 05:01	WG1467094
2-Chlorotoluene	U		0.000106	0.00100	1	04/28/2020 05:01	WG1467094
4-Chlorotoluene	U		0.000114	0.00100	1	04/28/2020 05:01	WG1467094
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	04/28/2020 05:01	WG1467094
1,2-Dibromoethane	U		0.000126	0.00100	1	04/28/2020 05:01	WG1467094
Dibromomethane	U		0.000122	0.00100	1	04/28/2020 05:01	WG1467094
1,2-Dichlorobenzene	U		0.000107	0.00100	1	04/28/2020 05:01	WG1467094
1,3-Dichlorobenzene	U		0.000110	0.00100	1	04/28/2020 05:01	WG1467094
1,4-Dichlorobenzene	U		0.000120	0.00100	1	04/28/2020 05:01	WG1467094
Dichlorodifluoromethane	U		0.000374	0.00500	1	04/28/2020 05:01	WG1467094
1,1-Dichloroethane	U		0.000100	0.00100	1	04/28/2020 05:01	WG1467094
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/28/2020 05:01	WG1467094
1,1-Dichloroethene	U		0.000188	0.00100	1	04/28/2020 05:01	WG1467094
cis-1,2-Dichloroethene	0.000153	J	0.000126	0.00100	1	04/28/2020 05:01	WG1467094
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/28/2020 05:01	WG1467094
1,2-Dichloropropane	U		0.000149	0.00100	1	04/28/2020 05:01	WG1467094
1,1-Dichloropropene	U		0.000142	0.00100	1	04/28/2020 05:01	WG1467094
1,3-Dichloropropane	U		0.000110	0.00100	1	04/28/2020 05:01	WG1467094
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/28/2020 05:01	WG1467094
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/28/2020 05:01	WG1467094
2,2-Dichloropropane	U		0.000161	0.00100	1	04/28/2020 05:01	WG1467094
Di-isopropyl ether	U		0.000105	0.00100	1	04/28/2020 05:01	WG1467094
Ethylbenzene	U		0.000137	0.00100	1	04/28/2020 05:01	WG1467094
Hexachloro-1,3-butadiene	0.00248		0.000337	0.00100	1	04/28/2020 05:01	WG1467094
Isopropylbenzene	U		0.000105	0.00100	1	04/28/2020 05:01	WG1467094
p-Isopropyltoluene	U		0.000120	0.00100	1	04/28/2020 05:01	WG1467094
2-Butanone (MEK)	U		0.00119	0.0100	1	04/28/2020 05:01	WG1467094
Methylene Chloride	U		0.000430	0.00500	1	04/28/2020 05:01	WG1467094
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/28/2020 05:01	WG1467094
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/28/2020 05:01	WG1467094
Naphthalene	U		0.00100	0.00500	1	04/28/2020 05:01	WG1467094
n-Propylbenzene	U		0.0000993	0.00100	1	04/28/2020 05:01	WG1467094
Styrene	U		0.000118	0.00100	1	04/28/2020 05:01	WG1467094
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/28/2020 05:01	WG1467094

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 8260C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/28/2020 05:01	WG1467094
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	04/28/2020 05:01	WG1467094
Tetrachloroethene	U		0.000300	0.00100	1	04/28/2020 05:01	WG1467094
Toluene	U		0.000278	0.00100	1	04/28/2020 05:01	WG1467094
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	04/28/2020 05:01	WG1467094
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	04/28/2020 05:01	WG1467094
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/28/2020 05:01	WG1467094
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/28/2020 05:01	WG1467094
Trichloroethene	0.00215		0.000190	0.00100	1	04/28/2020 05:01	WG1467094
Trichlorofluoromethane	U		0.000160	0.00500	1	04/28/2020 05:01	WG1467094
1,2,3-Trichloropropane	U		0.000237	0.00250	1	04/28/2020 05:01	WG1467094
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/28/2020 05:01	WG1467094
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 05:01	WG1467094
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 05:01	WG1467094
Vinyl chloride	U		0.000234	0.00100	1	04/28/2020 05:01	WG1467094
Xylenes, Total	U		0.000174	0.00300	1	04/28/2020 05:01	WG1467094
(S) Toluene-d8	107			80.0-120		04/28/2020 05:01	WG1467094
(S) 4-Bromofluorobenzene	98.9			77.0-126		04/28/2020 05:01	WG1467094
(S) 1,2-Dichloroethane-d4	106			70.0-130		04/28/2020 05:01	WG1467094

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/30/2020 09:17	WG1467496
Acenaphthylene	U		0.0000921	0.00100	1	04/30/2020 09:17	WG1467496
Anthracene	U		0.0000804	0.00100	1	04/30/2020 09:17	WG1467496
Benzidine	U		0.00374	0.0100	1	04/30/2020 09:17	WG1467496
Benzo(a)anthracene	U		0.000199	0.00100	1	04/30/2020 09:17	WG1467496
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/30/2020 09:17	WG1467496
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/30/2020 09:17	WG1467496
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/30/2020 09:17	WG1467496
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/30/2020 09:17	WG1467496
Bis(2-chloroethoxy)methane	U		0.000116	0.0100	1	04/30/2020 09:17	WG1467496
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/30/2020 09:17	WG1467496
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/30/2020 09:17	WG1467496
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/30/2020 09:17	WG1467496
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/30/2020 09:17	WG1467496
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/30/2020 09:17	WG1467496
Chrysene	U		0.000130	0.00100	1	04/30/2020 09:17	WG1467496
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/30/2020 09:17	WG1467496
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/30/2020 09:17	WG1467496
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/30/2020 09:17	WG1467496
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/30/2020 09:17	WG1467496
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/30/2020 09:17	WG1467496
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/30/2020 09:17	WG1467496
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/30/2020 09:17	WG1467496
Fluoranthene	U		0.000102	0.00100	1	04/30/2020 09:17	WG1467496
Fluorene	U		0.0000844	0.00100	1	04/30/2020 09:17	WG1467496
Hexachlorobenzene	U		0.0000755	0.00100	1	04/30/2020 09:17	WG1467496
Hexachloro-1,3-butadiene	0.00120	J	0.0000968	0.0100	1	04/30/2020 09:17	WG1467496
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/30/2020 09:17	WG1467496
Hexachloroethane	U		0.000127	0.0100	1	04/30/2020 09:17	WG1467496
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/30/2020 09:17	WG1467496
Isophorone	U		0.000143	0.0100	1	04/30/2020 09:17	WG1467496
Naphthalene	U		0.000159	0.00100	1	04/30/2020 09:17	WG1467496
Nitrobenzene	U		0.000297	0.0100	1	04/30/2020 09:17	WG1467496



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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodimethylamine	U	<u>JO</u>	0.000998	0.0500	1	04/30/2020 09:17	WG1467496
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/30/2020 09:17	WG1467496
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/30/2020 09:17	WG1467496
Phenanthrene	U		0.000112	0.00100	1	04/30/2020 09:17	WG1467496
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/30/2020 09:17	WG1467496
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/30/2020 09:17	WG1467496
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/30/2020 09:17	WG1467496
Diethyl phthalate	U		0.000287	0.00300	1	04/30/2020 09:17	WG1467496
Dimethyl phthalate	U		0.000260	0.00300	1	04/30/2020 09:17	WG1467496
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/30/2020 09:17	WG1467496
Pyrene	U		0.000107	0.00100	1	04/30/2020 09:17	WG1467496
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/30/2020 09:17	WG1467496
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/30/2020 09:17	WG1467496
2-Chlorophenol	U		0.000133	0.0100	1	04/30/2020 09:17	WG1467496
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/30/2020 09:17	WG1467496
2,4-Dimethylphenol	U		0.0000636	0.0100	1	04/30/2020 09:17	WG1467496
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/30/2020 09:17	WG1467496
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/30/2020 09:17	WG1467496
2-Nitrophenol	U		0.000117	0.0100	1	04/30/2020 09:17	WG1467496
4-Nitrophenol	U		0.000143	0.0100	1	04/30/2020 09:17	WG1467496
Pentachlorophenol	U		0.000313	0.0100	1	04/30/2020 09:17	WG1467496
Phenol	U		0.00433	0.0100	1	04/30/2020 09:17	WG1467496
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/30/2020 09:17	WG1467496
(S) 2-Fluorophenol	20.1			10.0-120		04/30/2020 09:17	WG1467496
(S) Phenol-d5	11.1			10.0-120		04/30/2020 09:17	WG1467496
(S) Nitrobenzene-d5	37.0			10.0-127		04/30/2020 09:17	WG1467496
(S) 2-Fluorobiphenyl	48.2			10.0-130		04/30/2020 09:17	WG1467496
(S) 2,4,6-Tribromophenol	55.5			10.0-155		04/30/2020 09:17	WG1467496
(S) p-Terphenyl-d14	65.2			10.0-128		04/30/2020 09:17	WG1467496

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.00249	0.00500	1	04/30/2020 13:33	WG1466669

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/28/2020 05:21	WG1467094
Acrolein	U	JO	0.00254	0.0500	1	04/28/2020 05:21	WG1467094
Acrylonitrile	U		0.000671	0.0100	1	04/28/2020 05:21	WG1467094
Benzene	U		0.0000941	0.00100	1	04/28/2020 05:21	WG1467094
Bromobenzene	U		0.000118	0.00100	1	04/28/2020 05:21	WG1467094
Bromodichloromethane	U		0.000136	0.00100	1	04/28/2020 05:21	WG1467094
Bromoform	U		0.000129	0.00100	1	04/28/2020 05:21	WG1467094
Bromomethane	U		0.000605	0.00500	1	04/28/2020 05:21	WG1467094
n-Butylbenzene	U		0.000157	0.00100	1	04/28/2020 05:21	WG1467094
sec-Butylbenzene	U		0.000125	0.00100	1	04/28/2020 05:21	WG1467094
tert-Butylbenzene	U		0.000127	0.00100	1	04/28/2020 05:21	WG1467094
Carbon tetrachloride	U		0.000128	0.00100	1	04/28/2020 05:21	WG1467094
Chlorobenzene	U		0.000116	0.00100	1	04/28/2020 05:21	WG1467094
Chlorodibromomethane	U		0.000140	0.00100	1	04/28/2020 05:21	WG1467094
Chloroethane	U		0.000192	0.00500	1	04/28/2020 05:21	WG1467094
Chloroform	U		0.000111	0.00500	1	04/28/2020 05:21	WG1467094
Chloromethane	U		0.000960	0.00250	1	04/28/2020 05:21	WG1467094
2-Chlorotoluene	U		0.000106	0.00100	1	04/28/2020 05:21	WG1467094
4-Chlorotoluene	U		0.000114	0.00100	1	04/28/2020 05:21	WG1467094
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	04/28/2020 05:21	WG1467094
1,2-Dibromoethane	U		0.000126	0.00100	1	04/28/2020 05:21	WG1467094
Dibromomethane	U		0.000122	0.00100	1	04/28/2020 05:21	WG1467094
1,2-Dichlorobenzene	U		0.000107	0.00100	1	04/28/2020 05:21	WG1467094
1,3-Dichlorobenzene	U		0.000110	0.00100	1	04/28/2020 05:21	WG1467094
1,4-Dichlorobenzene	U		0.000120	0.00100	1	04/28/2020 05:21	WG1467094
Dichlorodifluoromethane	U		0.000374	0.00500	1	04/28/2020 05:21	WG1467094
1,1-Dichloroethane	0.000764	J	0.000100	0.00100	1	04/28/2020 05:21	WG1467094
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/28/2020 05:21	WG1467094
1,1-Dichloroethene	U		0.000188	0.00100	1	04/28/2020 05:21	WG1467094
cis-1,2-Dichloroethene	0.000217	J	0.000126	0.00100	1	04/28/2020 05:21	WG1467094
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/28/2020 05:21	WG1467094
1,2-Dichloropropane	0.000847	J	0.000149	0.00100	1	04/28/2020 05:21	WG1467094
1,1-Dichloropropene	U		0.000142	0.00100	1	04/28/2020 05:21	WG1467094
1,3-Dichloropropane	U		0.000110	0.00100	1	04/28/2020 05:21	WG1467094
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/28/2020 05:21	WG1467094
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/28/2020 05:21	WG1467094
2,2-Dichloropropane	U		0.000161	0.00100	1	04/28/2020 05:21	WG1467094
Di-isopropyl ether	U		0.000105	0.00100	1	04/28/2020 05:21	WG1467094
Ethylbenzene	U		0.000137	0.00100	1	04/28/2020 05:21	WG1467094
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/28/2020 05:21	WG1467094
Isopropylbenzene	U		0.000105	0.00100	1	04/28/2020 05:21	WG1467094
p-Isopropyltoluene	U		0.000120	0.00100	1	04/28/2020 05:21	WG1467094
2-Butanone (MEK)	U		0.00119	0.0100	1	04/28/2020 05:21	WG1467094
Methylene Chloride	U		0.000430	0.00500	1	04/28/2020 05:21	WG1467094
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/28/2020 05:21	WG1467094
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/28/2020 05:21	WG1467094
Naphthalene	U		0.00100	0.00500	1	04/28/2020 05:21	WG1467094
n-Propylbenzene	U		0.0000993	0.00100	1	04/28/2020 05:21	WG1467094
Styrene	U		0.000118	0.00100	1	04/28/2020 05:21	WG1467094
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/28/2020 05:21	WG1467094

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 8260C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/28/2020 05:21	WG1467094
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	04/28/2020 05:21	WG1467094
Tetrachloroethene	U		0.000300	0.00100	1	04/28/2020 05:21	WG1467094
Toluene	U		0.000278	0.00100	1	04/28/2020 05:21	WG1467094
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	04/28/2020 05:21	WG1467094
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	04/28/2020 05:21	WG1467094
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/28/2020 05:21	WG1467094
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/28/2020 05:21	WG1467094
Trichloroethene	0.000321	U	0.000190	0.00100	1	04/28/2020 05:21	WG1467094
Trichlorofluoromethane	U		0.000160	0.00500	1	04/28/2020 05:21	WG1467094
1,2,3-Trichloropropane	U		0.000237	0.00250	1	04/28/2020 05:21	WG1467094
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/28/2020 05:21	WG1467094
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 05:21	WG1467094
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 05:21	WG1467094
Vinyl chloride	U		0.000234	0.00100	1	04/28/2020 05:21	WG1467094
Xylenes, Total	U		0.000174	0.00300	1	04/28/2020 05:21	WG1467094
(S) Toluene-d8	105			80.0-120		04/28/2020 05:21	WG1467094
(S) 4-Bromofluorobenzene	99.4			77.0-126		04/28/2020 05:21	WG1467094
(S) 1,2-Dichloroethane-d4	105			70.0-130		04/28/2020 05:21	WG1467094

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/30/2020 09:38	WG1467496
Acenaphthylene	U		0.0000921	0.00100	1	04/30/2020 09:38	WG1467496
Anthracene	U		0.0000804	0.00100	1	04/30/2020 09:38	WG1467496
Benzidine	U		0.00374	0.0100	1	04/30/2020 09:38	WG1467496
Benzo(a)anthracene	U		0.000199	0.00100	1	04/30/2020 09:38	WG1467496
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/30/2020 09:38	WG1467496
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/30/2020 09:38	WG1467496
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/30/2020 09:38	WG1467496
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/30/2020 09:38	WG1467496
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/30/2020 09:38	WG1467496
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/30/2020 09:38	WG1467496
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/30/2020 09:38	WG1467496
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/30/2020 09:38	WG1467496
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/30/2020 09:38	WG1467496
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/30/2020 09:38	WG1467496
Chrysene	U		0.000130	0.00100	1	04/30/2020 09:38	WG1467496
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/30/2020 09:38	WG1467496
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/30/2020 09:38	WG1467496
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/30/2020 09:38	WG1467496
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/30/2020 09:38	WG1467496
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/30/2020 09:38	WG1467496
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/30/2020 09:38	WG1467496
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/30/2020 09:38	WG1467496
Fluoranthene	U		0.000102	0.00100	1	04/30/2020 09:38	WG1467496
Fluorene	U		0.0000844	0.00100	1	04/30/2020 09:38	WG1467496
Hexachlorobenzene	U		0.0000755	0.00100	1	04/30/2020 09:38	WG1467496
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/30/2020 09:38	WG1467496
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/30/2020 09:38	WG1467496
Hexachloroethane	U		0.000127	0.0100	1	04/30/2020 09:38	WG1467496
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/30/2020 09:38	WG1467496
Isophorone	U		0.000143	0.0100	1	04/30/2020 09:38	WG1467496
Naphthalene	U		0.000159	0.00100	1	04/30/2020 09:38	WG1467496
Nitrobenzene	U		0.000297	0.0100	1	04/30/2020 09:38	WG1467496



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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodimethylamine	U	<u>JO</u>	0.000998	0.0500	1	04/30/2020 09:38	WG1467496
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/30/2020 09:38	WG1467496
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/30/2020 09:38	WG1467496
Phenanthrene	U		0.000112	0.00100	1	04/30/2020 09:38	WG1467496
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/30/2020 09:38	WG1467496
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/30/2020 09:38	WG1467496
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/30/2020 09:38	WG1467496
Diethyl phthalate	U		0.000287	0.00300	1	04/30/2020 09:38	WG1467496
Dimethyl phthalate	U		0.000260	0.00300	1	04/30/2020 09:38	WG1467496
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/30/2020 09:38	WG1467496
Pyrene	U		0.000107	0.00100	1	04/30/2020 09:38	WG1467496
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/30/2020 09:38	WG1467496
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/30/2020 09:38	WG1467496
2-Chlorophenol	U		0.000133	0.0100	1	04/30/2020 09:38	WG1467496
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/30/2020 09:38	WG1467496
2,4-Dimethylphenol	U		0.0000636	0.0100	1	04/30/2020 09:38	WG1467496
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/30/2020 09:38	WG1467496
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/30/2020 09:38	WG1467496
2-Nitrophenol	U		0.000117	0.0100	1	04/30/2020 09:38	WG1467496
4-Nitrophenol	U		0.000143	0.0100	1	04/30/2020 09:38	WG1467496
Pentachlorophenol	U		0.000313	0.0100	1	04/30/2020 09:38	WG1467496
Phenol	U		0.00433	0.0100	1	04/30/2020 09:38	WG1467496
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/30/2020 09:38	WG1467496
(S) 2-Fluorophenol	31.2			10.0-120		04/30/2020 09:38	WG1467496
(S) Phenol-d5	17.6			10.0-120		04/30/2020 09:38	WG1467496
(S) Nitrobenzene-d5	49.2			10.0-127		04/30/2020 09:38	WG1467496
(S) 2-Fluorobiphenyl	65.9			10.0-130		04/30/2020 09:38	WG1467496
(S) 2,4,6-Tribromophenol	70.3			10.0-155		04/30/2020 09:38	WG1467496
(S) p-Terphenyl-d14	70.9			10.0-128		04/30/2020 09:38	WG1467496

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.00249	0.00500	1	04/30/2020 13:37	WG1466669

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/28/2020 05:42	WG1467094
Acrolein	U	JO	0.00254	0.0500	1	04/28/2020 05:42	WG1467094
Acrylonitrile	U		0.000671	0.0100	1	04/28/2020 05:42	WG1467094
Benzene	U		0.0000941	0.00100	1	04/28/2020 05:42	WG1467094
Bromobenzene	U		0.000118	0.00100	1	04/28/2020 05:42	WG1467094
Bromodichloromethane	U		0.000136	0.00100	1	04/28/2020 05:42	WG1467094
Bromoform	U		0.000129	0.00100	1	04/28/2020 05:42	WG1467094
Bromomethane	U		0.000605	0.00500	1	04/28/2020 05:42	WG1467094
n-Butylbenzene	U		0.000157	0.00100	1	04/28/2020 05:42	WG1467094
sec-Butylbenzene	U		0.000125	0.00100	1	04/28/2020 05:42	WG1467094
tert-Butylbenzene	U		0.000127	0.00100	1	04/28/2020 05:42	WG1467094
Carbon tetrachloride	U		0.000128	0.00100	1	04/28/2020 05:42	WG1467094
Chlorobenzene	U		0.000116	0.00100	1	04/28/2020 05:42	WG1467094
Chlorodibromomethane	U		0.000140	0.00100	1	04/28/2020 05:42	WG1467094
Chloroethane	U		0.000192	0.00500	1	04/28/2020 05:42	WG1467094
Chloroform	U		0.000111	0.00500	1	04/28/2020 05:42	WG1467094
Chloromethane	U		0.000960	0.00250	1	04/28/2020 05:42	WG1467094
2-Chlorotoluene	U		0.000106	0.00100	1	04/28/2020 05:42	WG1467094
4-Chlorotoluene	U		0.000114	0.00100	1	04/28/2020 05:42	WG1467094
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	04/28/2020 05:42	WG1467094
1,2-Dibromoethane	U		0.000126	0.00100	1	04/28/2020 05:42	WG1467094
Dibromomethane	U		0.000122	0.00100	1	04/28/2020 05:42	WG1467094
1,2-Dichlorobenzene	U		0.000107	0.00100	1	04/28/2020 05:42	WG1467094
1,3-Dichlorobenzene	U		0.000110	0.00100	1	04/28/2020 05:42	WG1467094
1,4-Dichlorobenzene	U		0.000120	0.00100	1	04/28/2020 05:42	WG1467094
Dichlorodifluoromethane	U		0.000374	0.00500	1	04/28/2020 05:42	WG1467094
1,1-Dichloroethane	U		0.000100	0.00100	1	04/28/2020 05:42	WG1467094
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/28/2020 05:42	WG1467094
1,1-Dichloroethene	U		0.000188	0.00100	1	04/28/2020 05:42	WG1467094
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/28/2020 05:42	WG1467094
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/28/2020 05:42	WG1467094
1,2-Dichloropropane	U		0.000149	0.00100	1	04/28/2020 05:42	WG1467094
1,1-Dichloropropene	U		0.000142	0.00100	1	04/28/2020 05:42	WG1467094
1,3-Dichloropropane	U		0.000110	0.00100	1	04/28/2020 05:42	WG1467094
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/28/2020 05:42	WG1467094
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/28/2020 05:42	WG1467094
2,2-Dichloropropane	U		0.000161	0.00100	1	04/28/2020 05:42	WG1467094
Di-isopropyl ether	U		0.000105	0.00100	1	04/28/2020 05:42	WG1467094
Ethylbenzene	U		0.000137	0.00100	1	04/28/2020 05:42	WG1467094
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/28/2020 05:42	WG1467094
Isopropylbenzene	U		0.000105	0.00100	1	04/28/2020 05:42	WG1467094
p-Isopropyltoluene	U		0.000120	0.00100	1	04/28/2020 05:42	WG1467094
2-Butanone (MEK)	U		0.00119	0.0100	1	04/28/2020 05:42	WG1467094
Methylene Chloride	U		0.000430	0.00500	1	04/28/2020 05:42	WG1467094
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/28/2020 05:42	WG1467094
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/28/2020 05:42	WG1467094
Naphthalene	U		0.00100	0.00500	1	04/28/2020 05:42	WG1467094
n-Propylbenzene	U		0.0000993	0.00100	1	04/28/2020 05:42	WG1467094
Styrene	U		0.000118	0.00100	1	04/28/2020 05:42	WG1467094
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/28/2020 05:42	WG1467094

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 8260C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/28/2020 05:42	WG1467094
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	04/28/2020 05:42	WG1467094
Tetrachloroethene	U		0.000300	0.00100	1	04/28/2020 05:42	WG1467094
Toluene	U		0.000278	0.00100	1	04/28/2020 05:42	WG1467094
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	04/28/2020 05:42	WG1467094
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	04/28/2020 05:42	WG1467094
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/28/2020 05:42	WG1467094
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/28/2020 05:42	WG1467094
Trichloroethene	U		0.000190	0.00100	1	04/28/2020 05:42	WG1467094
Trichlorofluoromethane	U		0.000160	0.00500	1	04/28/2020 05:42	WG1467094
1,2,3-Trichloropropane	U		0.000237	0.00250	1	04/28/2020 05:42	WG1467094
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/28/2020 05:42	WG1467094
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 05:42	WG1467094
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 05:42	WG1467094
Vinyl chloride	U		0.000234	0.00100	1	04/28/2020 05:42	WG1467094
Xylenes, Total	U		0.000174	0.00300	1	04/28/2020 05:42	WG1467094
(S) Toluene-d8	105			80.0-120		04/28/2020 05:42	WG1467094
(S) 4-Bromofluorobenzene	103			77.0-126		04/28/2020 05:42	WG1467094
(S) 1,2-Dichloroethane-d4	106			70.0-130		04/28/2020 05:42	WG1467094

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/30/2020 09:59	WG1467496
Acenaphthylene	U		0.0000921	0.00100	1	04/30/2020 09:59	WG1467496
Anthracene	U		0.0000804	0.00100	1	04/30/2020 09:59	WG1467496
Benzidine	U		0.00374	0.0100	1	04/30/2020 09:59	WG1467496
Benzo(a)anthracene	U		0.000199	0.00100	1	04/30/2020 09:59	WG1467496
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/30/2020 09:59	WG1467496
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/30/2020 09:59	WG1467496
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/30/2020 09:59	WG1467496
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/30/2020 09:59	WG1467496
Bis(2-chloroethoxy)methane	U		0.000116	0.0100	1	04/30/2020 09:59	WG1467496
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/30/2020 09:59	WG1467496
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/30/2020 09:59	WG1467496
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/30/2020 09:59	WG1467496
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/30/2020 09:59	WG1467496
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/30/2020 09:59	WG1467496
Chrysene	U		0.000130	0.00100	1	04/30/2020 09:59	WG1467496
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/30/2020 09:59	WG1467496
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/30/2020 09:59	WG1467496
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/30/2020 09:59	WG1467496
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/30/2020 09:59	WG1467496
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/30/2020 09:59	WG1467496
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/30/2020 09:59	WG1467496
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/30/2020 09:59	WG1467496
Fluoranthene	U		0.000102	0.00100	1	04/30/2020 09:59	WG1467496
Fluorene	U		0.0000844	0.00100	1	04/30/2020 09:59	WG1467496
Hexachlorobenzene	U		0.0000755	0.00100	1	04/30/2020 09:59	WG1467496
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/30/2020 09:59	WG1467496
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/30/2020 09:59	WG1467496
Hexachloroethane	U		0.000127	0.0100	1	04/30/2020 09:59	WG1467496
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/30/2020 09:59	WG1467496
Isophorone	U		0.000143	0.0100	1	04/30/2020 09:59	WG1467496
Naphthalene	U		0.000159	0.00100	1	04/30/2020 09:59	WG1467496
Nitrobenzene	U		0.000297	0.0100	1	04/30/2020 09:59	WG1467496



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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodimethylamine	U	<u>JO</u>	0.000998	0.0500	1	04/30/2020 09:59	WG1467496
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/30/2020 09:59	WG1467496
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/30/2020 09:59	WG1467496
Phenanthrene	U		0.000112	0.00100	1	04/30/2020 09:59	WG1467496
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/30/2020 09:59	WG1467496
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/30/2020 09:59	WG1467496
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/30/2020 09:59	WG1467496
Diethyl phthalate	U		0.000287	0.00300	1	04/30/2020 09:59	WG1467496
Dimethyl phthalate	U		0.000260	0.00300	1	04/30/2020 09:59	WG1467496
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/30/2020 09:59	WG1467496
Pyrene	U		0.000107	0.00100	1	04/30/2020 09:59	WG1467496
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/30/2020 09:59	WG1467496
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/30/2020 09:59	WG1467496
2-Chlorophenol	U		0.000133	0.0100	1	04/30/2020 09:59	WG1467496
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/30/2020 09:59	WG1467496
2,4-Dimethylphenol	U		0.0000636	0.0100	1	04/30/2020 09:59	WG1467496
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/30/2020 09:59	WG1467496
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/30/2020 09:59	WG1467496
2-Nitrophenol	U		0.000117	0.0100	1	04/30/2020 09:59	WG1467496
4-Nitrophenol	U		0.000143	0.0100	1	04/30/2020 09:59	WG1467496
Pentachlorophenol	U		0.000313	0.0100	1	04/30/2020 09:59	WG1467496
Phenol	U		0.00433	0.0100	1	04/30/2020 09:59	WG1467496
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/30/2020 09:59	WG1467496
(S) 2-Fluorophenol	33.4			10.0-120		04/30/2020 09:59	WG1467496
(S) Phenol-d5	18.5			10.0-120		04/30/2020 09:59	WG1467496
(S) Nitrobenzene-d5	52.9			10.0-127		04/30/2020 09:59	WG1467496
(S) 2-Fluorobiphenyl	69.8			10.0-130		04/30/2020 09:59	WG1467496
(S) 2,4,6-Tribromophenol	75.5			10.0-155		04/30/2020 09:59	WG1467496
(S) p-Terphenyl-d14	73.4			10.0-128		04/30/2020 09:59	WG1467496

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.00249	0.00500	1	04/30/2020 13:40	WG1466669

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/28/2020 06:02	WG1467094
Acrolein	U	JO	0.00254	0.0500	1	04/28/2020 06:02	WG1467094
Acrylonitrile	U		0.000671	0.0100	1	04/28/2020 06:02	WG1467094
Benzene	U		0.0000941	0.00100	1	04/28/2020 06:02	WG1467094
Bromobenzene	U		0.000118	0.00100	1	04/28/2020 06:02	WG1467094
Bromodichloromethane	U		0.000136	0.00100	1	04/28/2020 06:02	WG1467094
Bromoform	U		0.000129	0.00100	1	04/28/2020 06:02	WG1467094
Bromomethane	U		0.000605	0.00500	1	04/28/2020 06:02	WG1467094
n-Butylbenzene	U		0.000157	0.00100	1	04/28/2020 06:02	WG1467094
sec-Butylbenzene	U		0.000125	0.00100	1	04/28/2020 06:02	WG1467094
tert-Butylbenzene	U		0.000127	0.00100	1	04/28/2020 06:02	WG1467094
Carbon tetrachloride	U		0.000128	0.00100	1	04/28/2020 06:02	WG1467094
Chlorobenzene	U		0.000116	0.00100	1	04/28/2020 06:02	WG1467094
Chlorodibromomethane	U		0.000140	0.00100	1	04/28/2020 06:02	WG1467094
Chloroethane	U		0.000192	0.00500	1	04/28/2020 06:02	WG1467094
Chloroform	0.000155	B J	0.000111	0.00500	1	04/28/2020 06:02	WG1467094
Chloromethane	U		0.000960	0.00250	1	04/28/2020 06:02	WG1467094
2-Chlorotoluene	U		0.000106	0.00100	1	04/28/2020 06:02	WG1467094
4-Chlorotoluene	U		0.000114	0.00100	1	04/28/2020 06:02	WG1467094
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	04/28/2020 06:02	WG1467094
1,2-Dibromoethane	U		0.000126	0.00100	1	04/28/2020 06:02	WG1467094
Dibromomethane	U		0.000122	0.00100	1	04/28/2020 06:02	WG1467094
1,2-Dichlorobenzene	U		0.000107	0.00100	1	04/28/2020 06:02	WG1467094
1,3-Dichlorobenzene	U		0.000110	0.00100	1	04/28/2020 06:02	WG1467094
1,4-Dichlorobenzene	U		0.000120	0.00100	1	04/28/2020 06:02	WG1467094
Dichlorodifluoromethane	U		0.000374	0.00500	1	04/28/2020 06:02	WG1467094
1,1-Dichloroethane	U		0.000100	0.00100	1	04/28/2020 06:02	WG1467094
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/28/2020 06:02	WG1467094
1,1-Dichloroethene	U		0.000188	0.00100	1	04/28/2020 06:02	WG1467094
cis-1,2-Dichloroethene	0.00253		0.000126	0.00100	1	04/28/2020 06:02	WG1467094
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/28/2020 06:02	WG1467094
1,2-Dichloropropane	U		0.000149	0.00100	1	04/28/2020 06:02	WG1467094
1,1-Dichloropropene	U		0.000142	0.00100	1	04/28/2020 06:02	WG1467094
1,3-Dichloropropane	U		0.000110	0.00100	1	04/28/2020 06:02	WG1467094
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/28/2020 06:02	WG1467094
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/28/2020 06:02	WG1467094
2,2-Dichloropropane	U		0.000161	0.00100	1	04/28/2020 06:02	WG1467094
Di-isopropyl ether	U		0.000105	0.00100	1	04/28/2020 06:02	WG1467094
Ethylbenzene	U		0.000137	0.00100	1	04/28/2020 06:02	WG1467094
Hexachloro-1,3-butadiene	0.000488	J	0.000337	0.00100	1	04/28/2020 06:02	WG1467094
Isopropylbenzene	U		0.000105	0.00100	1	04/28/2020 06:02	WG1467094
p-Isopropyltoluene	U		0.000120	0.00100	1	04/28/2020 06:02	WG1467094
2-Butanone (MEK)	U		0.00119	0.0100	1	04/28/2020 06:02	WG1467094
Methylene Chloride	U		0.000430	0.00500	1	04/28/2020 06:02	WG1467094
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/28/2020 06:02	WG1467094
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/28/2020 06:02	WG1467094
Naphthalene	U		0.00100	0.00500	1	04/28/2020 06:02	WG1467094
n-Propylbenzene	U		0.0000993	0.00100	1	04/28/2020 06:02	WG1467094
Styrene	U		0.000118	0.00100	1	04/28/2020 06:02	WG1467094
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/28/2020 06:02	WG1467094

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 04/23/20 15:35

L1212188

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/28/2020 06:02	WG1467094
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	04/28/2020 06:02	WG1467094
Tetrachloroethene	U		0.000300	0.00100	1	04/28/2020 06:02	WG1467094
Toluene	U		0.000278	0.00100	1	04/28/2020 06:02	WG1467094
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	04/28/2020 06:02	WG1467094
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	04/28/2020 06:02	WG1467094
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/28/2020 06:02	WG1467094
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/28/2020 06:02	WG1467094
Trichloroethene	0.00511		0.000190	0.00100	1	04/28/2020 06:02	WG1467094
Trichlorofluoromethane	U		0.000160	0.00500	1	04/28/2020 06:02	WG1467094
1,2,3-Trichloropropane	U		0.000237	0.00250	1	04/28/2020 06:02	WG1467094
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/28/2020 06:02	WG1467094
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 06:02	WG1467094
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 06:02	WG1467094
Vinyl chloride	U		0.000234	0.00100	1	04/28/2020 06:02	WG1467094
Xylenes, Total	U		0.000174	0.00300	1	04/28/2020 06:02	WG1467094
(S) Toluene-d8	105			80.0-120		04/28/2020 06:02	WG1467094
(S) 4-Bromofluorobenzene	97.8			77.0-126		04/28/2020 06:02	WG1467094
(S) 1,2-Dichloroethane-d4	109			70.0-130		04/28/2020 06:02	WG1467094

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

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/30/2020 10:19	WG1467496
Acenaphthylene	U		0.0000921	0.00100	1	04/30/2020 10:19	WG1467496
Anthracene	U		0.0000804	0.00100	1	04/30/2020 10:19	WG1467496
Benzidine	U		0.00374	0.0100	1	04/30/2020 10:19	WG1467496
Benzo(a)anthracene	U		0.000199	0.00100	1	04/30/2020 10:19	WG1467496
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/30/2020 10:19	WG1467496
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/30/2020 10:19	WG1467496
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/30/2020 10:19	WG1467496
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/30/2020 10:19	WG1467496
Bis(2-chloroethoxy)methane	U		0.000116	0.0100	1	04/30/2020 10:19	WG1467496
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/30/2020 10:19	WG1467496
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/30/2020 10:19	WG1467496
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/30/2020 10:19	WG1467496
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/30/2020 10:19	WG1467496
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/30/2020 10:19	WG1467496
Chrysene	U		0.000130	0.00100	1	04/30/2020 10:19	WG1467496
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/30/2020 10:19	WG1467496
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/30/2020 10:19	WG1467496
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/30/2020 10:19	WG1467496
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/30/2020 10:19	WG1467496
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/30/2020 10:19	WG1467496
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/30/2020 10:19	WG1467496
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/30/2020 10:19	WG1467496
Fluoranthene	U		0.000102	0.00100	1	04/30/2020 10:19	WG1467496
Fluorene	U		0.0000844	0.00100	1	04/30/2020 10:19	WG1467496
Hexachlorobenzene	U		0.0000755	0.00100	1	04/30/2020 10:19	WG1467496
Hexachloro-1,3-butadiene	0.000324	J	0.0000968	0.0100	1	04/30/2020 10:19	WG1467496
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/30/2020 10:19	WG1467496
Hexachloroethane	U		0.000127	0.0100	1	04/30/2020 10:19	WG1467496
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/30/2020 10:19	WG1467496
Isophorone	U		0.000143	0.0100	1	04/30/2020 10:19	WG1467496
Naphthalene	U		0.000159	0.00100	1	04/30/2020 10:19	WG1467496
Nitrobenzene	U		0.000297	0.0100	1	04/30/2020 10:19	WG1467496



Collected date/time: 04/23/20 15:35

L1212188

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodimethylamine	U	<u>JO</u>	0.000998	0.0500	1	04/30/2020 10:19	WG1467496
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/30/2020 10:19	WG1467496
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/30/2020 10:19	WG1467496
Phenanthrene	U		0.000112	0.00100	1	04/30/2020 10:19	WG1467496
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/30/2020 10:19	WG1467496
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/30/2020 10:19	WG1467496
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/30/2020 10:19	WG1467496
Diethyl phthalate	U		0.000287	0.00300	1	04/30/2020 10:19	WG1467496
Dimethyl phthalate	U		0.000260	0.00300	1	04/30/2020 10:19	WG1467496
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/30/2020 10:19	WG1467496
Pyrene	U		0.000107	0.00100	1	04/30/2020 10:19	WG1467496
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/30/2020 10:19	WG1467496
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/30/2020 10:19	WG1467496
2-Chlorophenol	U		0.000133	0.0100	1	04/30/2020 10:19	WG1467496
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/30/2020 10:19	WG1467496
2,4-Dimethylphenol	U		0.0000636	0.0100	1	04/30/2020 10:19	WG1467496
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/30/2020 10:19	WG1467496
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/30/2020 10:19	WG1467496
2-Nitrophenol	U		0.000117	0.0100	1	04/30/2020 10:19	WG1467496
4-Nitrophenol	U		0.000143	0.0100	1	04/30/2020 10:19	WG1467496
Pentachlorophenol	U		0.000313	0.0100	1	04/30/2020 10:19	WG1467496
Phenol	U		0.00433	0.0100	1	04/30/2020 10:19	WG1467496
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/30/2020 10:19	WG1467496
(S) 2-Fluorophenol	30.3			10.0-120		04/30/2020 10:19	WG1467496
(S) Phenol-d5	16.8			10.0-120		04/30/2020 10:19	WG1467496
(S) Nitrobenzene-d5	48.2			10.0-127		04/30/2020 10:19	WG1467496
(S) 2-Fluorobiphenyl	65.5			10.0-130		04/30/2020 10:19	WG1467496
(S) 2,4,6-Tribromophenol	70.3			10.0-155		04/30/2020 10:19	WG1467496
(S) p-Terphenyl-d14	66.8			10.0-128		04/30/2020 10:19	WG1467496

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.00249	0.00500	1	04/30/2020 13:43	WG1466669

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/28/2020 06:22	WG1467094
Acrolein	U	JO	0.00254	0.0500	1	04/28/2020 06:22	WG1467094
Acrylonitrile	U		0.000671	0.0100	1	04/28/2020 06:22	WG1467094
Benzene	U		0.0000941	0.00100	1	04/28/2020 06:22	WG1467094
Bromobenzene	U		0.000118	0.00100	1	04/28/2020 06:22	WG1467094
Bromodichloromethane	U		0.000136	0.00100	1	04/28/2020 06:22	WG1467094
Bromoform	U		0.000129	0.00100	1	04/28/2020 06:22	WG1467094
Bromomethane	U		0.000605	0.00500	1	04/28/2020 06:22	WG1467094
n-Butylbenzene	U		0.000157	0.00100	1	04/28/2020 06:22	WG1467094
sec-Butylbenzene	U		0.000125	0.00100	1	04/28/2020 06:22	WG1467094
tert-Butylbenzene	U		0.000127	0.00100	1	04/28/2020 06:22	WG1467094
Carbon tetrachloride	U		0.000128	0.00100	1	04/28/2020 06:22	WG1467094
Chlorobenzene	U		0.000116	0.00100	1	04/28/2020 06:22	WG1467094
Chlorodibromomethane	U		0.000140	0.00100	1	04/28/2020 06:22	WG1467094
Chloroethane	U		0.000192	0.00500	1	04/28/2020 06:22	WG1467094
Chloroform	U		0.000111	0.00500	1	04/28/2020 06:22	WG1467094
Chloromethane	U		0.000960	0.00250	1	04/28/2020 06:22	WG1467094
2-Chlorotoluene	U		0.000106	0.00100	1	04/28/2020 06:22	WG1467094
4-Chlorotoluene	U		0.000114	0.00100	1	04/28/2020 06:22	WG1467094
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	04/28/2020 06:22	WG1467094
1,2-Dibromoethane	U		0.000126	0.00100	1	04/28/2020 06:22	WG1467094
Dibromomethane	U		0.000122	0.00100	1	04/28/2020 06:22	WG1467094
1,2-Dichlorobenzene	U		0.000107	0.00100	1	04/28/2020 06:22	WG1467094
1,3-Dichlorobenzene	U		0.000110	0.00100	1	04/28/2020 06:22	WG1467094
1,4-Dichlorobenzene	U		0.000120	0.00100	1	04/28/2020 06:22	WG1467094
Dichlorodifluoromethane	U		0.000374	0.00500	1	04/28/2020 06:22	WG1467094
1,1-Dichloroethane	U		0.000100	0.00100	1	04/28/2020 06:22	WG1467094
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/28/2020 06:22	WG1467094
1,1-Dichloroethene	U		0.000188	0.00100	1	04/28/2020 06:22	WG1467094
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/28/2020 06:22	WG1467094
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/28/2020 06:22	WG1467094
1,2-Dichloropropane	U		0.000149	0.00100	1	04/28/2020 06:22	WG1467094
1,1-Dichloropropene	U		0.000142	0.00100	1	04/28/2020 06:22	WG1467094
1,3-Dichloropropane	U		0.000110	0.00100	1	04/28/2020 06:22	WG1467094
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/28/2020 06:22	WG1467094
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/28/2020 06:22	WG1467094
2,2-Dichloropropane	U		0.000161	0.00100	1	04/28/2020 06:22	WG1467094
Di-isopropyl ether	U		0.000105	0.00100	1	04/28/2020 06:22	WG1467094
Ethylbenzene	U		0.000137	0.00100	1	04/28/2020 06:22	WG1467094
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/28/2020 06:22	WG1467094
Isopropylbenzene	U		0.000105	0.00100	1	04/28/2020 06:22	WG1467094
p-Isopropyltoluene	U		0.000120	0.00100	1	04/28/2020 06:22	WG1467094
2-Butanone (MEK)	U		0.00119	0.0100	1	04/28/2020 06:22	WG1467094
Methylene Chloride	U		0.000430	0.00500	1	04/28/2020 06:22	WG1467094
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/28/2020 06:22	WG1467094
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/28/2020 06:22	WG1467094
Naphthalene	U		0.00100	0.00500	1	04/28/2020 06:22	WG1467094
n-Propylbenzene	U		0.0000993	0.00100	1	04/28/2020 06:22	WG1467094
Styrene	U		0.000118	0.00100	1	04/28/2020 06:22	WG1467094
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/28/2020 06:22	WG1467094



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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/28/2020 06:22	WG1467094
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	04/28/2020 06:22	WG1467094
Tetrachloroethene	U		0.000300	0.00100	1	04/28/2020 06:22	WG1467094
Toluene	U		0.000278	0.00100	1	04/28/2020 06:22	WG1467094
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	04/28/2020 06:22	WG1467094
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	04/28/2020 06:22	WG1467094
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/28/2020 06:22	WG1467094
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/28/2020 06:22	WG1467094
Trichloroethene	0.000227	U	0.000190	0.00100	1	04/28/2020 06:22	WG1467094
Trichlorofluoromethane	U		0.000160	0.00500	1	04/28/2020 06:22	WG1467094
1,2,3-Trichloropropane	U		0.000237	0.00250	1	04/28/2020 06:22	WG1467094
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/28/2020 06:22	WG1467094
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 06:22	WG1467094
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 06:22	WG1467094
Vinyl chloride	U		0.000234	0.00100	1	04/28/2020 06:22	WG1467094
Xylenes, Total	U		0.000174	0.00300	1	04/28/2020 06:22	WG1467094
(S) Toluene-d8	106			80.0-120		04/28/2020 06:22	WG1467094
(S) 4-Bromofluorobenzene	103			77.0-126		04/28/2020 06:22	WG1467094
(S) 1,2-Dichloroethane-d4	108			70.0-130		04/28/2020 06:22	WG1467094

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/30/2020 10:40	WG1467496
Acenaphthylene	U		0.0000921	0.00100	1	04/30/2020 10:40	WG1467496
Anthracene	U		0.0000804	0.00100	1	04/30/2020 10:40	WG1467496
Benzidine	U		0.00374	0.0100	1	04/30/2020 10:40	WG1467496
Benzo(a)anthracene	U		0.000199	0.00100	1	04/30/2020 10:40	WG1467496
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/30/2020 10:40	WG1467496
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/30/2020 10:40	WG1467496
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/30/2020 10:40	WG1467496
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/30/2020 10:40	WG1467496
Bis(2-chlorethoxy)methane	U		0.000116	0.0100	1	04/30/2020 10:40	WG1467496
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/30/2020 10:40	WG1467496
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/30/2020 10:40	WG1467496
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/30/2020 10:40	WG1467496
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/30/2020 10:40	WG1467496
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/30/2020 10:40	WG1467496
Chrysene	U		0.000130	0.00100	1	04/30/2020 10:40	WG1467496
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/30/2020 10:40	WG1467496
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/30/2020 10:40	WG1467496
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/30/2020 10:40	WG1467496
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/30/2020 10:40	WG1467496
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/30/2020 10:40	WG1467496
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/30/2020 10:40	WG1467496
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/30/2020 10:40	WG1467496
Fluoranthene	U		0.000102	0.00100	1	04/30/2020 10:40	WG1467496
Fluorene	U		0.0000844	0.00100	1	04/30/2020 10:40	WG1467496
Hexachlorobenzene	U		0.0000755	0.00100	1	04/30/2020 10:40	WG1467496
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/30/2020 10:40	WG1467496
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/30/2020 10:40	WG1467496
Hexachloroethane	U		0.000127	0.0100	1	04/30/2020 10:40	WG1467496
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/30/2020 10:40	WG1467496
Isophorone	U		0.000143	0.0100	1	04/30/2020 10:40	WG1467496
Naphthalene	U		0.000159	0.00100	1	04/30/2020 10:40	WG1467496
Nitrobenzene	U		0.000297	0.0100	1	04/30/2020 10:40	WG1467496



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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodimethylamine	U	<u>JO</u>	0.000998	0.0500	1	04/30/2020 10:40	WG1467496
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/30/2020 10:40	WG1467496
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/30/2020 10:40	WG1467496
Phenanthrene	U		0.000112	0.00100	1	04/30/2020 10:40	WG1467496
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/30/2020 10:40	WG1467496
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/30/2020 10:40	WG1467496
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/30/2020 10:40	WG1467496
Diethyl phthalate	U		0.000287	0.00300	1	04/30/2020 10:40	WG1467496
Dimethyl phthalate	U		0.000260	0.00300	1	04/30/2020 10:40	WG1467496
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/30/2020 10:40	WG1467496
Pyrene	U		0.000107	0.00100	1	04/30/2020 10:40	WG1467496
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/30/2020 10:40	WG1467496
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/30/2020 10:40	WG1467496
2-Chlorophenol	U		0.000133	0.0100	1	04/30/2020 10:40	WG1467496
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/30/2020 10:40	WG1467496
2,4-Dimethylphenol	U		0.0000636	0.0100	1	04/30/2020 10:40	WG1467496
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/30/2020 10:40	WG1467496
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/30/2020 10:40	WG1467496
2-Nitrophenol	U		0.000117	0.0100	1	04/30/2020 10:40	WG1467496
4-Nitrophenol	U		0.000143	0.0100	1	04/30/2020 10:40	WG1467496
Pentachlorophenol	U		0.000313	0.0100	1	04/30/2020 10:40	WG1467496
Phenol	U		0.00433	0.0100	1	04/30/2020 10:40	WG1467496
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/30/2020 10:40	WG1467496
(S) 2-Fluorophenol	30.7			10.0-120		04/30/2020 10:40	WG1467496
(S) Phenol-d5	16.9			10.0-120		04/30/2020 10:40	WG1467496
(S) Nitrobenzene-d5	49.2			10.0-127		04/30/2020 10:40	WG1467496
(S) 2-Fluorobiphenyl	65.3			10.0-130		04/30/2020 10:40	WG1467496
(S) 2,4,6-Tribromophenol	69.5			10.0-155		04/30/2020 10:40	WG1467496
(S) p-Terphenyl-d14	67.9			10.0-128		04/30/2020 10:40	WG1467496

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.00249	0.00500	1	04/30/2020 13:47	WG1466669

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/28/2020 06:43	WG1467094
Acrolein	U	JO	0.00254	0.0500	1	04/28/2020 06:43	WG1467094
Acrylonitrile	U		0.000671	0.0100	1	04/28/2020 06:43	WG1467094
Benzene	U		0.0000941	0.00100	1	04/28/2020 06:43	WG1467094
Bromobenzene	U		0.000118	0.00100	1	04/28/2020 06:43	WG1467094
Bromodichloromethane	U		0.000136	0.00100	1	04/28/2020 06:43	WG1467094
Bromoform	U		0.000129	0.00100	1	04/28/2020 06:43	WG1467094
Bromomethane	U		0.000605	0.00500	1	04/28/2020 06:43	WG1467094
n-Butylbenzene	U		0.000157	0.00100	1	04/28/2020 06:43	WG1467094
sec-Butylbenzene	U		0.000125	0.00100	1	04/28/2020 06:43	WG1467094
tert-Butylbenzene	U		0.000127	0.00100	1	04/28/2020 06:43	WG1467094
Carbon tetrachloride	U		0.000128	0.00100	1	04/28/2020 06:43	WG1467094
Chlorobenzene	U		0.000116	0.00100	1	04/28/2020 06:43	WG1467094
Chlorodibromomethane	U		0.000140	0.00100	1	04/28/2020 06:43	WG1467094
Chloroethane	U		0.000192	0.00500	1	04/28/2020 06:43	WG1467094
Chloroform	U		0.000111	0.00500	1	04/28/2020 06:43	WG1467094
Chloromethane	U		0.000960	0.00250	1	04/28/2020 06:43	WG1467094
2-Chlorotoluene	U		0.000106	0.00100	1	04/28/2020 06:43	WG1467094
4-Chlorotoluene	U		0.000114	0.00100	1	04/28/2020 06:43	WG1467094
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	04/28/2020 06:43	WG1467094
1,2-Dibromoethane	U		0.000126	0.00100	1	04/28/2020 06:43	WG1467094
Dibromomethane	U		0.000122	0.00100	1	04/28/2020 06:43	WG1467094
1,2-Dichlorobenzene	U		0.000107	0.00100	1	04/28/2020 06:43	WG1467094
1,3-Dichlorobenzene	U		0.000110	0.00100	1	04/28/2020 06:43	WG1467094
1,4-Dichlorobenzene	U		0.000120	0.00100	1	04/28/2020 06:43	WG1467094
Dichlorodifluoromethane	U		0.000374	0.00500	1	04/28/2020 06:43	WG1467094
1,1-Dichloroethane	U		0.000100	0.00100	1	04/28/2020 06:43	WG1467094
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/28/2020 06:43	WG1467094
1,1-Dichloroethene	U		0.000188	0.00100	1	04/28/2020 06:43	WG1467094
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/28/2020 06:43	WG1467094
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/28/2020 06:43	WG1467094
1,2-Dichloropropane	U		0.000149	0.00100	1	04/28/2020 06:43	WG1467094
1,1-Dichloropropene	U		0.000142	0.00100	1	04/28/2020 06:43	WG1467094
1,3-Dichloropropane	U		0.000110	0.00100	1	04/28/2020 06:43	WG1467094
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/28/2020 06:43	WG1467094
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/28/2020 06:43	WG1467094
2,2-Dichloropropane	U		0.000161	0.00100	1	04/28/2020 06:43	WG1467094
Di-isopropyl ether	U		0.000105	0.00100	1	04/28/2020 06:43	WG1467094
Ethylbenzene	U		0.000137	0.00100	1	04/28/2020 06:43	WG1467094
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/28/2020 06:43	WG1467094
Isopropylbenzene	U		0.000105	0.00100	1	04/28/2020 06:43	WG1467094
p-Isopropyltoluene	U		0.000120	0.00100	1	04/28/2020 06:43	WG1467094
2-Butanone (MEK)	U		0.00119	0.0100	1	04/28/2020 06:43	WG1467094
Methylene Chloride	U		0.000430	0.00500	1	04/28/2020 06:43	WG1467094
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/28/2020 06:43	WG1467094
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/28/2020 06:43	WG1467094
Naphthalene	U		0.00100	0.00500	1	04/28/2020 06:43	WG1467094
n-Propylbenzene	U		0.0000993	0.00100	1	04/28/2020 06:43	WG1467094
Styrene	U		0.000118	0.00100	1	04/28/2020 06:43	WG1467094
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/28/2020 06:43	WG1467094



Collected date/time: 04/22/20 14:15

L1212188

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/28/2020 06:43	WG1467094
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	04/28/2020 06:43	WG1467094
Tetrachloroethene	U		0.000300	0.00100	1	04/28/2020 06:43	WG1467094
Toluene	U		0.000278	0.00100	1	04/28/2020 06:43	WG1467094
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	04/28/2020 06:43	WG1467094
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	04/28/2020 06:43	WG1467094
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/28/2020 06:43	WG1467094
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/28/2020 06:43	WG1467094
Trichloroethene	U		0.000190	0.00100	1	04/28/2020 06:43	WG1467094
Trichlorofluoromethane	U		0.000160	0.00500	1	04/28/2020 06:43	WG1467094
1,2,3-Trichloropropane	U		0.000237	0.00250	1	04/28/2020 06:43	WG1467094
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/28/2020 06:43	WG1467094
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 06:43	WG1467094
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 06:43	WG1467094
Vinyl chloride	U		0.000234	0.00100	1	04/28/2020 06:43	WG1467094
Xylenes, Total	U		0.000174	0.00300	1	04/28/2020 06:43	WG1467094
(S) Toluene-d8	105			80.0-120		04/28/2020 06:43	WG1467094
(S) 4-Bromofluorobenzene	102			77.0-126		04/28/2020 06:43	WG1467094
(S) 1,2-Dichloroethane-d4	107			70.0-130		04/28/2020 06:43	WG1467094

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/28/2020 20:35	WG1466958
Acenaphthylene	U		0.0000921	0.00100	1	04/28/2020 20:35	WG1466958
Anthracene	U		0.0000804	0.00100	1	04/28/2020 20:35	WG1466958
Benzidine	U		0.00374	0.0100	1	04/28/2020 20:35	WG1466958
Benzo(a)anthracene	U		0.000199	0.00100	1	04/28/2020 20:35	WG1466958
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/28/2020 20:35	WG1466958
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/28/2020 20:35	WG1466958
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/28/2020 20:35	WG1466958
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/28/2020 20:35	WG1466958
Bis(2-chloroethoxy)methane	U		0.000116	0.0100	1	04/28/2020 20:35	WG1466958
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/28/2020 20:35	WG1466958
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/28/2020 20:35	WG1466958
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/28/2020 20:35	WG1466958
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/28/2020 20:35	WG1466958
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/28/2020 20:35	WG1466958
Chrysene	U		0.000130	0.00100	1	04/28/2020 20:35	WG1466958
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/28/2020 20:35	WG1466958
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/28/2020 20:35	WG1466958
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/28/2020 20:35	WG1466958
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/28/2020 20:35	WG1466958
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/28/2020 20:35	WG1466958
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/28/2020 20:35	WG1466958
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/28/2020 20:35	WG1466958
Fluoranthene	U		0.000102	0.00100	1	04/28/2020 20:35	WG1466958
Fluorene	U		0.0000844	0.00100	1	04/28/2020 20:35	WG1466958
Hexachlorobenzene	U		0.0000755	0.00100	1	04/28/2020 20:35	WG1466958
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/28/2020 20:35	WG1466958
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/28/2020 20:35	WG1466958
Hexachloroethane	U		0.000127	0.0100	1	04/28/2020 20:35	WG1466958
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/28/2020 20:35	WG1466958
Isophorone	U		0.000143	0.0100	1	04/28/2020 20:35	WG1466958
Naphthalene	U		0.000159	0.00100	1	04/28/2020 20:35	WG1466958
Nitrobenzene	U		0.000297	0.0100	1	04/28/2020 20:35	WG1466958



Collected date/time: 04/22/20 14:15

L1212188

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodimethylamine	U	<u>JO</u>	0.000998	0.0100	1	04/28/2020 20:35	WG1466958
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/28/2020 20:35	WG1466958
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/28/2020 20:35	WG1466958
Phenanthrene	U		0.000112	0.00100	1	04/28/2020 20:35	WG1466958
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/28/2020 20:35	WG1466958
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/28/2020 20:35	WG1466958
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/28/2020 20:35	WG1466958
Diethyl phthalate	U		0.000287	0.00300	1	04/28/2020 20:35	WG1466958
Dimethyl phthalate	U		0.000260	0.00300	1	04/28/2020 20:35	WG1466958
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/28/2020 20:35	WG1466958
Pyrene	U		0.000107	0.00100	1	04/28/2020 20:35	WG1466958
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/28/2020 20:35	WG1466958
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/28/2020 20:35	WG1466958
2-Chlorophenol	U		0.000133	0.0100	1	04/28/2020 20:35	WG1466958
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/28/2020 20:35	WG1466958
2,4-Dimethylphenol	U		0.0000636	0.0100	1	04/28/2020 20:35	WG1466958
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/28/2020 20:35	WG1466958
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/28/2020 20:35	WG1466958
2-Nitrophenol	U		0.000117	0.0100	1	04/28/2020 20:35	WG1466958
4-Nitrophenol	U		0.000143	0.0100	1	04/28/2020 20:35	WG1466958
Pentachlorophenol	U		0.000313	0.0100	1	04/28/2020 20:35	WG1466958
Phenol	U		0.00433	0.0100	1	04/28/2020 20:35	WG1466958
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/28/2020 20:35	WG1466958
(S) 2-Fluorophenol	25.2			10.0-120		04/28/2020 20:35	WG1466958
(S) Phenol-d5	15.5			10.0-120		04/28/2020 20:35	WG1466958
(S) Nitrobenzene-d5	34.5			10.0-127		04/28/2020 20:35	WG1466958
(S) 2-Fluorobiphenyl	47.9			10.0-130		04/28/2020 20:35	WG1466958
(S) 2,4,6-Tribromophenol	49.2			10.0-155		04/28/2020 20:35	WG1466958
(S) p-Terphenyl-d14	55.6			10.0-128		04/28/2020 20:35	WG1466958

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.00249	0.00500	1	04/30/2020 13:50	WG1466669

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	0.0117	J	0.0113	0.0500	1	04/27/2020 22:53	WG1467094
Acrolein	U	JO	0.00254	0.0500	1	04/27/2020 22:53	WG1467094
Acrylonitrile	U		0.000671	0.0100	1	04/27/2020 22:53	WG1467094
Benzene	U		0.0000941	0.00100	1	04/27/2020 22:53	WG1467094
Bromobenzene	U		0.000118	0.00100	1	04/27/2020 22:53	WG1467094
Bromodichloromethane	U		0.000136	0.00100	1	04/27/2020 22:53	WG1467094
Bromoform	U		0.000129	0.00100	1	04/27/2020 22:53	WG1467094
Bromomethane	U		0.000605	0.00500	1	04/27/2020 22:53	WG1467094
n-Butylbenzene	U		0.000157	0.00100	1	04/27/2020 22:53	WG1467094
sec-Butylbenzene	U		0.000125	0.00100	1	04/27/2020 22:53	WG1467094
tert-Butylbenzene	U		0.000127	0.00100	1	04/27/2020 22:53	WG1467094
Carbon tetrachloride	U		0.000128	0.00100	1	04/27/2020 22:53	WG1467094
Chlorobenzene	U		0.000116	0.00100	1	04/27/2020 22:53	WG1467094
Chlorodibromomethane	U		0.000140	0.00100	1	04/27/2020 22:53	WG1467094
Chloroethane	U		0.000192	0.00500	1	04/27/2020 22:53	WG1467094
Chloroform	U		0.000111	0.00500	1	04/27/2020 22:53	WG1467094
Chloromethane	U		0.000960	0.00250	1	04/27/2020 22:53	WG1467094
2-Chlorotoluene	U		0.000106	0.00100	1	04/27/2020 22:53	WG1467094
4-Chlorotoluene	U		0.000114	0.00100	1	04/27/2020 22:53	WG1467094
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	04/27/2020 22:53	WG1467094
1,2-Dibromoethane	U		0.000126	0.00100	1	04/27/2020 22:53	WG1467094
Dibromomethane	U		0.000122	0.00100	1	04/27/2020 22:53	WG1467094
1,2-Dichlorobenzene	U		0.000107	0.00100	1	04/27/2020 22:53	WG1467094
1,3-Dichlorobenzene	U		0.000110	0.00100	1	04/27/2020 22:53	WG1467094
1,4-Dichlorobenzene	U		0.000120	0.00100	1	04/27/2020 22:53	WG1467094
Dichlorodifluoromethane	U		0.000374	0.00500	1	04/27/2020 22:53	WG1467094
1,1-Dichloroethane	U		0.000100	0.00100	1	04/27/2020 22:53	WG1467094
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/27/2020 22:53	WG1467094
1,1-Dichloroethene	U		0.000188	0.00100	1	04/27/2020 22:53	WG1467094
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/27/2020 22:53	WG1467094
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/27/2020 22:53	WG1467094
1,2-Dichloropropane	U		0.000149	0.00100	1	04/27/2020 22:53	WG1467094
1,1-Dichloropropene	U		0.000142	0.00100	1	04/27/2020 22:53	WG1467094
1,3-Dichloropropane	U		0.000110	0.00100	1	04/27/2020 22:53	WG1467094
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/27/2020 22:53	WG1467094
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/27/2020 22:53	WG1467094
2,2-Dichloropropane	U		0.000161	0.00100	1	04/27/2020 22:53	WG1467094
Di-isopropyl ether	U		0.000105	0.00100	1	04/27/2020 22:53	WG1467094
Ethylbenzene	U		0.000137	0.00100	1	04/27/2020 22:53	WG1467094
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/27/2020 22:53	WG1467094
Isopropylbenzene	U		0.000105	0.00100	1	04/27/2020 22:53	WG1467094
p-Isopropyltoluene	U		0.000120	0.00100	1	04/27/2020 22:53	WG1467094
2-Butanone (MEK)	0.0130		0.00119	0.0100	1	04/27/2020 22:53	WG1467094
Methylene Chloride	U		0.000430	0.00500	1	04/27/2020 22:53	WG1467094
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/27/2020 22:53	WG1467094
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/27/2020 22:53	WG1467094
Naphthalene	U		0.00100	0.00500	1	04/27/2020 22:53	WG1467094
n-Propylbenzene	U		0.0000993	0.00100	1	04/27/2020 22:53	WG1467094
Styrene	U		0.000118	0.00100	1	04/27/2020 22:53	WG1467094
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/27/2020 22:53	WG1467094

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 04/22/20 13:30

L1212188

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/27/2020 22:53	WG1467094
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	04/27/2020 22:53	WG1467094
Tetrachloroethene	U		0.000300	0.00100	1	04/27/2020 22:53	WG1467094
Toluene	U		0.000278	0.00100	1	04/27/2020 22:53	WG1467094
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	04/27/2020 22:53	WG1467094
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	04/27/2020 22:53	WG1467094
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/27/2020 22:53	WG1467094
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/27/2020 22:53	WG1467094
Trichloroethene	U		0.000190	0.00100	1	04/27/2020 22:53	WG1467094
Trichlorofluoromethane	U		0.000160	0.00500	1	04/27/2020 22:53	WG1467094
1,2,3-Trichloropropane	U		0.000237	0.00250	1	04/27/2020 22:53	WG1467094
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/27/2020 22:53	WG1467094
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	04/27/2020 22:53	WG1467094
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/27/2020 22:53	WG1467094
Vinyl chloride	U		0.000234	0.00100	1	04/27/2020 22:53	WG1467094
Xylenes, Total	U		0.000174	0.00300	1	04/27/2020 22:53	WG1467094
(S) Toluene-d8	104			80.0-120		04/27/2020 22:53	WG1467094
(S) 4-Bromofluorobenzene	103			77.0-126		04/27/2020 22:53	WG1467094
(S) 1,2-Dichloroethane-d4	109			70.0-130		04/27/2020 22:53	WG1467094

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/28/2020 20:56	WG1466958
Acenaphthylene	U		0.0000921	0.00100	1	04/28/2020 20:56	WG1466958
Anthracene	U		0.0000804	0.00100	1	04/28/2020 20:56	WG1466958
Benzidine	U		0.00374	0.0100	1	04/28/2020 20:56	WG1466958
Benzo(a)anthracene	U		0.000199	0.00100	1	04/28/2020 20:56	WG1466958
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/28/2020 20:56	WG1466958
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/28/2020 20:56	WG1466958
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/28/2020 20:56	WG1466958
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/28/2020 20:56	WG1466958
Bis(2-chloroethoxy)methane	U		0.000116	0.0100	1	04/28/2020 20:56	WG1466958
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/28/2020 20:56	WG1466958
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/28/2020 20:56	WG1466958
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/28/2020 20:56	WG1466958
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/28/2020 20:56	WG1466958
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/28/2020 20:56	WG1466958
Chrysene	U		0.000130	0.00100	1	04/28/2020 20:56	WG1466958
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/28/2020 20:56	WG1466958
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/28/2020 20:56	WG1466958
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/28/2020 20:56	WG1466958
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/28/2020 20:56	WG1466958
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/28/2020 20:56	WG1466958
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/28/2020 20:56	WG1466958
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/28/2020 20:56	WG1466958
Fluoranthene	U		0.000102	0.00100	1	04/28/2020 20:56	WG1466958
Fluorene	U		0.0000844	0.00100	1	04/28/2020 20:56	WG1466958
Hexachlorobenzene	U		0.0000755	0.00100	1	04/28/2020 20:56	WG1466958
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/28/2020 20:56	WG1466958
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/28/2020 20:56	WG1466958
Hexachloroethane	U		0.000127	0.0100	1	04/28/2020 20:56	WG1466958
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/28/2020 20:56	WG1466958
Isophorone	U		0.000143	0.0100	1	04/28/2020 20:56	WG1466958
Naphthalene	U		0.000159	0.00100	1	04/28/2020 20:56	WG1466958
Nitrobenzene	U		0.000297	0.0100	1	04/28/2020 20:56	WG1466958



Collected date/time: 04/22/20 13:30

L1212188

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodimethylamine	U	<u>JO</u>	0.000998	0.0100	1	04/28/2020 20:56	WG1466958
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/28/2020 20:56	WG1466958
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/28/2020 20:56	WG1466958
Phenanthrene	U		0.000112	0.00100	1	04/28/2020 20:56	WG1466958
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/28/2020 20:56	WG1466958
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/28/2020 20:56	WG1466958
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/28/2020 20:56	WG1466958
Diethyl phthalate	U		0.000287	0.00300	1	04/28/2020 20:56	WG1466958
Dimethyl phthalate	U		0.000260	0.00300	1	04/28/2020 20:56	WG1466958
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/28/2020 20:56	WG1466958
Pyrene	U		0.000107	0.00100	1	04/28/2020 20:56	WG1466958
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/28/2020 20:56	WG1466958
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/28/2020 20:56	WG1466958
2-Chlorophenol	U		0.000133	0.0100	1	04/28/2020 20:56	WG1466958
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/28/2020 20:56	WG1466958
2,4-Dimethylphenol	U		0.0000636	0.0100	1	04/28/2020 20:56	WG1466958
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/28/2020 20:56	WG1466958
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/28/2020 20:56	WG1466958
2-Nitrophenol	U		0.000117	0.0100	1	04/28/2020 20:56	WG1466958
4-Nitrophenol	U		0.000143	0.0100	1	04/28/2020 20:56	WG1466958
Pentachlorophenol	U		0.000313	0.0100	1	04/28/2020 20:56	WG1466958
Phenol	U		0.00433	0.0100	1	04/28/2020 20:56	WG1466958
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/28/2020 20:56	WG1466958
(S) 2-Fluorophenol	30.9			10.0-120		04/28/2020 20:56	WG1466958
(S) Phenol-d5	19.2			10.0-120		04/28/2020 20:56	WG1466958
(S) Nitrobenzene-d5	42.0			10.0-127		04/28/2020 20:56	WG1466958
(S) 2-Fluorobiphenyl	56.2			10.0-130		04/28/2020 20:56	WG1466958
(S) 2,4,6-Tribromophenol	61.0			10.0-155		04/28/2020 20:56	WG1466958
(S) p-Terphenyl-d14	61.2			10.0-128		04/28/2020 20:56	WG1466958

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Lead,Dissolved	U		0.00249	0.00500	1	04/30/2020 13:53	WG1466669

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	04/27/2020 23:13	WG1467094
Acrolein	U	JO	0.00254	0.0500	1	04/27/2020 23:13	WG1467094
Acrylonitrile	U		0.000671	0.0100	1	04/27/2020 23:13	WG1467094
Benzene	U		0.0000941	0.00100	1	04/27/2020 23:13	WG1467094
Bromobenzene	U		0.000118	0.00100	1	04/27/2020 23:13	WG1467094
Bromodichloromethane	U		0.000136	0.00100	1	04/27/2020 23:13	WG1467094
Bromoform	U		0.000129	0.00100	1	04/27/2020 23:13	WG1467094
Bromomethane	U		0.000605	0.00500	1	04/27/2020 23:13	WG1467094
n-Butylbenzene	U		0.000157	0.00100	1	04/27/2020 23:13	WG1467094
sec-Butylbenzene	U		0.000125	0.00100	1	04/27/2020 23:13	WG1467094
tert-Butylbenzene	U		0.000127	0.00100	1	04/27/2020 23:13	WG1467094
Carbon tetrachloride	U		0.000128	0.00100	1	04/27/2020 23:13	WG1467094
Chlorobenzene	U		0.000116	0.00100	1	04/27/2020 23:13	WG1467094
Chlorodibromomethane	U		0.000140	0.00100	1	04/27/2020 23:13	WG1467094
Chloroethane	U		0.000192	0.00500	1	04/27/2020 23:13	WG1467094
Chloroform	U		0.000111	0.00500	1	04/27/2020 23:13	WG1467094
Chloromethane	U		0.000960	0.00250	1	04/27/2020 23:13	WG1467094
2-Chlorotoluene	U		0.000106	0.00100	1	04/27/2020 23:13	WG1467094
4-Chlorotoluene	U		0.000114	0.00100	1	04/27/2020 23:13	WG1467094
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	04/27/2020 23:13	WG1467094
1,2-Dibromoethane	U		0.000126	0.00100	1	04/27/2020 23:13	WG1467094
Dibromomethane	U		0.000122	0.00100	1	04/27/2020 23:13	WG1467094
1,2-Dichlorobenzene	U		0.000107	0.00100	1	04/27/2020 23:13	WG1467094
1,3-Dichlorobenzene	U		0.000110	0.00100	1	04/27/2020 23:13	WG1467094
1,4-Dichlorobenzene	U		0.000120	0.00100	1	04/27/2020 23:13	WG1467094
Dichlorodifluoromethane	U		0.000374	0.00500	1	04/27/2020 23:13	WG1467094
1,1-Dichloroethane	U		0.000100	0.00100	1	04/27/2020 23:13	WG1467094
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/27/2020 23:13	WG1467094
1,1-Dichloroethene	U		0.000188	0.00100	1	04/27/2020 23:13	WG1467094
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/27/2020 23:13	WG1467094
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/27/2020 23:13	WG1467094
1,2-Dichloropropane	U		0.000149	0.00100	1	04/27/2020 23:13	WG1467094
1,1-Dichloropropene	U		0.000142	0.00100	1	04/27/2020 23:13	WG1467094
1,3-Dichloropropane	U		0.000110	0.00100	1	04/27/2020 23:13	WG1467094
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/27/2020 23:13	WG1467094
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/27/2020 23:13	WG1467094
2,2-Dichloropropane	U		0.000161	0.00100	1	04/27/2020 23:13	WG1467094
Di-isopropyl ether	U		0.000105	0.00100	1	04/27/2020 23:13	WG1467094
Ethylbenzene	U		0.000137	0.00100	1	04/27/2020 23:13	WG1467094
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/27/2020 23:13	WG1467094
Isopropylbenzene	U		0.000105	0.00100	1	04/27/2020 23:13	WG1467094
p-Isopropyltoluene	U		0.000120	0.00100	1	04/27/2020 23:13	WG1467094
2-Butanone (MEK)	U		0.00119	0.0100	1	04/27/2020 23:13	WG1467094
Methylene Chloride	U		0.000430	0.00500	1	04/27/2020 23:13	WG1467094
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/27/2020 23:13	WG1467094
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/27/2020 23:13	WG1467094
Naphthalene	U		0.00100	0.00500	1	04/27/2020 23:13	WG1467094
n-Propylbenzene	U		0.0000993	0.00100	1	04/27/2020 23:13	WG1467094
Styrene	U		0.000118	0.00100	1	04/27/2020 23:13	WG1467094
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/27/2020 23:13	WG1467094

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 04/23/20 16:15

L1212188

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/27/2020 23:13	WG1467094
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	04/27/2020 23:13	WG1467094
Tetrachloroethene	U		0.000300	0.00100	1	04/27/2020 23:13	WG1467094
Toluene	U		0.000278	0.00100	1	04/27/2020 23:13	WG1467094
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	04/27/2020 23:13	WG1467094
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	04/27/2020 23:13	WG1467094
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/27/2020 23:13	WG1467094
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/27/2020 23:13	WG1467094
Trichloroethene	U		0.000190	0.00100	1	04/27/2020 23:13	WG1467094
Trichlorofluoromethane	U		0.000160	0.00500	1	04/27/2020 23:13	WG1467094
1,2,3-Trichloropropane	U		0.000237	0.00250	1	04/27/2020 23:13	WG1467094
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/27/2020 23:13	WG1467094
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	04/27/2020 23:13	WG1467094
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/27/2020 23:13	WG1467094
Vinyl chloride	U		0.000234	0.00100	1	04/27/2020 23:13	WG1467094
Xylenes, Total	U		0.000174	0.00300	1	04/27/2020 23:13	WG1467094
(S) Toluene-d8	109			80.0-120		04/27/2020 23:13	WG1467094
(S) 4-Bromofluorobenzene	97.1			77.0-126		04/27/2020 23:13	WG1467094
(S) 1,2-Dichloroethane-d4	105			70.0-130		04/27/2020 23:13	WG1467094

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/30/2020 11:01	WG1467496
Acenaphthylene	U		0.0000921	0.00100	1	04/30/2020 11:01	WG1467496
Anthracene	U		0.0000804	0.00100	1	04/30/2020 11:01	WG1467496
Benzidine	U		0.00374	0.0100	1	04/30/2020 11:01	WG1467496
Benzo(a)anthracene	U		0.000199	0.00100	1	04/30/2020 11:01	WG1467496
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/30/2020 11:01	WG1467496
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/30/2020 11:01	WG1467496
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/30/2020 11:01	WG1467496
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/30/2020 11:01	WG1467496
Bis(2-chloroethoxy)methane	U		0.000116	0.0100	1	04/30/2020 11:01	WG1467496
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/30/2020 11:01	WG1467496
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/30/2020 11:01	WG1467496
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/30/2020 11:01	WG1467496
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/30/2020 11:01	WG1467496
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/30/2020 11:01	WG1467496
Chrysene	U		0.000130	0.00100	1	04/30/2020 11:01	WG1467496
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/30/2020 11:01	WG1467496
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/30/2020 11:01	WG1467496
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/30/2020 11:01	WG1467496
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/30/2020 11:01	WG1467496
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/30/2020 11:01	WG1467496
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/30/2020 11:01	WG1467496
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/30/2020 11:01	WG1467496
Fluoranthene	U		0.000102	0.00100	1	04/30/2020 11:01	WG1467496
Fluorene	U		0.0000844	0.00100	1	04/30/2020 11:01	WG1467496
Hexachlorobenzene	U		0.0000755	0.00100	1	04/30/2020 11:01	WG1467496
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/30/2020 11:01	WG1467496
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/30/2020 11:01	WG1467496
Hexachloroethane	U		0.000127	0.0100	1	04/30/2020 11:01	WG1467496
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/30/2020 11:01	WG1467496
Isophorone	U		0.000143	0.0100	1	04/30/2020 11:01	WG1467496
Naphthalene	U		0.000159	0.00100	1	04/30/2020 11:01	WG1467496
Nitrobenzene	U		0.000297	0.0100	1	04/30/2020 11:01	WG1467496



Collected date/time: 04/23/20 16:15

L1212188

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodimethylamine	U	<u>JO</u>	0.000998	0.0500	1	04/30/2020 11:01	WG1467496
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/30/2020 11:01	WG1467496
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/30/2020 11:01	WG1467496
Phenanthrene	U		0.000112	0.00100	1	04/30/2020 11:01	WG1467496
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/30/2020 11:01	WG1467496
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/30/2020 11:01	WG1467496
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/30/2020 11:01	WG1467496
Diethyl phthalate	U		0.000287	0.00300	1	04/30/2020 11:01	WG1467496
Dimethyl phthalate	U		0.000260	0.00300	1	04/30/2020 11:01	WG1467496
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/30/2020 11:01	WG1467496
Pyrene	U		0.000107	0.00100	1	04/30/2020 11:01	WG1467496
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/30/2020 11:01	WG1467496
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/30/2020 11:01	WG1467496
2-Chlorophenol	U		0.000133	0.0100	1	04/30/2020 11:01	WG1467496
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/30/2020 11:01	WG1467496
2,4-Dimethylphenol	U		0.0000636	0.0100	1	04/30/2020 11:01	WG1467496
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/30/2020 11:01	WG1467496
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/30/2020 11:01	WG1467496
2-Nitrophenol	U		0.000117	0.0100	1	04/30/2020 11:01	WG1467496
4-Nitrophenol	U		0.000143	0.0100	1	04/30/2020 11:01	WG1467496
Pentachlorophenol	U		0.000313	0.0100	1	04/30/2020 11:01	WG1467496
Phenol	U		0.00433	0.0100	1	04/30/2020 11:01	WG1467496
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/30/2020 11:01	WG1467496
(S) 2-Fluorophenol	31.7			10.0-120		04/30/2020 11:01	WG1467496
(S) Phenol-d5	17.6			10.0-120		04/30/2020 11:01	WG1467496
(S) Nitrobenzene-d5	48.6			10.0-127		04/30/2020 11:01	WG1467496
(S) 2-Fluorobiphenyl	63.7			10.0-130		04/30/2020 11:01	WG1467496
(S) 2,4,6-Tribromophenol	67.9			10.0-155		04/30/2020 11:01	WG1467496
(S) p-Terphenyl-d14	69.2			10.0-128		04/30/2020 11:01	WG1467496

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Metals (ICPMS) by Method 6020A

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		0.00249	0.00500	1	04/30/2020 13:57	WG1466669

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	04/29/2020 00:27	WG1467719
Acrolein	U		0.00254	0.0500	1	04/29/2020 00:27	WG1467719
Acrylonitrile	U		0.000671	0.0100	1	04/29/2020 00:27	WG1467719
Benzene	U		0.0000941	0.00100	1	04/29/2020 00:27	WG1467719
Bromobenzene	U		0.000118	0.00100	1	04/29/2020 00:27	WG1467719
Bromodichloromethane	U		0.000136	0.00100	1	04/29/2020 00:27	WG1467719
Bromoform	U		0.000129	0.00100	1	04/29/2020 00:27	WG1467719
Bromomethane	U		0.000605	0.00500	1	04/29/2020 00:27	WG1467719
n-Butylbenzene	U		0.000157	0.00100	1	04/29/2020 00:27	WG1467719
sec-Butylbenzene	U		0.000125	0.00100	1	04/29/2020 00:27	WG1467719
tert-Butylbenzene	U		0.000127	0.00100	1	04/29/2020 00:27	WG1467719
Carbon tetrachloride	U		0.000128	0.00100	1	04/29/2020 00:27	WG1467719
Chlorobenzene	U		0.000116	0.00100	1	04/29/2020 00:27	WG1467719
Chlorodibromomethane	U		0.000140	0.00100	1	04/29/2020 00:27	WG1467719
Chloroethane	U		0.000192	0.00500	1	04/29/2020 00:27	WG1467719
Chloroform	U		0.000111	0.00500	1	04/29/2020 00:27	WG1467719
Chloromethane	U		0.000960	0.00250	1	04/29/2020 00:27	WG1467719
2-Chlorotoluene	U		0.000106	0.00100	1	04/29/2020 00:27	WG1467719
4-Chlorotoluene	U		0.000114	0.00100	1	04/29/2020 00:27	WG1467719
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	04/29/2020 00:27	WG1467719
1,2-Dibromoethane	U		0.000126	0.00100	1	04/29/2020 00:27	WG1467719
Dibromomethane	U		0.000122	0.00100	1	04/29/2020 00:27	WG1467719
1,2-Dichlorobenzene	U		0.000107	0.00100	1	04/29/2020 00:27	WG1467719
1,3-Dichlorobenzene	U		0.000110	0.00100	1	04/29/2020 00:27	WG1467719
1,4-Dichlorobenzene	U		0.000120	0.00100	1	04/29/2020 00:27	WG1467719
Dichlorodifluoromethane	U		0.000374	0.00500	1	04/29/2020 00:27	WG1467719
1,1-Dichloroethane	U		0.000100	0.00100	1	04/29/2020 00:27	WG1467719
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/29/2020 00:27	WG1467719
1,1-Dichloroethene	U		0.000188	0.00100	1	04/29/2020 00:27	WG1467719
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/29/2020 00:27	WG1467719
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/29/2020 00:27	WG1467719
1,2-Dichloropropane	U		0.000149	0.00100	1	04/29/2020 00:27	WG1467719
1,1-Dichloropropene	U		0.000142	0.00100	1	04/29/2020 00:27	WG1467719
1,3-Dichloropropane	U		0.000110	0.00100	1	04/29/2020 00:27	WG1467719
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/29/2020 00:27	WG1467719
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/29/2020 00:27	WG1467719
2,2-Dichloropropane	U		0.000161	0.00100	1	04/29/2020 00:27	WG1467719
Di-isopropyl ether	U		0.000105	0.00100	1	04/29/2020 00:27	WG1467719
Ethylbenzene	U		0.000137	0.00100	1	04/29/2020 00:27	WG1467719
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/29/2020 00:27	WG1467719
Isopropylbenzene	U		0.000105	0.00100	1	04/29/2020 00:27	WG1467719
p-Isopropyltoluene	U		0.000120	0.00100	1	04/29/2020 00:27	WG1467719
2-Butanone (MEK)	U		0.00119	0.0100	1	04/29/2020 00:27	WG1467719
Methylene Chloride	U		0.000430	0.00500	1	04/29/2020 00:27	WG1467719
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/29/2020 00:27	WG1467719
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/29/2020 00:27	WG1467719
Naphthalene	U		0.00100	0.00500	1	04/29/2020 00:27	WG1467719
n-Propylbenzene	U		0.0000993	0.00100	1	04/29/2020 00:27	WG1467719
Styrene	U		0.000118	0.00100	1	04/29/2020 00:27	WG1467719
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/29/2020 00:27	WG1467719

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 8260C

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/29/2020 00:27	WG1467719
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	04/29/2020 00:27	WG1467719
Tetrachloroethene	U		0.000300	0.00100	1	04/29/2020 00:27	WG1467719
Toluene	U		0.000278	0.00100	1	04/29/2020 00:27	WG1467719
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	04/29/2020 00:27	WG1467719
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	04/29/2020 00:27	WG1467719
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/29/2020 00:27	WG1467719
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/29/2020 00:27	WG1467719
Trichloroethene	U		0.000190	0.00100	1	04/29/2020 00:27	WG1467719
Trichlorofluoromethane	U		0.000160	0.00500	1	04/29/2020 00:27	WG1467719
1,2,3-Trichloropropane	U		0.000237	0.00250	1	04/29/2020 00:27	WG1467719
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/29/2020 00:27	WG1467719
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	04/29/2020 00:27	WG1467719
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/29/2020 00:27	WG1467719
Vinyl chloride	U		0.000234	0.00100	1	04/29/2020 00:27	WG1467719
Xylenes, Total	U		0.000174	0.00300	1	04/29/2020 00:27	WG1467719
(S) Toluene-d8	107			80.0-120		04/29/2020 00:27	WG1467719
(S) 4-Bromofluorobenzene	99.2			77.0-126		04/29/2020 00:27	WG1467719
(S) 1,2-Dichloroethane-d4	108			70.0-130		04/29/2020 00:27	WG1467719

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0000886	0.00100	1	04/30/2020 11:22	WG1467496
Acenaphthylene	U		0.0000921	0.00100	1	04/30/2020 11:22	WG1467496
Anthracene	U		0.0000804	0.00100	1	04/30/2020 11:22	WG1467496
Benzidine	U		0.00374	0.0100	1	04/30/2020 11:22	WG1467496
Benzo(a)anthracene	U		0.000199	0.00100	1	04/30/2020 11:22	WG1467496
Benzo(b)fluoranthene	U		0.000130	0.00100	1	04/30/2020 11:22	WG1467496
Benzo(k)fluoranthene	U		0.000120	0.00100	1	04/30/2020 11:22	WG1467496
Benzo(g,h,i)perylene	U		0.000121	0.00100	1	04/30/2020 11:22	WG1467496
Benzo(a)pyrene	U		0.0000381	0.000200	1	04/30/2020 11:22	WG1467496
Bis(2-chloroethoxy)methane	U		0.000116	0.0100	1	04/30/2020 11:22	WG1467496
Bis(2-chloroethyl)ether	U		0.000137	0.0100	1	04/30/2020 11:22	WG1467496
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100	1	04/30/2020 11:22	WG1467496
4-Bromophenyl-phenylether	U		0.0000877	0.0100	1	04/30/2020 11:22	WG1467496
2-Chloronaphthalene	U		0.0000648	0.00100	1	04/30/2020 11:22	WG1467496
4-Chlorophenyl-phenylether	U		0.0000926	0.0100	1	04/30/2020 11:22	WG1467496
Chrysene	U		0.000130	0.00100	1	04/30/2020 11:22	WG1467496
Dibenz(a,h)anthracene	U		0.0000644	0.000200	1	04/30/2020 11:22	WG1467496
1,2-Dichlorobenzene	U		0.0000713	0.0100	1	04/30/2020 11:22	WG1467496
1,3-Dichlorobenzene	U		0.000132	0.0100	1	04/30/2020 11:22	WG1467496
1,4-Dichlorobenzene	U		0.0000942	0.0100	1	04/30/2020 11:22	WG1467496
3,3-Dichlorobenzidine	U		0.000212	0.0100	1	04/30/2020 11:22	WG1467496
2,4-Dinitrotoluene	U		0.0000983	0.0100	1	04/30/2020 11:22	WG1467496
2,6-Dinitrotoluene	U		0.000250	0.0100	1	04/30/2020 11:22	WG1467496
Fluoranthene	U		0.000102	0.00100	1	04/30/2020 11:22	WG1467496
Fluorene	U		0.0000844	0.00100	1	04/30/2020 11:22	WG1467496
Hexachlorobenzene	U		0.0000755	0.00100	1	04/30/2020 11:22	WG1467496
Hexachloro-1,3-butadiene	U		0.0000968	0.0100	1	04/30/2020 11:22	WG1467496
Hexachlorocyclopentadiene	U		0.0000598	0.0100	1	04/30/2020 11:22	WG1467496
Hexachloroethane	U		0.000127	0.0100	1	04/30/2020 11:22	WG1467496
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100	1	04/30/2020 11:22	WG1467496
Isophorone	U		0.000143	0.0100	1	04/30/2020 11:22	WG1467496
Naphthalene	U		0.000159	0.00100	1	04/30/2020 11:22	WG1467496
Nitrobenzene	U		0.000297	0.0100	1	04/30/2020 11:22	WG1467496



Collected date/time: 04/23/20 00:00

L1212188

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
n-Nitrosodimethylamine	U	<u>JO</u>	0.000998	0.0500	1	04/30/2020 11:22	WG1467496
n-Nitrosodiphenylamine	U		0.00237	0.0100	1	04/30/2020 11:22	WG1467496
n-Nitrosodi-n-propylamine	U		0.000261	0.0100	1	04/30/2020 11:22	WG1467496
Phenanthrene	U		0.000112	0.00100	1	04/30/2020 11:22	WG1467496
Benzylbutyl phthalate	U		0.000765	0.00300	1	04/30/2020 11:22	WG1467496
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300	1	04/30/2020 11:22	WG1467496
Di-n-butyl phthalate	U		0.000453	0.00300	1	04/30/2020 11:22	WG1467496
Diethyl phthalate	U		0.000287	0.00300	1	04/30/2020 11:22	WG1467496
Dimethyl phthalate	U		0.000260	0.00300	1	04/30/2020 11:22	WG1467496
Di-n-octyl phthalate	U		0.000932	0.00300	1	04/30/2020 11:22	WG1467496
Pyrene	U		0.000107	0.00100	1	04/30/2020 11:22	WG1467496
1,2,4-Trichlorobenzene	U		0.0000698	0.0100	1	04/30/2020 11:22	WG1467496
4-Chloro-3-methylphenol	U		0.000131	0.0100	1	04/30/2020 11:22	WG1467496
2-Chlorophenol	U		0.000133	0.0100	1	04/30/2020 11:22	WG1467496
2,4-Dichlorophenol	U		0.000102	0.0100	1	04/30/2020 11:22	WG1467496
2,4-Dimethylphenol	U		0.0000636	0.0100	1	04/30/2020 11:22	WG1467496
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100	1	04/30/2020 11:22	WG1467496
2,4-Dinitrophenol	U		0.00593	0.0100	1	04/30/2020 11:22	WG1467496
2-Nitrophenol	U		0.000117	0.0100	1	04/30/2020 11:22	WG1467496
4-Nitrophenol	U		0.000143	0.0100	1	04/30/2020 11:22	WG1467496
Pentachlorophenol	U		0.000313	0.0100	1	04/30/2020 11:22	WG1467496
Phenol	U		0.00433	0.0100	1	04/30/2020 11:22	WG1467496
2,4,6-Trichlorophenol	U		0.000100	0.0100	1	04/30/2020 11:22	WG1467496
(S) 2-Fluorophenol	29.9			10.0-120		04/30/2020 11:22	WG1467496
(S) Phenol-d5	16.6			10.0-120		04/30/2020 11:22	WG1467496
(S) Nitrobenzene-d5	47.1			10.0-127		04/30/2020 11:22	WG1467496
(S) 2-Fluorobiphenyl	62.4			10.0-130		04/30/2020 11:22	WG1467496
(S) 2,4,6-Tribromophenol	66.3			10.0-155		04/30/2020 11:22	WG1467496
(S) p-Terphenyl-d14	64.8			10.0-128		04/30/2020 11:22	WG1467496

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	04/28/2020 21:44	WG1467719
Acrolein	U		0.00254	0.0500	1	04/28/2020 21:44	WG1467719
Acrylonitrile	U		0.000671	0.0100	1	04/28/2020 21:44	WG1467719
Benzene	U		0.0000941	0.00100	1	04/28/2020 21:44	WG1467719
Bromobenzene	U		0.000118	0.00100	1	04/28/2020 21:44	WG1467719
Bromodichloromethane	U		0.000136	0.00100	1	04/28/2020 21:44	WG1467719
Bromoform	U		0.000129	0.00100	1	04/28/2020 21:44	WG1467719
Bromomethane	U		0.000605	0.00500	1	04/28/2020 21:44	WG1467719
n-Butylbenzene	U		0.000157	0.00100	1	04/28/2020 21:44	WG1467719
sec-Butylbenzene	U		0.000125	0.00100	1	04/28/2020 21:44	WG1467719
tert-Butylbenzene	U		0.000127	0.00100	1	04/28/2020 21:44	WG1467719
Carbon tetrachloride	U		0.000128	0.00100	1	04/28/2020 21:44	WG1467719
Chlorobenzene	U		0.000116	0.00100	1	04/28/2020 21:44	WG1467719
Chlorodibromomethane	U		0.000140	0.00100	1	04/28/2020 21:44	WG1467719
Chloroethane	U		0.000192	0.00500	1	04/28/2020 21:44	WG1467719
Chloroform	U		0.000111	0.00500	1	04/28/2020 21:44	WG1467719
Chloromethane	U		0.000960	0.00250	1	04/28/2020 21:44	WG1467719
2-Chlorotoluene	U		0.000106	0.00100	1	04/28/2020 21:44	WG1467719
4-Chlorotoluene	U		0.000114	0.00100	1	04/28/2020 21:44	WG1467719
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	04/28/2020 21:44	WG1467719
1,2-Dibromoethane	U		0.000126	0.00100	1	04/28/2020 21:44	WG1467719
Dibromomethane	U		0.000122	0.00100	1	04/28/2020 21:44	WG1467719
1,2-Dichlorobenzene	U		0.000107	0.00100	1	04/28/2020 21:44	WG1467719
1,3-Dichlorobenzene	U		0.000110	0.00100	1	04/28/2020 21:44	WG1467719
1,4-Dichlorobenzene	U		0.000120	0.00100	1	04/28/2020 21:44	WG1467719
Dichlorodifluoromethane	U		0.000374	0.00500	1	04/28/2020 21:44	WG1467719
1,1-Dichloroethane	U		0.000100	0.00100	1	04/28/2020 21:44	WG1467719
1,2-Dichloroethane	U		0.0000819	0.00100	1	04/28/2020 21:44	WG1467719
1,1-Dichloroethene	U		0.000188	0.00100	1	04/28/2020 21:44	WG1467719
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	04/28/2020 21:44	WG1467719
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	04/28/2020 21:44	WG1467719
1,2-Dichloropropane	U		0.000149	0.00100	1	04/28/2020 21:44	WG1467719
1,1-Dichloropropene	U		0.000142	0.00100	1	04/28/2020 21:44	WG1467719
1,3-Dichloropropane	U		0.000110	0.00100	1	04/28/2020 21:44	WG1467719
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	04/28/2020 21:44	WG1467719
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	04/28/2020 21:44	WG1467719
2,2-Dichloropropane	U		0.000161	0.00100	1	04/28/2020 21:44	WG1467719
Di-isopropyl ether	U		0.000105	0.00100	1	04/28/2020 21:44	WG1467719
Ethylbenzene	U		0.000137	0.00100	1	04/28/2020 21:44	WG1467719
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	04/28/2020 21:44	WG1467719
Isopropylbenzene	U		0.000105	0.00100	1	04/28/2020 21:44	WG1467719
p-Isopropyltoluene	U		0.000120	0.00100	1	04/28/2020 21:44	WG1467719
2-Butanone (MEK)	U		0.00119	0.0100	1	04/28/2020 21:44	WG1467719
Methylene Chloride	U		0.000430	0.00500	1	04/28/2020 21:44	WG1467719
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	04/28/2020 21:44	WG1467719
Methyl tert-butyl ether	U		0.000101	0.00100	1	04/28/2020 21:44	WG1467719
Naphthalene	U		0.00100	0.00500	1	04/28/2020 21:44	WG1467719
n-Propylbenzene	U		0.0000993	0.00100	1	04/28/2020 21:44	WG1467719
Styrene	U		0.000118	0.00100	1	04/28/2020 21:44	WG1467719
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	04/28/2020 21:44	WG1467719
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	04/28/2020 21:44	WG1467719
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	04/28/2020 21:44	WG1467719
Tetrachloroethene	U		0.000300	0.00100	1	04/28/2020 21:44	WG1467719
Toluene	U		0.000278	0.00100	1	04/28/2020 21:44	WG1467719
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	04/28/2020 21:44	WG1467719
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	04/28/2020 21:44	WG1467719

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 04/23/20 00:00

L1212188

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000149	0.00100	1	04/28/2020 21:44	WG1467719
1,1,2-Trichloroethane	U		0.000158	0.00100	1	04/28/2020 21:44	WG1467719
Trichloroethene	U		0.000190	0.00100	1	04/28/2020 21:44	WG1467719
Trichlorofluoromethane	U		0.000160	0.00500	1	04/28/2020 21:44	WG1467719
1,2,3-Trichloropropane	U		0.000237	0.00250	1	04/28/2020 21:44	WG1467719
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	04/28/2020 21:44	WG1467719
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 21:44	WG1467719
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	04/28/2020 21:44	WG1467719
Vinyl chloride	U		0.000234	0.00100	1	04/28/2020 21:44	WG1467719
Xylenes, Total	U		0.000174	0.00300	1	04/28/2020 21:44	WG1467719
(S) Toluene-d8	106			80.0-120		04/28/2020 21:44	WG1467719
(S) 4-Bromofluorobenzene	101			77.0-126		04/28/2020 21:44	WG1467719
(S) 1,2-Dichloroethane-d4	110			70.0-130		04/28/2020 21:44	WG1467719

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3523556-1 04/30/20 12:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Lead,Dissolved	U		0.00249	0.00500

Laboratory Control Sample (LCS)

(LCS) R3523556-2 04/30/20 12:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead,Dissolved	0.0500	0.0522	104	80.0-120	

L1212188-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1212188-02 04/30/20 12:54 • (MS) R3523556-4 04/30/20 13:01 • (MSD) R3523556-5 04/30/20 13:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead,Dissolved	0.0500	U	0.0506	0.0534	101	107	1	75.0-125			5.40	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3522532-2 04/27/20 22:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	0.000112	U	0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3522532-2 04/27/20 22:25

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,3-Trimethylbenzene	U		0.000104	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	103			80.0-120
(S) 4-Bromofluorobenzene	105			77.0-126
(S) 1,2-Dichloroethane-d4	106			70.0-130

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3522532-1 04/27/20 21:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0263	105	19.0-160	
Acrolein	0.0250	0.00982	39.3	10.0-160	
Acrylonitrile	0.0250	0.0250	100	55.0-149	
Benzene	0.00500	0.00490	98.0	70.0-123	



Laboratory Control Sample (LCS)

(LCS) R3522532-1 04/27/20 21:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Bromobenzene	0.00500	0.00510	102	73.0-121	
Bromodichloromethane	0.00500	0.00498	99.6	75.0-120	
Bromoform	0.00500	0.00442	88.4	68.0-132	
Bromomethane	0.00500	0.00545	109	10.0-160	
n-Butylbenzene	0.00500	0.00516	103	73.0-125	
sec-Butylbenzene	0.00500	0.00495	99.0	75.0-125	
tert-Butylbenzene	0.00500	0.00478	95.6	76.0-124	
Carbon tetrachloride	0.00500	0.00542	108	68.0-126	
Chlorobenzene	0.00500	0.00478	95.6	80.0-121	
Chlorodibromomethane	0.00500	0.00473	94.6	77.0-125	
Chloroethane	0.00500	0.00607	121	47.0-150	
Chloroform	0.00500	0.00494	98.8	73.0-120	
Chloromethane	0.00500	0.00562	112	41.0-142	
2-Chlorotoluene	0.00500	0.00507	101	76.0-123	
4-Chlorotoluene	0.00500	0.00490	98.0	75.0-122	
1,2-Dibromo-3-Chloropropane	0.00500	0.00469	93.8	58.0-134	
1,2-Dibromoethane	0.00500	0.00480	96.0	80.0-122	
Dibromomethane	0.00500	0.00501	100	80.0-120	
1,2-Dichlorobenzene	0.00500	0.00510	102	79.0-121	
1,3-Dichlorobenzene	0.00500	0.00533	107	79.0-120	
1,4-Dichlorobenzene	0.00500	0.00533	107	79.0-120	
Dichlorodifluoromethane	0.00500	0.00695	139	51.0-149	
1,1-Dichloroethane	0.00500	0.00499	99.8	70.0-126	
1,2-Dichloroethane	0.00500	0.00542	108	70.0-128	
1,1-Dichloroethene	0.00500	0.00477	95.4	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00493	98.6	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00476	95.2	73.0-120	
1,2-Dichloropropane	0.00500	0.00476	95.2	77.0-125	
1,1-Dichloropropene	0.00500	0.00505	101	74.0-126	
1,3-Dichloropropane	0.00500	0.00452	90.4	80.0-120	
cis-1,3-Dichloropropene	0.00500	0.00466	93.2	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00494	98.8	78.0-124	
2,2-Dichloropropane	0.00500	0.00546	109	58.0-130	
Di-isopropyl ether	0.00500	0.00497	99.4	58.0-138	
Ethylbenzene	0.00500	0.00467	93.4	79.0-123	
Hexachloro-1,3-butadiene	0.00500	0.00486	97.2	54.0-138	
Isopropylbenzene	0.00500	0.00470	94.0	76.0-127	
p-Isopropyltoluene	0.00500	0.00499	99.8	76.0-125	
2-Butanone (MEK)	0.0250	0.0249	99.6	44.0-160	
Methylene Chloride	0.00500	0.00531	106	67.0-120	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Laboratory Control Sample (LCS)

(LCS) R3522532-1 04/27/20 21:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Methyl-2-pentanone (MIBK)	0.0250	0.0247	98.8	68.0-142	
Methyl tert-butyl ether	0.00500	0.00507	101	68.0-125	
Naphthalene	0.00500	0.00493	98.6	54.0-135	
n-Propylbenzene	0.00500	0.00496	99.2	77.0-124	
Styrene	0.00500	0.00466	93.2	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00466	93.2	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00515	103	65.0-130	
Tetrachloroethene	0.00500	0.00472	94.4	72.0-132	
Toluene	0.00500	0.00444	88.8	79.0-120	
1,1,2-Trichlorotrifluoroethane	0.00500	0.00554	111	69.0-132	
1,2,3-Trichlorobenzene	0.00500	0.00523	105	50.0-138	
1,2,4-Trichlorobenzene	0.00500	0.00494	98.8	57.0-137	
1,1,1-Trichloroethane	0.00500	0.00534	107	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00463	92.6	80.0-120	
Trichloroethene	0.00500	0.00497	99.4	78.0-124	
Trichlorofluoromethane	0.00500	0.00562	112	59.0-147	
1,2,3-Trichloropropane	0.00500	0.00552	110	73.0-130	
1,2,3-Trimethylbenzene	0.00500	0.00491	98.2	77.0-120	
1,2,4-Trimethylbenzene	0.00500	0.00475	95.0	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00502	100	76.0-122	
Vinyl chloride	0.00500	0.00567	113	67.0-131	
Xylenes, Total	0.0150	0.0140	93.3	79.0-123	
(S) Toluene-d8			100	80.0-120	
(S) 4-Bromofluorobenzene			94.4	77.0-126	
(S) 1,2-Dichloroethane-d4			110	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1212188-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1212188-02 04/28/20 07:03 • (MS) R3522532-3 04/28/20 07:24 • (MSD) R3522532-4 04/28/20 07:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Acetone	0.0250	U	0.0307	0.0318	123	127	1	10.0-160			3.52	35
Acrolein	0.0250	U	0.0147	0.0179	58.8	71.6	1	10.0-160			19.6	39
Acrylonitrile	0.0250	U	0.0282	0.0294	113	118	1	21.0-160			4.17	32
Benzene	0.00500	U	0.00554	0.00528	111	106	1	17.0-158			4.81	27
Bromobenzene	0.00500	U	0.00538	0.00537	108	107	1	30.0-149			0.186	28
Bromodichloromethane	0.00500	U	0.00581	0.00583	116	117	1	31.0-150			0.344	27
Bromoform	0.00500	U	0.00547	0.00553	109	111	1	29.0-150			1.09	29
Bromomethane	0.00500	U	0.00577	0.00573	115	115	1	10.0-160			0.696	38



L1212188-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1212188-02 04/28/20 07:03 • (MS) R3522532-3 04/28/20 07:24 • (MSD) R3522532-4 04/28/20 07:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
n-Butylbenzene	0.00500	U	0.00552	0.00539	110	108	1	31.0-150			2.38	30
sec-Butylbenzene	0.00500	U	0.00541	0.00483	108	96.6	1	33.0-155			11.3	29
tert-Butylbenzene	0.00500	U	0.00525	0.00502	105	100	1	34.0-153			4.48	28
Carbon tetrachloride	0.00500	U	0.00596	0.00537	119	107	1	23.0-159			10.4	28
Chlorobenzene	0.00500	U	0.00587	0.00563	117	113	1	33.0-152			4.17	27
Chlorodibromomethane	0.00500	U	0.00581	0.00585	116	117	1	37.0-149			0.686	27
Chloroethane	0.00500	U	0.00655	0.00610	131	122	1	10.0-160			7.11	30
Chloroform	0.00500	U	0.00591	0.00593	118	119	1	29.0-154			0.338	28
Chloromethane	0.00500	U	0.00570	0.00534	114	107	1	10.0-160			6.52	29
2-Chlorotoluene	0.00500	U	0.00566	0.00566	113	113	1	32.0-153			0.000	28
4-Chlorotoluene	0.00500	U	0.00532	0.00536	106	107	1	32.0-150			0.749	28
1,2-Dibromo-3-Chloropropane	0.00500	U	0.00535	0.00590	107	118	1	22.0-151			9.78	34
1,2-Dibromoethane	0.00500	U	0.00579	0.00564	116	113	1	34.0-147			2.62	27
Dibromomethane	0.00500	U	0.00566	0.00580	113	116	1	30.0-151			2.44	27
1,2-Dichlorobenzene	0.00500	U	0.00565	0.00592	113	118	1	34.0-149			4.67	28
1,3-Dichlorobenzene	0.00500	U	0.00576	0.00586	115	117	1	36.0-146			1.72	27
1,4-Dichlorobenzene	0.00500	U	0.00563	0.00570	113	114	1	35.0-142			1.24	27
Dichlorodifluoromethane	0.00500	U	0.00709	0.00588	142	118	1	10.0-160			18.7	29
1,1-Dichloroethane	0.00500	U	0.00579	0.00538	116	108	1	25.0-158			7.34	27
1,2-Dichloroethane	0.00500	U	0.00596	0.00604	119	121	1	29.0-151			1.33	27
1,1-Dichloroethene	0.00500	U	0.00525	0.00480	105	96.0	1	11.0-160			8.96	29
cis-1,2-Dichloroethene	0.00500	U	0.00568	0.00577	114	115	1	10.0-160			1.57	27
trans-1,2-Dichloroethene	0.00500	U	0.00556	0.00497	111	99.4	1	17.0-153			11.2	27
1,2-Dichloropropane	0.00500	U	0.00566	0.00543	113	109	1	30.0-156			4.15	27
1,1-Dichloropropene	0.00500	U	0.00563	0.00480	113	96.0	1	25.0-158			15.9	27
1,3-Dichloropropane	0.00500	U	0.00538	0.00569	108	114	1	38.0-147			5.60	27
cis-1,3-Dichloropropene	0.00500	U	0.00517	0.00513	103	103	1	34.0-149			0.777	28
trans-1,3-Dichloropropene	0.00500	U	0.00575	0.00571	115	114	1	32.0-149			0.698	28
2,2-Dichloropropane	0.00500	U	0.00632	0.00561	126	112	1	24.0-152			11.9	29
Di-isopropyl ether	0.00500	U	0.00589	0.00590	118	118	1	21.0-160			0.170	28
Ethylbenzene	0.00500	U	0.00573	0.00534	115	107	1	30.0-155			7.05	27
Hexachloro-1,3-butadiene	0.00500	U	0.00504	0.00468	101	93.6	1	20.0-154			7.41	34
Isopropylbenzene	0.00500	U	0.00560	0.00492	112	98.4	1	28.0-157			12.9	27
p-Isopropyltoluene	0.00500	U	0.00530	0.00489	106	97.8	1	30.0-154			8.05	29
2-Butanone (MEK)	0.0250	U	0.0290	0.0304	116	122	1	10.0-160			4.71	32
Methylene Chloride	0.00500	U	0.00590	0.00581	118	116	1	23.0-144			1.54	28
4-Methyl-2-pentanone (MIBK)	0.0250	U	0.0299	0.0311	120	124	1	29.0-160			3.93	29
Methyl tert-butyl ether	0.00500	U	0.00595	0.00609	119	122	1	28.0-150			2.33	29
Naphthalene	0.00500	U	0.00514	0.00578	103	116	1	12.0-156			11.7	35
n-Propylbenzene	0.00500	U	0.00535	0.00491	107	98.2	1	31.0-154			8.58	28

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1212188-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1212188-02 04/28/20 07:03 • (MS) R3522532-3 04/28/20 07:24 • (MSD) R3522532-4 04/28/20 07:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Styrene	0.00500	U	0.00574	0.00544	115	109	1	33.0-155			5.37	28
1,1,1,2-Tetrachloroethane	0.00500	U	0.00535	0.00586	107	117	1	36.0-151			9.10	29
1,1,2,2-Tetrachloroethane	0.00500	U	0.00566	0.00615	113	123	1	33.0-150			8.30	28
Tetrachloroethene	0.00500	U	0.00566	0.00482	113	96.4	1	10.0-160			16.0	27
Toluene	0.00500	U	0.00535	0.00478	107	95.6	1	26.0-154			11.3	28
1,1,2-Trichlorotrifluoroethane	0.00500	U	0.00628	0.00470	126	94.0	1	23.0-160			28.8	30
1,2,3-Trichlorobenzene	0.00500	U	0.00526	0.00571	105	114	1	17.0-150			8.20	36
1,2,4-Trichlorobenzene	0.00500	U	0.00548	0.00568	110	114	1	24.0-150			3.58	33
1,1,1-Trichloroethane	0.00500	U	0.00597	0.00520	119	104	1	23.0-160			13.8	28
1,1,2-Trichloroethane	0.00500	U	0.00526	0.00559	105	112	1	35.0-147			6.08	27
Trichloroethene	0.00500	U	0.00569	0.00470	114	94.0	1	10.0-160			19.1	25
Trichlorofluoromethane	0.00500	U	0.00675	0.00505	135	101	1	17.0-160			28.8	31
1,2,3-Trichloropropane	0.00500	U	0.00562	0.00593	112	119	1	34.0-151			5.37	29
1,2,3-Trimethylbenzene	0.00500	U	0.00540	0.00545	108	109	1	32.0-149			0.922	28
1,2,4-Trimethylbenzene	0.00500	U	0.00528	0.00506	106	101	1	26.0-154			4.26	27
1,3,5-Trimethylbenzene	0.00500	U	0.00533	0.00521	107	104	1	28.0-153			2.28	27
Vinyl chloride	0.00500	U	0.00619	0.00526	124	105	1	10.0-160			16.2	27
Xylenes, Total	0.0150	U	0.0165	0.0157	110	105	1	29.0-154			4.97	28
(S) Toluene-d8					104	105		80.0-120				
(S) 4-Bromofluorobenzene					97.2	97.0		77.0-126				
(S) 1,2-Dichloroethane-d4					107	111		70.0-130				

1

Cp

2

Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc



L1212188-13,14

Method Blank (MB)

(MB) R3523208-3 04/28/20 21:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Method Blank (MB)

(MB) R3523208-3 04/28/20 21:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,3-Trimethylbenzene	U		0.000104	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	105			80.0-120
(S) 4-Bromofluorobenzene	103			77.0-126
(S) 1,2-Dichloroethane-d4	110			70.0-130

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R3523208-1 04/28/20 20:08 • (LCSD) R3523208-2 04/28/20 20:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0305	0.0314	122	126	19.0-160			2.91	27
Acrolein	0.0250	0.0137	0.0141	54.8	56.4	10.0-160			2.88	26
Acrylonitrile	0.0250	0.0255	0.0252	102	101	55.0-149			1.18	20
Benzene	0.00500	0.00486	0.00482	97.2	96.4	70.0-123			0.826	20



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

(LCS) R3523208-1 04/28/20 20:08 • (LCSD) R3523208-2 04/28/20 20:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromobenzene	0.00500	0.00484	0.00450	96.8	90.0	73.0-121			7.28	20
Bromodichloromethane	0.00500	0.00489	0.00499	97.8	99.8	75.0-120			2.02	20
Bromoform	0.00500	0.00457	0.00460	91.4	92.0	68.0-132			0.654	20
Bromomethane	0.00500	0.00534	0.00535	107	107	10.0-160			0.187	25
n-Butylbenzene	0.00500	0.00520	0.00468	104	93.6	73.0-125			10.5	20
sec-Butylbenzene	0.00500	0.00510	0.00465	102	93.0	75.0-125			9.23	20
tert-Butylbenzene	0.00500	0.00488	0.00464	97.6	92.8	76.0-124			5.04	20
Carbon tetrachloride	0.00500	0.00539	0.00560	108	112	68.0-126			3.82	20
Chlorobenzene	0.00500	0.00495	0.00508	99.0	102	80.0-121			2.59	20
Chlorodibromomethane	0.00500	0.00495	0.00492	99.0	98.4	77.0-125			0.608	20
Chloroethane	0.00500	0.00602	0.00619	120	124	47.0-150			2.78	20
Chloroform	0.00500	0.00532	0.00525	106	105	73.0-120			1.32	20
Chloromethane	0.00500	0.00577	0.00550	115	110	41.0-142			4.79	20
2-Chlorotoluene	0.00500	0.00526	0.00501	105	100	76.0-123			4.87	20
4-Chlorotoluene	0.00500	0.00519	0.00472	104	94.4	75.0-122			9.49	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00512	0.00439	102	87.8	58.0-134			15.4	20
1,2-Dibromoethane	0.00500	0.00484	0.00499	96.8	99.8	80.0-122			3.05	20
Dibromomethane	0.00500	0.00518	0.00496	104	99.2	80.0-120			4.34	20
1,2-Dichlorobenzene	0.00500	0.00525	0.00474	105	94.8	79.0-121			10.2	20
1,3-Dichlorobenzene	0.00500	0.00557	0.00512	111	102	79.0-120			8.42	20
1,4-Dichlorobenzene	0.00500	0.00539	0.00494	108	98.8	79.0-120			8.71	20
Dichlorodifluoromethane	0.00500	0.00690	0.00699	138	140	51.0-149			1.30	20
1,1-Dichloroethane	0.00500	0.00527	0.00533	105	107	70.0-126			1.13	20
1,2-Dichloroethane	0.00500	0.00525	0.00531	105	106	70.0-128			1.14	20
1,1-Dichloroethene	0.00500	0.00504	0.00470	101	94.0	71.0-124			6.98	20
cis-1,2-Dichloroethene	0.00500	0.00510	0.00501	102	100	73.0-120			1.78	20
trans-1,2-Dichloroethene	0.00500	0.00505	0.00493	101	98.6	73.0-120			2.40	20
1,2-Dichloropropane	0.00500	0.00518	0.00501	104	100	77.0-125			3.34	20
1,1-Dichloropropene	0.00500	0.00481	0.00489	96.2	97.8	74.0-126			1.65	20
1,3-Dichloropropane	0.00500	0.00473	0.00491	94.6	98.2	80.0-120			3.73	20
cis-1,3-Dichloropropene	0.00500	0.00468	0.00433	93.6	86.6	80.0-123			7.77	20
trans-1,3-Dichloropropene	0.00500	0.00504	0.00507	101	101	78.0-124			0.593	20
2,2-Dichloropropane	0.00500	0.00553	0.00558	111	112	58.0-130			0.900	20
Di-isopropyl ether	0.00500	0.00521	0.00506	104	101	58.0-138			2.92	20
Ethylbenzene	0.00500	0.00508	0.00522	102	104	79.0-123			2.72	20
Hexachloro-1,3-butadiene	0.00500	0.00485	0.00446	97.0	89.2	54.0-138			8.38	20
Isopropylbenzene	0.00500	0.00481	0.00501	96.2	100	76.0-127			4.07	20
p-Isopropyltoluene	0.00500	0.00503	0.00454	101	90.8	76.0-125			10.2	20
2-Butanone (MEK)	0.0250	0.0260	0.0251	104	100	44.0-160			3.52	20
Methylene Chloride	0.00500	0.00547	0.00553	109	111	67.0-120			1.09	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

(LCS) R3523208-1 04/28/20 20:08 • (LCSD) R3523208-2 04/28/20 20:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.0250	0.0259	0.0271	104	108	68.0-142			4.53	20
Methyl tert-butyl ether	0.00500	0.00517	0.00526	103	105	68.0-125			1.73	20
Naphthalene	0.00500	0.00469	0.00397	93.8	79.4	54.0-135			16.6	20
n-Propylbenzene	0.00500	0.00494	0.00469	98.8	93.8	77.0-124			5.19	20
Styrene	0.00500	0.00473	0.00515	94.6	103	73.0-130			8.50	20
1,1,1,2-Tetrachloroethane	0.00500	0.00521	0.00532	104	106	75.0-125			2.09	20
1,1,2,2-Tetrachloroethane	0.00500	0.00525	0.00464	105	92.8	65.0-130			12.3	20
Tetrachloroethene	0.00500	0.00462	0.00505	92.4	101	72.0-132			8.89	20
Toluene	0.00500	0.00457	0.00488	91.4	97.6	79.0-120			6.56	20
1,1,2-Trichlorotrifluoroethane	0.00500	0.00572	0.00509	114	102	69.0-132			11.7	20
1,2,3-Trichlorobenzene	0.00500	0.00478	0.00404	95.6	80.8	50.0-138			16.8	20
1,2,4-Trichlorobenzene	0.00500	0.00523	0.00440	105	88.0	57.0-137			17.2	20
1,1,1-Trichloroethane	0.00500	0.00555	0.00554	111	111	73.0-124			0.180	20
1,1,2-Trichloroethane	0.00500	0.00499	0.00478	99.8	95.6	80.0-120			4.30	20
Trichloroethene	0.00500	0.00476	0.00476	95.2	95.2	78.0-124			0.000	20
Trichlorofluoromethane	0.00500	0.00587	0.00584	117	117	59.0-147			0.512	20
1,2,3-Trichloropropane	0.00500	0.00558	0.00528	112	106	73.0-130			5.52	20
1,2,3-Trimethylbenzene	0.00500	0.00510	0.00456	102	91.2	77.0-120			11.2	20
1,2,4-Trimethylbenzene	0.00500	0.00496	0.00450	99.2	90.0	76.0-121			9.73	20
1,3,5-Trimethylbenzene	0.00500	0.00502	0.00463	100	92.6	76.0-122			8.08	20
Vinyl chloride	0.00500	0.00587	0.00585	117	117	67.0-131			0.341	20
Xylenes, Total	0.0150	0.0143	0.0155	95.3	103	79.0-123			8.05	20
(S) Toluene-d8				104	110	80.0-120				
(S) 4-Bromofluorobenzene				97.3	103	77.0-126				
(S) 1,2-Dichloroethane-d4				110	111	70.0-130				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3522869-2 04/28/20 19:33

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Anthracene	U		0.0000804	0.00100
Benzidine	U		0.00374	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.000200
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.000200
1,2-Dichlorobenzene	U		0.0000713	0.0100
1,3-Dichlorobenzene	U		0.000132	0.0100
1,4-Dichlorobenzene	U		0.0000942	0.0100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodimethylamine	U		0.000998	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3522869-2 04/28/20 19:33

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) Nitrobenzene-d5	40.0			10.0-127
(S) 2-Fluorobiphenyl	52.1			10.0-130
(S) p-Terphenyl-d14	55.9			10.0-128
(S) Phenol-d5	16.8			10.0-120
(S) 2-Fluorophenol	26.3			10.0-120
(S) 2,4,6-Tribromophenol	48.6			10.0-155

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3522869-1 04/28/20 18:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,2-Oxybis(1-Chloropropane)	0.0500	0.0231	46.2	28.0-120	
Acenaphthene	0.0500	0.0258	51.6	41.0-120	
Acenaphthylene	0.0500	0.0282	56.4	43.0-120	
Anthracene	0.0500	0.0267	53.4	45.0-120	
Benzidine	0.100	0.0151	15.1	10.0-120	
Benzo(a)anthracene	0.0500	0.0283	56.6	47.0-120	
Benzo(b)fluoranthene	0.0500	0.0267	53.4	46.0-120	
Benzo(k)fluoranthene	0.0500	0.0253	50.6	46.0-120	
Benzo(g,h,i)perylene	0.0500	0.0259	51.8	48.0-121	
Benzo(a)pyrene	0.0500	0.0273	54.6	47.0-120	
Bis(2-chlorethoxy)methane	0.0500	0.0232	46.4	33.0-120	

Laboratory Control Sample (LCS)

(LCS) R3522869-1 04/28/20 18:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Bis(2-chloroethyl)ether	0.0500	0.0248	49.6	23.0-120	
4-Bromophenyl-phenylether	0.0500	0.0287	57.4	45.0-120	
2-Chloronaphthalene	0.0500	0.0272	54.4	37.0-120	
4-Chlorophenyl-phenylether	0.0500	0.0274	54.8	44.0-120	
Chrysene	0.0500	0.0265	53.0	48.0-120	
Dibenz(a,h)anthracene	0.0500	0.0259	51.8	47.0-120	
1,2-Dichlorobenzene	0.0500	0.0249	49.8	20.0-120	
1,3-Dichlorobenzene	0.0500	0.0252	50.4	17.0-120	
1,4-Dichlorobenzene	0.0500	0.0248	49.6	18.0-120	
3,3-Dichlorobenzidine	0.100	0.0584	58.4	44.0-120	
2,4-Dinitrotoluene	0.0500	0.0294	58.8	49.0-124	
2,6-Dinitrotoluene	0.0500	0.0285	57.0	46.0-120	
Fluoranthene	0.0500	0.0269	53.8	51.0-120	
Fluorene	0.0500	0.0260	52.0	47.0-120	
Hexachlorobenzene	0.0500	0.0306	61.2	44.0-120	
Hexachloro-1,3-butadiene	0.0500	0.0256	51.2	19.0-120	
Hexachlorocyclopentadiene	0.0500	0.0219	43.8	15.0-120	
Hexachloroethane	0.0500	0.0233	46.6	15.0-120	
Indeno(1,2,3-cd)pyrene	0.0500	0.0256	51.2	49.0-122	
Isophorone	0.0500	0.0227	45.4	36.0-120	
Naphthalene	0.0500	0.0236	47.2	27.0-120	
Nitrobenzene	0.0500	0.0229	45.8	27.0-120	
n-Nitrosodimethylamine	0.0500	0.0126	25.2	10.0-120	
n-Nitrosodiphenylamine	0.0500	0.0279	55.8	47.0-120	
n-Nitrosodi-n-propylamine	0.0500	0.0224	44.8	31.0-120	
Phenanthrene	0.0500	0.0267	53.4	46.0-120	
Benzylbutyl phthalate	0.0500	0.0259	51.8	43.0-121	
Bis(2-ethylhexyl)phthalate	0.0500	0.0226	45.2	43.0-122	
Di-n-butyl phthalate	0.0500	0.0261	52.2	49.0-121	
Diethyl phthalate	0.0500	0.0262	52.4	48.0-122	
Dimethyl phthalate	0.0500	0.0280	56.0	48.0-120	
Di-n-octyl phthalate	0.0500	0.0216	43.2	42.0-125	
Pyrene	0.0500	0.0275	55.0	47.0-120	
1,2,4-Trichlorobenzene	0.0500	0.0255	51.0	24.0-120	
4-Chloro-3-methylphenol	0.0500	0.0220	44.0	40.0-120	
2-Chlorophenol	0.0500	0.0222	44.4	25.0-120	
2,4-Dichlorophenol	0.0500	0.0240	48.0	36.0-120	
2,4-Dimethylphenol	0.0500	0.0249	49.8	33.0-120	
4,6-Dinitro-2-methylphenol	0.0500	0.0283	56.6	38.0-138	
2,4-Dinitrophenol	0.0500	0.0277	55.4	10.0-120	

1

Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Laboratory Control Sample (LCS)

(LCS) R3522869-1 04/28/20 18:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2-Nitrophenol	0.0500	0.0259	51.8	31.0-120	
4-Nitrophenol	0.0500	0.0114	22.8	10.0-120	
Pentachlorophenol	0.0500	0.0342	68.4	23.0-120	
Phenol	0.0500	0.0104	20.8	10.0-120	
2,4,6-Trichlorophenol	0.0500	0.0283	56.6	42.0-120	
(S) Nitrobenzene-d5			35.6	10.0-127	
(S) 2-Fluorobiphenyl			60.5	10.0-130	
(S) p-Terphenyl-d14			57.7	10.0-128	
(S) Phenol-d5			20.8	10.0-120	
(S) 2-Fluorophenol			33.4	10.0-120	
(S) 2,4,6-Tribromophenol			65.0	10.0-155	

L1212283-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1212283-03 04/28/20 22:29 • (MS) R3522876-1 04/28/20 22:50 • (MSD) R3522876-2 04/28/20 23:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,2-Oxybis(1-Chloropropane)	0.0500	U	0.0281	0.0256	56.2	51.2	1	18.0-120			9.31	34
Acenaphthene	0.0500	U	0.0288	0.0263	57.6	52.6	1	28.0-120			9.07	25
Acenaphthylene	0.0500	U	0.0317	0.0288	63.4	57.6	1	31.0-121			9.59	25
Anthracene	0.0500	U	0.0297	0.0290	59.4	58.0	1	36.0-120			2.39	23
Benzidine	0.100	U	U	U	0.000	0.000	1	10.0-120	J6	J6	0.000	37
Benzo(a)anthracene	0.0500	U	0.0243	0.0246	48.6	49.2	1	39.0-120			1.23	23
Benzo(b)fluoranthene	0.0500	U	0.0207	0.0206	41.4	41.2	1	37.0-120			0.484	23
Benzo(k)fluoranthene	0.0500	U	0.0205	0.0202	41.0	40.4	1	37.0-120			1.47	26
Benzo(g,h,i)perylene	0.0500	U	0.0188	0.0189	37.6	37.8	1	37.0-123			0.531	25
Benzo(a)pyrene	0.0500	U	0.0214	0.0212	42.8	42.4	1	37.0-120			0.939	24
Bis(2-chlorethoxy)methane	0.0500	U	0.0266	0.0243	53.2	48.6	1	17.0-120			9.04	31
Bis(2-chloroethyl)ether	0.0500	U	0.0286	0.0260	57.2	52.0	1	14.0-120			9.52	33
4-Bromophenyl-phenylether	0.0500	U	0.0287	0.0277	57.4	55.4	1	37.0-120			3.55	24
2-Chloronaphthalene	0.0500	U	0.0297	0.0265	59.4	53.0	1	29.0-120			11.4	28
4-Chlorophenyl-phenylether	0.0500	U	0.0297	0.0268	59.4	53.6	1	36.0-120			10.3	23
Chrysene	0.0500	U	0.0218	0.0219	43.6	43.8	1	38.0-120			0.458	23
Dibenz(a,h)anthracene	0.0500	U	0.0195	0.0194	39.0	38.8	1	36.0-121			0.514	24
1,2-Dichlorobenzene	0.0500	U	0.0287	0.0258	57.4	51.6	1	18.0-120			10.6	40
1,3-Dichlorobenzene	0.0500	U	0.0278	0.0253	55.6	50.6	1	15.0-120			9.42	40
1,4-Dichlorobenzene	0.0500	U	0.0283	0.0261	56.6	52.2	1	17.0-120			8.09	40
3,3-Dichlorobenzidine	0.100	U	0.0605	0.0623	60.5	62.3	1	10.0-134			2.93	30
2,4-Dinitrotoluene	0.0500	U	0.0351	0.0342	70.2	68.4	1	39.0-125			2.60	25

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1212188-04,10,11

L1212283-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1212283-03 04/28/20 22:29 • (MS) R3522876-1 04/28/20 22:50 • (MSD) R3522876-2 04/28/20 23:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.0500	U	0.0326	0.0307	65.2	61.4	1	36.0-120			6.00	27
Fluoranthene	0.0500	U	0.0273	0.0277	54.6	55.4	1	41.0-121			1.45	22
Fluorene	0.0500	U	0.0302	0.0279	60.4	55.8	1	37.0-120			7.92	24
Hexachlorobenzene	0.0500	U	0.0254	0.0250	50.8	50.0	1	35.0-122			1.59	24
Hexachloro-1,3-butadiene	0.0500	U	0.0256	0.0225	51.2	45.0	1	12.0-120			12.9	34
Hexachlorocyclopentadiene	0.0500	U	0.0187	0.0141	37.4	28.2	1	10.0-120			28.0	33
Hexachloroethane	0.0500	U	0.0268	0.0248	53.6	49.6	1	10.0-120			7.75	40
Indeno(1,2,3-cd)pyrene	0.0500	U	0.0192	0.0190	38.4	38.0	1	38.0-125			1.05	24
Isophorone	0.0500	U	0.0266	0.0243	53.2	48.6	1	21.0-120			9.04	27
Naphthalene	0.0500	U	0.0260	0.0238	52.0	47.6	1	10.0-120			8.84	31
Nitrobenzene	0.0500	U	0.0266	0.0246	53.2	49.2	1	12.0-120			7.81	30
n-Nitrosodimethylamine	0.0500	U	0.0175	0.0168	35.0	33.6	1	10.0-120			4.08	40
n-Nitrosodiphenylamine	0.0500	U	0.0316	0.0309	63.2	61.8	1	37.0-120			2.24	24
n-Nitrosodi-n-propylamine	0.0500	U	0.0283	0.0246	56.6	49.2	1	16.0-120			14.0	30
Phenanthrene	0.0500	U	0.0287	0.0287	57.4	57.4	1	33.0-120			0.000	22
Benzylbutyl phthalate	0.0500	U	0.0255	0.0253	51.0	50.6	1	34.0-126			0.787	24
Bis(2-ethylhexyl)phthalate	0.0500	U	0.0185	0.0183	37.0	36.6	1	33.0-126			1.09	25
Di-n-butyl phthalate	0.0500	U	0.0305	0.0304	61.0	60.8	1	35.0-128			0.328	23
Diethyl phthalate	0.0500	U	0.0320	0.0316	64.0	63.2	1	39.0-125			1.26	24
Dimethyl phthalate	0.0500	U	0.0324	0.0308	64.8	61.6	1	37.0-120			5.06	24
Di-n-octyl phthalate	0.0500	U	0.0189	0.0189	37.8	37.8	1	25.0-135			0.000	26
Pyrene	0.0500	U	0.0256	0.0259	51.2	51.8	1	39.0-120			1.17	22
1,2,4-Trichlorobenzene	0.0500	U	0.0272	0.0252	54.4	50.4	1	15.0-120			7.63	31
4-Chloro-3-methylphenol	0.0500	U	0.0233	0.0217	46.6	43.4	1	26.0-120			7.11	27
2-Chlorophenol	0.0500	U	0.0239	0.0216	47.8	43.2	1	18.0-120			10.1	34
2,4-Dichlorophenol	0.0500	U	0.0247	0.0221	49.4	44.2	1	19.0-120			11.1	27
2,4-Dimethylphenol	0.0500	U	0.0260	0.0234	52.0	46.8	1	15.0-120			10.5	28
4,6-Dinitro-2-methylphenol	0.0500	U	0.0298	0.0286	59.6	57.2	1	10.0-144			4.11	39
2,4-Dinitrophenol	0.0500	U	0.0262	0.0246	52.4	49.2	1	10.0-120			6.30	40
2-Nitrophenol	0.0500	U	0.0280	0.0251	56.0	50.2	1	20.0-120			10.9	30
4-Nitrophenol	0.0500	U	0.0771	0.0717	154	143	1	10.0-120	J5	J5	7.26	40
Pentachlorophenol	0.0500	U	0.0290	0.0271	58.0	54.2	1	10.0-128			6.77	37
Phenol	0.0500	U	0.0139	0.0135	27.8	27.0	1	10.0-120			2.92	40
2,4,6-Trichlorophenol	0.0500	U	0.0305	0.0270	61.0	54.0	1	26.0-120			12.2	31
(S) Nitrobenzene-d5					50.7	46.9		10.0-127				
(S) 2-Fluorobiphenyl					62.3	55.2		10.0-130				
(S) p-Terphenyl-d14					43.3	43.9		10.0-128				
(S) Phenol-d5					22.7	21.3		10.0-120				
(S) 2-Fluorophenol					34.7	32.4		10.0-120				
(S) 2,4,6-Tribromophenol					59.5	55.5		10.0-155				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3523622-2 04/30/20 05:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.0000886	0.00100
Acenaphthylene	U		0.0000921	0.00100
Anthracene	U		0.0000804	0.00100
Benzidine	U		0.00374	0.0100
Benzo(a)anthracene	U		0.000199	0.00100
Benzo(b)fluoranthene	U		0.000130	0.00100
Benzo(k)fluoranthene	U		0.000120	0.00100
Benzo(g,h,i)perylene	U		0.000121	0.00100
Benzo(a)pyrene	U		0.0000381	0.000200
Bis(2-chlorethoxy)methane	U		0.000116	0.0100
Bis(2-chloroethyl)ether	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	U		0.000210	0.0100
4-Bromophenyl-phenylether	U		0.0000877	0.0100
2-Chloronaphthalene	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	U		0.0000926	0.0100
Chrysene	U		0.000130	0.00100
Dibenz(a,h)anthracene	U		0.0000644	0.000200
1,2-Dichlorobenzene	U		0.0000713	0.0100
1,3-Dichlorobenzene	U		0.000132	0.0100
1,4-Dichlorobenzene	U		0.0000942	0.0100
3,3-Dichlorobenzidine	U		0.000212	0.0100
2,4-Dinitrotoluene	U		0.0000983	0.0100
2,6-Dinitrotoluene	U		0.000250	0.0100
Fluoranthene	U		0.000102	0.00100
Fluorene	U		0.0000844	0.00100
Hexachlorobenzene	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	U		0.0000968	0.0100
Hexachlorocyclopentadiene	U		0.0000598	0.0100
Hexachloroethane	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000143	0.0100
Naphthalene	U		0.000159	0.00100
Nitrobenzene	U		0.000297	0.0100
n-Nitrosodimethylamine	U		0.000998	0.0100
n-Nitrosodiphenylamine	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	U		0.000261	0.0100
Phenanthrene	U		0.000112	0.00100
Benzylbutyl phthalate	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000895	0.00300
Di-n-butyl phthalate	U		0.000453	0.00300

1

Cp

2

Tc

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Ss

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Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

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

[L1212188-01,02,03,05,06,07,08,09,12,13](#)

Method Blank (MB)

(MB) R3523622-2 04/30/20 05:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Diethyl phthalate	U		0.000287	0.00300
Dimethyl phthalate	U		0.000260	0.00300
Di-n-octyl phthalate	U		0.000932	0.00300
Pyrene	U		0.000107	0.00100
1,2,4-Trichlorobenzene	U		0.0000698	0.0100
4-Chloro-3-methylphenol	U		0.000131	0.0100
2-Chlorophenol	U		0.000133	0.0100
2,4-Dichlorophenol	U		0.000102	0.0100
2,4-Dimethylphenol	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	U		0.00112	0.0100
2,4-Dinitrophenol	U		0.00593	0.0100
2-Nitrophenol	U		0.000117	0.0100
4-Nitrophenol	U		0.000143	0.0100
Pentachlorophenol	U		0.000313	0.0100
Phenol	U		0.00433	0.0100
2,4,6-Trichlorophenol	U		0.000100	0.0100
(S) Nitrobenzene-d5	50.6			10.0-127
(S) 2-Fluorobiphenyl	67.0			10.0-130
(S) p-Terphenyl-d14	68.6			10.0-128
(S) Phenol-d5	18.5			10.0-120
(S) 2-Fluorophenol	33.5			10.0-120
(S) 2,4,6-Tribromophenol	70.5			10.0-155

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3523622-1 04/30/20 05:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.0500	0.0296	59.2	41.0-120	
Acenaphthylene	0.0500	0.0324	64.8	43.0-120	
Anthracene	0.0500	0.0313	62.6	45.0-120	
Benzidine	0.100	0.0494	49.4	10.0-120	
Benzo(a)anthracene	0.0500	0.0348	69.6	47.0-120	
Benzo(b)fluoranthene	0.0500	0.0329	65.8	46.0-120	
Benzo(k)fluoranthene	0.0500	0.0328	65.6	46.0-120	
Benzo(g,h,i)perylene	0.0500	0.0323	64.6	48.0-121	
Benzo(a)pyrene	0.0500	0.0350	70.0	47.0-120	
Bis(2-chlorethoxy)methane	0.0500	0.0268	53.6	33.0-120	
Bis(2-chloroethyl)ether	0.0500	0.0287	57.4	23.0-120	

Laboratory Control Sample (LCS)

(LCS) R3523622-1 04/30/20 05:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
2,2-Oxybis(1-Chloropropane)	0.0500	0.0286	57.2	28.0-120	
4-Bromophenyl-phenylether	0.0500	0.0333	66.6	45.0-120	
2-Chloronaphthalene	0.0500	0.0307	61.4	37.0-120	
4-Chlorophenyl-phenylether	0.0500	0.0333	66.6	44.0-120	
Chrysene	0.0500	0.0327	65.4	48.0-120	
Dibenz(a,h)anthracene	0.0500	0.0322	64.4	47.0-120	
1,2-Dichlorobenzene	0.0500	0.0296	59.2	20.0-120	
1,3-Dichlorobenzene	0.0500	0.0294	58.8	17.0-120	
1,4-Dichlorobenzene	0.0500	0.0287	57.4	18.0-120	
3,3-Dichlorobenzidine	0.100	0.0714	71.4	44.0-120	
2,4-Dinitrotoluene	0.0500	0.0364	72.8	49.0-124	
2,6-Dinitrotoluene	0.0500	0.0340	68.0	46.0-120	
Fluoranthene	0.0500	0.0321	64.2	51.0-120	
Fluorene	0.0500	0.0313	62.6	47.0-120	
Hexachlorobenzene	0.0500	0.0353	70.6	44.0-120	
Hexachloro-1,3-butadiene	0.0500	0.0294	58.8	19.0-120	
Hexachlorocyclopentadiene	0.0500	0.0299	59.8	15.0-120	
Hexachloroethane	0.0500	0.0278	55.6	15.0-120	
Indeno(1,2,3-cd)pyrene	0.0500	0.0326	65.2	49.0-122	
Isophorone	0.0500	0.0262	52.4	36.0-120	
Naphthalene	0.0500	0.0267	53.4	27.0-120	
Nitrobenzene	0.0500	0.0258	51.6	27.0-120	
n-Nitrosodimethylamine	0.0500	0.0121	24.2	10.0-120	
n-Nitrosodiphenylamine	0.0500	0.0319	63.8	47.0-120	
n-Nitrosodi-n-propylamine	0.0500	0.0272	54.4	31.0-120	
Phenanthrene	0.0500	0.0307	61.4	46.0-120	
Benzylbutyl phthalate	0.0500	0.0333	66.6	43.0-121	
Bis(2-ethylhexyl)phthalate	0.0500	0.0315	63.0	43.0-122	
Di-n-butyl phthalate	0.0500	0.0325	65.0	49.0-121	
Diethyl phthalate	0.0500	0.0325	65.0	48.0-122	
Dimethyl phthalate	0.0500	0.0335	67.0	48.0-120	
Di-n-octyl phthalate	0.0500	0.0292	58.4	42.0-125	
Pyrene	0.0500	0.0330	66.0	47.0-120	
1,2,4-Trichlorobenzene	0.0500	0.0289	57.8	24.0-120	
4-Chloro-3-methylphenol	0.0500	0.0275	55.0	40.0-120	
2-Chlorophenol	0.0500	0.0273	54.6	25.0-120	
2,4-Dichlorophenol	0.0500	0.0293	58.6	36.0-120	
2,4-Dimethylphenol	0.0500	0.0301	60.2	33.0-120	
4,6-Dinitro-2-methylphenol	0.0500	0.0351	70.2	38.0-138	
2,4-Dinitrophenol	0.0500	0.0353	70.6	10.0-120	

1

Cp

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Tc

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Ss

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Cn

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Sr

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Gl

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Al

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Sc

Laboratory Control Sample (LCS)

(LCS) R3523622-1 04/30/20 05:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
2-Nitrophenol	0.0500	0.0305	61.0	31.0-120	
4-Nitrophenol	0.0500	0.0111	22.2	10.0-120	
Pentachlorophenol	0.0500	0.0417	83.4	23.0-120	
Phenol	0.0500	0.00971	19.4	10.0-120	
2,4,6-Trichlorophenol	0.0500	0.0329	65.8	42.0-120	
(S) Nitrobenzene-d5			44.9	10.0-127	
(S) 2-Fluorobiphenyl			66.5	10.0-130	
(S) p-Terphenyl-d14			73.0	10.0-128	
(S) Phenol-d5			18.4	10.0-120	
(S) 2-Fluorophenol			33.5	10.0-120	
(S) 2,4,6-Tribromophenol			78.0	10.0-155	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1212188-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1212188-02 04/30/20 08:37 • (MS) R3523622-3 04/30/20 07:56 • (MSD) R3523622-4 04/30/20 08:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
2,2-Oxybis(1-Chloropropane)	0.0455	U	0.0246	0.0256	54.1	56.3	1	18.0-120			3.98	34
Acenaphthene	0.0455	U	0.0264	0.0267	58.0	58.7	1	28.0-120			1.13	25
Acenaphthylene	0.0455	U	0.0289	0.0294	63.5	64.6	1	31.0-121			1.72	25
Anthracene	0.0455	U	0.0279	0.0285	61.3	62.6	1	36.0-120			2.13	23
Benzidine	0.0910	U	0.0546	0.0464	60.0	51.0	1	10.0-120			16.2	37
Benzo(a)anthracene	0.0455	U	0.0306	0.0302	67.3	66.4	1	39.0-120			1.32	23
Benzo(b)fluoranthene	0.0455	U	0.0291	0.0294	64.0	64.6	1	37.0-120			1.03	23
Benzo(k)fluoranthene	0.0455	U	0.0280	0.0279	61.5	61.3	1	37.0-120			0.358	26
Benzo(g,h,i)perylene	0.0455	U	0.0270	0.0267	59.3	58.7	1	37.0-123			1.12	25
Benzo(a)pyrene	0.0455	U	0.0305	0.0303	67.0	66.6	1	37.0-120			0.658	24
Bis(2-chlorethoxy)methane	0.0455	U	0.0243	0.0246	53.4	54.1	1	17.0-120			1.23	31
Bis(2-chloroethyl)ether	0.0455	U	0.0246	0.0255	54.1	56.0	1	14.0-120			3.59	33
4-Bromophenyl-phenylether	0.0455	U	0.0309	0.0318	67.9	69.9	1	37.0-120			2.87	24
2-Chloronaphthalene	0.0455	U	0.0275	0.0278	60.4	61.1	1	29.0-120			1.08	28
4-Chlorophenyl-phenylether	0.0455	U	0.0299	0.0305	65.7	67.0	1	36.0-120			1.99	23
Chrysene	0.0455	U	0.0285	0.0281	62.6	61.8	1	38.0-120			1.41	23
Dibenz(a,h)anthracene	0.0455	U	0.0271	0.0269	59.6	59.1	1	36.0-121			0.741	24
1,2-Dichlorobenzene	0.0455	U	0.0250	0.0260	54.9	57.1	1	18.0-120			3.92	40
1,3-Dichlorobenzene	0.0455	U	0.0247	0.0257	54.3	56.5	1	15.0-120			3.97	40
1,4-Dichlorobenzene	0.0455	U	0.0242	0.0254	53.2	55.8	1	17.0-120			4.84	40
3,3-Dichlorobenzidine	0.0910	U	0.0648	0.0638	71.2	70.1	1	10.0-134			1.56	30
2,4-Dinitrotoluene	0.0455	U	0.0320	0.0323	70.3	71.0	1	39.0-125			0.933	25

L1212188-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1212188-02 04/30/20 08:37 • (MS) R3523622-3 04/30/20 07:56 • (MSD) R3523622-4 04/30/20 08:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,6-Dinitrotoluene	0.0455	U	0.0304	0.0314	66.8	69.0	1	36.0-120			3.24	27
Fluoranthene	0.0455	U	0.0279	0.0284	61.3	62.4	1	41.0-121			1.78	22
Fluorene	0.0455	U	0.0273	0.0280	60.0	61.5	1	37.0-120			2.53	24
Hexachlorobenzene	0.0455	U	0.0322	0.0333	70.8	73.2	1	35.0-122			3.36	24
Hexachloro-1,3-butadiene	0.0455	U	0.0256	0.0259	56.3	56.9	1	12.0-120			1.17	34
Hexachlorocyclopentadiene	0.0455	U	0.0271	0.0266	59.6	58.5	1	10.0-120			1.86	33
Hexachloroethane	0.0455	U	0.0230	0.0239	50.5	52.5	1	10.0-120			3.84	40
Indeno(1,2,3-cd)pyrene	0.0455	U	0.0274	0.0267	60.2	58.7	1	38.0-125			2.59	24
Isophorone	0.0455	U	0.0238	0.0243	52.3	53.4	1	21.0-120			2.08	27
Naphthalene	0.0455	U	0.0236	0.0240	51.9	52.7	1	10.0-120			1.68	31
Nitrobenzene	0.0455	U	0.0230	0.0232	50.5	51.0	1	12.0-120			0.866	30
n-Nitrosodimethylamine	0.0455	U	0.0107	0.0108	23.5	23.7	1	10.0-120			0.930	40
n-Nitrosodiphenylamine	0.0455	U	0.0292	0.0295	64.2	64.8	1	37.0-120			1.02	24
n-Nitrosodi-n-propylamine	0.0455	U	0.0240	0.0250	52.7	54.9	1	16.0-120			4.08	30
Phenanthrene	0.0455	U	0.0277	0.0279	60.9	61.3	1	33.0-120			0.719	22
Benzylbutyl phthalate	0.0455	U	0.0297	0.0303	65.3	66.6	1	34.0-126			2.00	24
Bis(2-ethylhexyl)phthalate	0.0455	U	0.0269	0.0264	59.1	58.0	1	33.0-126			1.88	25
Di-n-butyl phthalate	0.0455	U	0.0292	0.0295	64.2	64.8	1	35.0-128			1.02	23
Diethyl phthalate	0.0455	U	0.0288	0.0292	63.3	64.2	1	39.0-125			1.38	24
Dimethyl phthalate	0.0455	U	0.0300	0.0311	65.9	68.4	1	37.0-120			3.60	24
Di-n-octyl phthalate	0.0455	U	0.0251	0.0248	55.2	54.5	1	25.0-135			1.20	26
Pyrene	0.0455	U	0.0296	0.0300	65.1	65.9	1	39.0-120			1.34	22
1,2,4-Trichlorobenzene	0.0455	U	0.0250	0.0255	54.9	56.0	1	15.0-120			1.98	31
4-Chloro-3-methylphenol	0.0455	U	0.0246	0.0254	54.1	55.8	1	26.0-120			3.20	27
2-Chlorophenol	0.0455	U	0.0244	0.0250	53.6	54.9	1	18.0-120			2.43	34
2,4-Dichlorophenol	0.0455	U	0.0268	0.0269	58.9	59.1	1	19.0-120			0.372	27
2,4-Dimethylphenol	0.0455	U	0.0272	0.0276	59.8	60.7	1	15.0-120			1.46	28
4,6-Dinitro-2-methylphenol	0.0455	U	0.0316	0.0323	69.5	71.0	1	10.0-144			2.19	39
2,4-Dinitrophenol	0.0455	U	0.0317	0.0320	69.7	70.3	1	10.0-120			0.942	40
2-Nitrophenol	0.0455	U	0.0274	0.0277	60.2	60.9	1	20.0-120			1.09	30
4-Nitrophenol	0.0455	U	0.0100	0.0103	22.0	22.6	1	10.0-120			2.96	40
Pentachlorophenol	0.0455	U	0.0378	0.0386	83.1	84.8	1	10.0-128			2.09	37
Phenol	0.0455	U	0.00896	0.00933	19.7	20.5	1	10.0-120			4.05	40
2,4,6-Trichlorophenol	0.0455	U	0.0305	0.0314	67.0	69.0	1	26.0-120			2.91	31
(S) Nitrobenzene-d5					42.7	43.8		10.0-127				
(S) 2-Fluorobiphenyl					67.5	68.2		10.0-130				
(S) p-Terphenyl-d14					71.2	71.8		10.0-128				
(S) Phenol-d5					18.2	19.0		10.0-120				
(S) 2-Fluorophenol					32.3	33.3		10.0-120				
(S) 2,4,6-Tribromophenol					77.5	81.9		10.0-155				

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



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.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration method criteria.
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.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* 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 National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	n/a
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}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

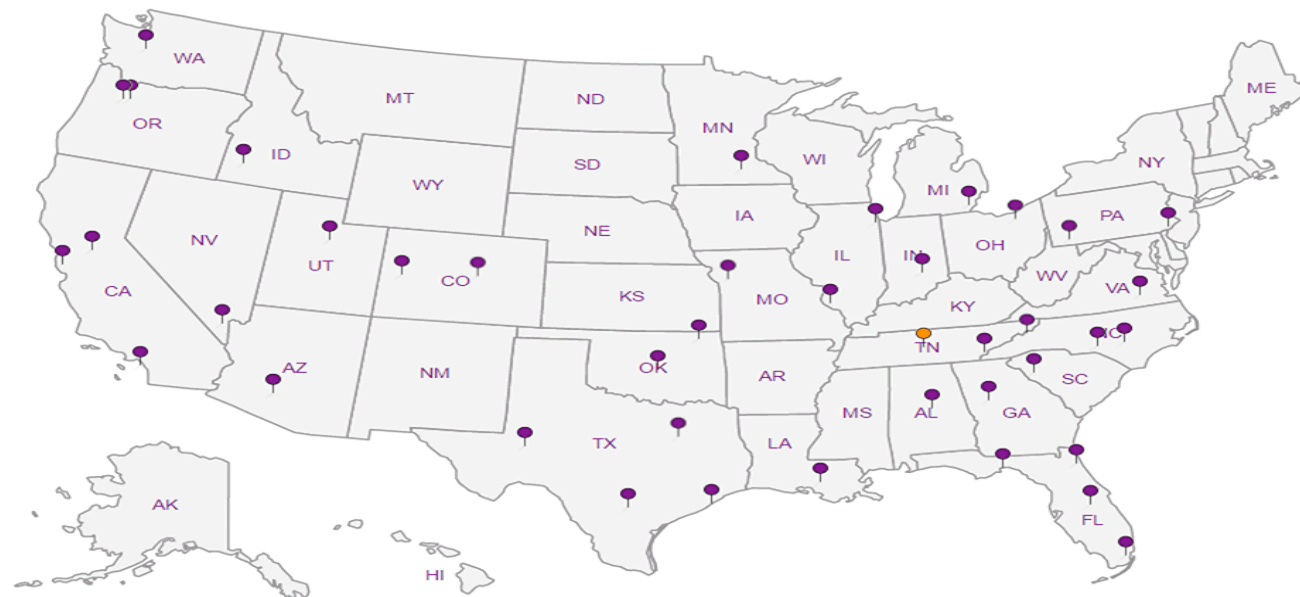
Third Party Federal Accreditations

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Arcadis - Chevron - NY

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

Report to:
Ed Meyer

Project Description:
Beacon

City/State: **45 Old Glenham Rd
Beacon, New York**

Please Circle:
PT MT CT ET

Phone: **609-860-0590**

Client Project #
30043615

Lab Project #
CHEVARCNY-BEACON

Collected by (print):

Kirk Vargas, Balala Sandoz

Site/Facility ID # **314004**

P.O. #
30043615

Collected by (signature):

KV

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

10 DAYS TAT

Immediately

Packed on Ice N ☐ Y ☒

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
OR-3-W-200423	Grab	GW	70.5	4/23/20	1442	6
OS-3-W-200423	Grab	GW	8.0	4/23/20	1253	6
DB-17-W-200423	Grab	GW	8.5	4/23/20	1005	6
TF-5-W-200423	Grab	GW	8.0	4/22/20	1422	6
DB-8A-W-200423	Grab	GW	10.0	4/23/20	1536	6
OR-2-W-200423	Grab	GW	36.0	4/23/20	1450	6
OS-2-W-200423	Grab	GW	14.0	4/23/20	1300	6
DC-1-W-200423	Grab	GW	8.0	4/23/20	1335	6
DC-2-W-200423	Grab	GW	12.0	4/23/20	0952	6
TF-23-W-200422	Grab	GW	12.0	4/22/20	1415	6

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

Remarks: **Chevron PM-MARK HEDRICKSON**

Arcadis PM-Ed Meyer

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking #

Relinquished by: (Signature)

KV

Date:

4/23/20

Time:

1840

Received by: (Signature)

[Signature]

Trip Blank Received: Yes/No

2 ☒ CL/MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

[Signature]

Temp: **21 ± 0.2 °C**

40

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

[Signature]

Date: **4-24-20**

Time: **0815**

If preservation required by Login: Date/Time

Hold:

Condition:

NCF / ☒ OK

Analysis / Container / Preservative

Pres
Chk

8270D 100ml Amb NoPres

PBDG - Lab filter 250mlHDPE-NoPres

V8260C 40mlAmb-HCI

V8260C-TripBlank 40mlAmb-HCI-Blk

MS/MSD

Chain of Custody Page 1 of 2



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG #

1212188

Tab

D187

Acctnum: **CHEVARCNY**

Template: **T166593**

Prelogin: **P769099**

PM: **526 - Chris McCord**

PB: **4-17-2020 GM**

Shipped Via: **FedEX 2nd Day**

Remarks

Sample # (lab only)

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

Arcadis - Chevron - NY

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

Report to:
Ed Meyer

Project Description:
Beacon

Phone: 609-860-0590

Client Project #
30043615

Lab Project #
CHEVARCNY-BEACON

Collected by (print):
Kirk Yargus, Beate Sawdago

Site/Facility ID #
314004

P.O. #
30043615

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Immediately

Same Day Five Day
Next Day 5 Day (Rad Only)
Two Day 10 Day (Rad Only)
Three Day

Date Results Needed

10 DAYS TAT

Packed on Ice N Y ☒

Sample ID Comp/Grab Matrix * Depth Date Time No. of Cntrs

EB-1-W-200422 Grab GW N/A 4/22/20 1330 6

EB-2-W-200423 Grab GW N/A 4/23/20 1615 6

BD-1-W-200423 Grab GW N/A 4/23/20 — 6

GW 6

GW 6

GW 6

TRIP BLANK Grab GW N/A — — 2

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

Billing Information:

Attn: Accounts Payable
10205 Westheimer Road
Suite 800
Houston, TX 77042

Email To:
ed.meyer@arcadis.com;mosam.shah@arcadis.c

City/State: 45 Old Glenham Road
Collected: Beacon, New York

Please Circle:
PT MT CT ET

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 2



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # 12/2/88

Table #

Acctnum: CHEVARCNY

Template: T166593

Prelogin: P769099

PM: 526 - Chris McCord

PB: 4-17-2006 Gm

Shipped Via: FedEx 2nd Day

Remarks Sample # (lab only)

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

Remarks: Chevron PM - Mark Hendricks
Arcadis PM - Ed Meyer

Samples returned via:
UPS FedEx Courier

Tracking #

pH Temp

Flow Other

Sample Receipt Checklist

COC Seal Present/Intact: 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: 4/23/20

Time: 1840

Received by: (Signature)

Trip Blank Received: Yes/No
HCL/MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: 2.1 (±0.2) °C
Bottles Received: 40

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 4-23-20
Time: 1845

If preservation required by Login: Date/Time

Hold: Condition: NCF OK

October 26, 2020

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Arcadis - Chevron - NY

Sample Delivery Group: L1273359
Samples Received: 10/14/2020
Project Number: 30043615
Description: Beacon
Site: PMG00037
Report To: Ed Meyer
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.



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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



DC-2-W-201012 L1273359-01 GW

				Collected by	Collected date/time	Received date/time
					10/12/20 11:40	10/14/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1560250	1	10/16/20 19:00	10/19/20 17:10	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1560346	1	10/19/20 14:49	10/19/20 14:49	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1562631	1	10/21/20 07:57	10/21/20 07:57	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1561303	1	10/19/20 09:25	10/19/20 15:42	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1561279	1	10/18/20 21:23	10/19/20 04:40	AAT	Mt. Juliet, TN

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

DB-8A-W-201012 L1273359-02 GW

				Collected by	Collected date/time	Received date/time
					10/12/20 14:50	10/14/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1560250	1	10/16/20 19:00	10/19/20 17:14	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1560346	1	10/19/20 18:19	10/19/20 18:19	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1562631	1	10/21/20 08:19	10/21/20 08:19	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod	WG1561299	1	10/19/20 13:45	10/19/20 19:00	JNJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1561303	1.05	10/19/20 09:25	10/19/20 16:02	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1561279	1	10/18/20 21:23	10/19/20 05:00	AAT	Mt. Juliet, TN

OR-2-W-201012 L1273359-03 GW

				Collected by	Collected date/time	Received date/time
					10/12/20 13:42	10/14/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1560250	1	10/16/20 19:00	10/19/20 17:18	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1560346	1	10/19/20 15:12	10/19/20 15:12	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1562631	1	10/21/20 08:38	10/21/20 08:38	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1561303	1	10/19/20 09:25	10/19/20 17:05	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1561279	1	10/18/20 21:23	10/19/20 05:20	AAT	Mt. Juliet, TN

OS-2-W-201012 L1273359-04 GW

				Collected by	Collected date/time	Received date/time
					10/12/20 13:20	10/14/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1560250	1	10/16/20 19:00	10/19/20 17:22	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1560346	1	10/19/20 15:35	10/19/20 15:35	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1562631	1	10/21/20 08:58	10/21/20 08:58	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1561303	1	10/19/20 09:25	10/19/20 19:10	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1561279	1	10/18/20 21:23	10/19/20 05:40	AAT	Mt. Juliet, TN

OR-3-W-201013 L1273359-05 GW

				Collected by	Collected date/time	Received date/time
					10/13/20 11:12	10/14/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1560250	1	10/16/20 19:00	10/19/20 16:55	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1560346	1	10/19/20 15:59	10/19/20 15:59	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1562631	1	10/21/20 10:05	10/21/20 10:05	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1561304	1	10/19/20 16:28	10/20/20 06:30	JNJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1561281	1	10/19/20 13:26	10/19/20 17:49	AAT	Mt. Juliet, TN

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



OS-3-W-201013 L1273359-06 GW

				Collected by	Collected date/time	Received date/time
					10/13/20 10:15	10/14/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1560250	1	10/16/20 19:00	10/19/20 17:42	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1560346	1	10/19/20 16:22	10/19/20 16:22	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1562631	1	10/21/20 10:24	10/21/20 10:24	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1561304	1	10/19/20 16:28	10/20/20 06:51	JNJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1561281	1	10/19/20 13:26	10/19/20 18:41	AAT	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

BD-W-201012 L1273359-07 GW

				Collected by	Collected date/time	Received date/time
					10/12/20 00:00	10/14/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1560250	1	10/16/20 19:00	10/19/20 17:46	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1560346	1	10/19/20 16:46	10/19/20 16:46	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1562631	1	10/21/20 10:43	10/21/20 10:43	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1561303	1	10/19/20 09:25	10/19/20 19:31	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1561279	1	10/18/20 21:23	10/19/20 06:00	AAT	Mt. Juliet, TN

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

EB-1-W-201013 L1273359-08 GW

				Collected by	Collected date/time	Received date/time
					10/13/20 16:40	10/14/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1560250	1	10/16/20 19:00	10/19/20 17:50	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1560346	1	10/19/20 17:09	10/19/20 17:09	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1562631	1	10/21/20 07:18	10/21/20 07:18	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1561304	1	10/19/20 16:28	10/20/20 07:13	JNJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1561281	1	10/19/20 13:26	10/19/20 18:58	AAT	Mt. Juliet, TN

⁹ Sc

EB-2-W-201012 L1273359-09 GW

				Collected by	Collected date/time	Received date/time
					10/12/20 16:30	10/14/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1560250	1	10/16/20 19:00	10/19/20 17:53	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1560346	1	10/19/20 17:32	10/19/20 17:32	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1562631	1	10/21/20 07:37	10/21/20 07:37	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 C-mod	WG1561299	1	10/19/20 13:45	10/19/20 19:20	JNJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1561303	1	10/19/20 09:25	10/19/20 16:23	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1561279	1	10/18/20 21:23	10/19/20 06:20	AAT	Mt. Juliet, TN

TB-1-W-201012 L1273359-10 GW

				Collected by	Collected date/time	Received date/time
					10/12/20 00:00	10/14/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1562492	1	10/20/20 20:56	10/20/20 20:56	JAH	Mt. Juliet, TN

TB-2-W-201013 L1273359-11 GW

				Collected by	Collected date/time	Received date/time
					10/13/20 14:50	10/14/20 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1562492	1	10/20/20 21:16	10/20/20 21:16	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



TF-23-W-201013 L1273359-12 GW

Collected by

Collected date/time

Received date/time

10/13/20 12:45

10/14/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020A	WG1560250	1	10/16/20 19:00	10/19/20 17:57	LD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524M	WG1560346	1	10/19/20 17:56	10/19/20 17:56	BRA	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1562492	1	10/21/20 01:42	10/21/20 01:42	JAH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270 D	WG1561304	1	10/19/20 16:28	10/20/20 07:34	JNJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1561281	1	10/19/20 13:26	10/19/20 19:16	AAT	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

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ACCOUNT:

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All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. 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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:10	WG1560250

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	10/19/2020 14:49	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 07:57	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 07:57	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 07:57	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 07:57	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 07:57	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 07:57	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 07:57	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 07:57	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 07:57	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 07:57	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 07:57	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 07:57	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 07:57	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 07:57	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 07:57	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 07:57	WG1562631
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/21/2020 07:57	WG1562631
Chloroform	U		0.111	0.500	1	10/21/2020 07:57	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 07:57	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 07:57	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 07:57	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 07:57	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 07:57	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 07:57	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 07:57	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 07:57	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 07:57	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 07:57	WG1562631
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2020 07:57	WG1562631
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 07:57	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 07:57	WG1562631
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 07:57	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 07:57	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 07:57	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 07:57	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 07:57	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 07:57	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 07:57	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 07:57	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 07:57	WG1562631
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 07:57	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 07:57	WG1562631
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 07:57	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 07:57	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 07:57	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 07:57	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 07:57	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 07:57	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 07:57	WG1562631

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 07:57	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 07:57	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 07:57	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 07:57	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 07:57	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 07:57	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 07:57	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 07:57	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 07:57	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 07:57	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 07:57	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 07:57	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 07:57	WG1562631
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 07:57	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 07:57	WG1562631
Trichloroethene	U		0.190	0.500	1	10/21/2020 07:57	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 07:57	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 07:57	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 07:57	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 07:57	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 07:57	WG1562631
Vinyl acetate	U	JO	0.692	5.00	1	10/21/2020 07:57	WG1562631
Vinyl chloride	U		0.234	0.500	1	10/21/2020 07:57	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 07:57	WG1562631
(S) Toluene-d8	111			80.0-120		10/21/2020 07:57	WG1562631
(S) 4-Bromofluorobenzene	98.9			77.0-126		10/21/2020 07:57	WG1562631
(S) 1,2-Dichloroethane-d4	111			70.0-130		10/21/2020 07:57	WG1562631

1 Cp

2 Tc

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4 Cn

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6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/19/2020 15:42	WG1561303
Atrazine	U		0.255	10.0	1	10/19/2020 15:42	WG1561303
Benzaldehyde	U		1.69	10.0	1	10/19/2020 15:42	WG1561303
Biphenyl	U		0.790	10.0	1	10/19/2020 15:42	WG1561303
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/19/2020 15:42	WG1561303
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/19/2020 15:42	WG1561303
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/19/2020 15:42	WG1561303
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/19/2020 15:42	WG1561303
Caprolactam	U		0.309	10.0	1	10/19/2020 15:42	WG1561303
Carbazole	U		0.111	10.0	1	10/19/2020 15:42	WG1561303
4-Chloroaniline	U		0.234	5.00	1	10/19/2020 15:42	WG1561303
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/19/2020 15:42	WG1561303
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/19/2020 15:42	WG1561303
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/19/2020 15:42	WG1561303
2,6-Dinitrotoluene	U		0.250	5.00	1	10/19/2020 15:42	WG1561303
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/19/2020 15:42	WG1561303
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/19/2020 15:42	WG1561303
Hexachloroethane	U		0.127	5.00	1	10/19/2020 15:42	WG1561303
Isophorone	U		0.143	10.0	1	10/19/2020 15:42	WG1561303
2-Nitroaniline	U		0.102	5.00	1	10/19/2020 15:42	WG1561303
3-Nitroaniline	U		0.0869	5.00	1	10/19/2020 15:42	WG1561303
4-Nitroaniline	U		0.0910	5.00	1	10/19/2020 15:42	WG1561303
Nitrobenzene	U		0.297	10.0	1	10/19/2020 15:42	WG1561303
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/19/2020 15:42	WG1561303
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/19/2020 15:42	WG1561303

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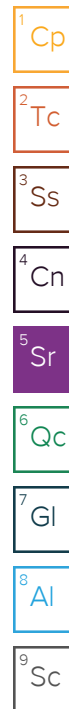


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Semi Volatile Organic Compounds (GC/MS) by Method 8270 D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/19/2020 15:42	WG1561303
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/19/2020 15:42	WG1561303
Di-n-butyl phthalate	U		0.453	3.00	1	10/19/2020 15:42	WG1561303
Diethyl phthalate	U		0.287	3.00	1	10/19/2020 15:42	WG1561303
Dimethyl phthalate	U		0.260	3.00	1	10/19/2020 15:42	WG1561303
Di-n-octyl phthalate	U		0.932	3.00	1	10/19/2020 15:42	WG1561303
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/19/2020 15:42	WG1561303
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/19/2020 15:42	WG1561303
2-Chlorophenol	U		0.133	1.00	1	10/19/2020 15:42	WG1561303
2-Methylphenol	U		0.0929	1.00	1	10/19/2020 15:42	WG1561303
3&4-Methyl Phenol	U		0.168	1.00	1	10/19/2020 15:42	WG1561303
2,4-Dichlorophenol	U		0.102	5.00	1	10/19/2020 15:42	WG1561303
2,4-Dimethylphenol	U		0.0636	10.0	1	10/19/2020 15:42	WG1561303
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/19/2020 15:42	WG1561303
2,4-Dinitrophenol	U		5.93	10.0	1	10/19/2020 15:42	WG1561303
2-Nitrophenol	U		0.117	1.00	1	10/19/2020 15:42	WG1561303
4-Nitrophenol	U		0.143	10.0	1	10/19/2020 15:42	WG1561303
Pentachlorophenol	U		0.313	1.00	1	10/19/2020 15:42	WG1561303
Phenol	U		4.33	10.0	1	10/19/2020 15:42	WG1561303
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/19/2020 15:42	WG1561303
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/19/2020 15:42	WG1561303
(S) 2-Fluorophenol	26.0			10.0-120		10/19/2020 15:42	WG1561303
(S) Phenol-d5	14.7			10.0-120		10/19/2020 15:42	WG1561303
(S) Nitrobenzene-d5	45.3			10.0-127		10/19/2020 15:42	WG1561303
(S) 2-Fluorobiphenyl	55.3			10.0-130		10/19/2020 15:42	WG1561303
(S) 2,4,6-Tribromophenol	48.4			10.0-155		10/19/2020 15:42	WG1561303
(S) p-Terphenyl-d14	64.9			10.0-128		10/19/2020 15:42	WG1561303



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 04:40	WG1561279
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 04:40	WG1561279
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 04:40	WG1561279
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 04:40	WG1561279
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 04:40	WG1561279
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 04:40	WG1561279
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 04:40	WG1561279
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 04:40	WG1561279
Chrysene	U		0.0179	0.0500	1	10/19/2020 04:40	WG1561279
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 04:40	WG1561279
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 04:40	WG1561279
Fluoranthene	U		0.0270	0.100	1	10/19/2020 04:40	WG1561279
Fluorene	U		0.0169	0.0500	1	10/19/2020 04:40	WG1561279
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 04:40	WG1561279
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 04:40	WG1561279
Naphthalene	U		0.0917	0.250	1	10/19/2020 04:40	WG1561279
Phenanthrene	U		0.0180	0.0500	1	10/19/2020 04:40	WG1561279
Pyrene	U		0.0169	0.0500	1	10/19/2020 04:40	WG1561279
1-Methylnaphthalene	U		0.0687	0.250	1	10/19/2020 04:40	WG1561279
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 04:40	WG1561279
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 04:40	WG1561279
(S) Nitrobenzene-d5	97.5			31.0-160		10/19/2020 04:40	WG1561279
(S) 2-Fluorobiphenyl	101			48.0-148		10/19/2020 04:40	WG1561279
(S) p-Terphenyl-d14	102			37.0-146		10/19/2020 04:40	WG1561279



Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:14	WG1560250

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	10/19/2020 18:19	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 08:19	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 08:19	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 08:19	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 08:19	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 08:19	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 08:19	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 08:19	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 08:19	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 08:19	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 08:19	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 08:19	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 08:19	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 08:19	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 08:19	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 08:19	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 08:19	WG1562631
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/21/2020 08:19	WG1562631
Chloroform	0.780		0.111	0.500	1	10/21/2020 08:19	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 08:19	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 08:19	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 08:19	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 08:19	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 08:19	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 08:19	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 08:19	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 08:19	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 08:19	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 08:19	WG1562631
1,1-Dichloroethane	0.770		0.100	0.500	1	10/21/2020 08:19	WG1562631
1,2-Dichloroethane	0.106	J	0.0819	0.500	1	10/21/2020 08:19	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 08:19	WG1562631
cis-1,2-Dichloroethene	0.206	J	0.126	0.500	1	10/21/2020 08:19	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 08:19	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 08:19	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 08:19	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 08:19	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 08:19	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 08:19	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 08:19	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 08:19	WG1562631
Di-isopropyl ether	0.601		0.105	0.500	1	10/21/2020 08:19	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 08:19	WG1562631
Hexachloro-1,3-butadiene	0.793	J	0.337	1.00	1	10/21/2020 08:19	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 08:19	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 08:19	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 08:19	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 08:19	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 08:19	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 08:19	WG1562631

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	10/21/2020 08:19	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 08:19	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 08:19	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 08:19	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 08:19	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 08:19	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 08:19	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 08:19	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 08:19	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 08:19	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 08:19	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 08:19	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 08:19	WG1562631
1,1,1-Trichloroethane	0.525		0.149	0.500	1	10/21/2020 08:19	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 08:19	WG1562631
Trichloroethene	12.3		0.190	0.500	1	10/21/2020 08:19	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 08:19	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 08:19	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 08:19	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 08:19	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 08:19	WG1562631
Vinyl acetate	U	JO	0.692	5.00	1	10/21/2020 08:19	WG1562631
Vinyl chloride	U		0.234	0.500	1	10/21/2020 08:19	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 08:19	WG1562631
(S) Toluene-d8	112			80.0-120		10/21/2020 08:19	WG1562631
(S) 4-Bromofluorobenzene	97.9			77.0-126		10/21/2020 08:19	WG1562631
(S) 1,2-Dichloroethane-d4	115			70.0-130		10/21/2020 08:19	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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	11.8		0.0447	0.400	1	10/19/2020 19:00	WG1561299
(S) Nitrobenzene-d5	67.2			10.0-120		10/19/2020 19:00	WG1561299

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		0.218	10.5	1.05	10/19/2020 16:02	WG1561303
Atrazine	U		0.268	10.5	1.05	10/19/2020 16:02	WG1561303
Benzaldehyde	U		1.77	10.5	1.05	10/19/2020 16:02	WG1561303
Biphenyl	U		0.829	10.5	1.05	10/19/2020 16:02	WG1561303
Bis(2-chloroethoxy)methane	U		0.122	5.25	1.05	10/19/2020 16:02	WG1561303
Bis(2-chloroethyl)ether	U		0.144	1.05	1.05	10/19/2020 16:02	WG1561303
2,2-Oxybis(1-Chloropropane)	U		0.221	5.25	1.05	10/19/2020 16:02	WG1561303
4-Bromophenyl-phenylether	U		0.0921	10.5	1.05	10/19/2020 16:02	WG1561303
Caprolactam	1.64	U	0.324	10.5	1.05	10/19/2020 16:02	WG1561303
Carbazole	U		0.117	10.5	1.05	10/19/2020 16:02	WG1561303
4-Chloroaniline	U		0.246	5.25	1.05	10/19/2020 16:02	WG1561303
4-Chlorophenyl-phenylether	U		0.0972	10.5	1.05	10/19/2020 16:02	WG1561303
3,3-Dichlorobenzidine	U		0.223	10.5	1.05	10/19/2020 16:02	WG1561303
2,4-Dinitrotoluene	U		0.103	5.25	1.05	10/19/2020 16:02	WG1561303
2,6-Dinitrotoluene	U		0.263	5.25	1.05	10/19/2020 16:02	WG1561303
Hexachloro-1,3-butadiene	0.296	U	0.102	10.5	1.05	10/19/2020 16:02	WG1561303
Hexachlorocyclopentadiene	U		0.0628	5.25	1.05	10/19/2020 16:02	WG1561303
Hexachloroethane	U		0.133	5.25	1.05	10/19/2020 16:02	WG1561303



Collected date/time: 10/12/20 14:50

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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		0.150	10.5	1.05	10/19/2020 16:02	WG1561303
2-Nitroaniline	U		0.107	5.25	1.05	10/19/2020 16:02	WG1561303
3-Nitroaniline	U		0.0912	5.25	1.05	10/19/2020 16:02	WG1561303
4-Nitroaniline	U		0.0956	5.25	1.05	10/19/2020 16:02	WG1561303
Nitrobenzene	U		0.312	10.5	1.05	10/19/2020 16:02	WG1561303
n-Nitrosodiphenylamine	U		2.49	10.5	1.05	10/19/2020 16:02	WG1561303
n-Nitrosodi-n-propylamine	U		0.274	10.5	1.05	10/19/2020 16:02	WG1561303
Benzylbutyl phthalate	U		0.803	3.15	1.05	10/19/2020 16:02	WG1561303
Bis(2-ethylhexyl)phthalate	U		0.940	3.15	1.05	10/19/2020 16:02	WG1561303
Di-n-butyl phthalate	U		0.476	3.15	1.05	10/19/2020 16:02	WG1561303
Diethyl phthalate	U		0.301	3.15	1.05	10/19/2020 16:02	WG1561303
Dimethyl phthalate	U		0.273	3.15	1.05	10/19/2020 16:02	WG1561303
Di-n-octyl phthalate	U		0.979	3.15	1.05	10/19/2020 16:02	WG1561303
1,2,4,5-Tetrachlorobenzene	U		0.0679	10.5	1.05	10/19/2020 16:02	WG1561303
4-Chloro-3-methylphenol	U		0.138	1.05	1.05	10/19/2020 16:02	WG1561303
2-Chlorophenol	U		0.140	1.05	1.05	10/19/2020 16:02	WG1561303
2-Methylphenol	U		0.0975	1.05	1.05	10/19/2020 16:02	WG1561303
3&4-Methyl Phenol	U		0.176	1.05	1.05	10/19/2020 16:02	WG1561303
2,4-Dichlorophenol	U		0.107	5.25	1.05	10/19/2020 16:02	WG1561303
2,4-Dimethylphenol	U		0.0668	10.5	1.05	10/19/2020 16:02	WG1561303
4,6-Dinitro-2-methylphenol	U		1.18	10.5	1.05	10/19/2020 16:02	WG1561303
2,4-Dinitrophenol	U		6.23	10.5	1.05	10/19/2020 16:02	WG1561303
2-Nitrophenol	U		0.123	1.05	1.05	10/19/2020 16:02	WG1561303
4-Nitrophenol	U		0.150	10.5	1.05	10/19/2020 16:02	WG1561303
Pentachlorophenol	U		0.329	1.05	1.05	10/19/2020 16:02	WG1561303
Phenol	U		4.55	10.5	1.05	10/19/2020 16:02	WG1561303
2,4,5-Trichlorophenol	U		0.114	1.05	1.05	10/19/2020 16:02	WG1561303
2,4,6-Trichlorophenol	U		0.105	1.05	1.05	10/19/2020 16:02	WG1561303
(S) 2-Fluorophenol	29.8			10.0-120		10/19/2020 16:02	WG1561303
(S) Phenol-d5	18.1			10.0-120		10/19/2020 16:02	WG1561303
(S) Nitrobenzene-d5	49.4			10.0-127		10/19/2020 16:02	WG1561303
(S) 2-Fluorobiphenyl	60.5			10.0-130		10/19/2020 16:02	WG1561303
(S) 2,4,6-Tribromophenol	50.0			10.0-155		10/19/2020 16:02	WG1561303
(S) p-Terphenyl-d14	67.3			10.0-128		10/19/2020 16:02	WG1561303

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

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 05:00	WG1561279
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 05:00	WG1561279
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 05:00	WG1561279
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 05:00	WG1561279
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 05:00	WG1561279
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 05:00	WG1561279
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 05:00	WG1561279
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 05:00	WG1561279
Chrysene	U		0.0179	0.0500	1	10/19/2020 05:00	WG1561279
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 05:00	WG1561279
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 05:00	WG1561279
Fluoranthene	U		0.0270	0.100	1	10/19/2020 05:00	WG1561279
Fluorene	U		0.0169	0.0500	1	10/19/2020 05:00	WG1561279
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 05:00	WG1561279
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 05:00	WG1561279
Naphthalene	U		0.0917	0.250	1	10/19/2020 05:00	WG1561279
Phenanthrene	U		0.0180	0.0500	1	10/19/2020 05:00	WG1561279
Pyrene	U		0.0169	0.0500	1	10/19/2020 05:00	WG1561279

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		0.0687	0.250	1	10/19/2020 05:00	WG1561279
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 05:00	WG1561279
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 05:00	WG1561279
(S) Nitrobenzene-d5	95.5			31.0-160		10/19/2020 05:00	WG1561279
(S) 2-Fluorobiphenyl	98.0			48.0-148		10/19/2020 05:00	WG1561279
(S) p-Terphenyl-d14	93.0			37.0-146		10/19/2020 05:00	WG1561279

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:18	WG1560250

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	10/19/2020 15:12	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 08:38	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 08:38	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 08:38	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 08:38	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 08:38	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 08:38	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 08:38	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 08:38	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 08:38	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 08:38	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 08:38	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 08:38	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 08:38	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 08:38	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 08:38	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 08:38	WG1562631
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/21/2020 08:38	WG1562631
Chloroform	U		0.111	0.500	1	10/21/2020 08:38	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 08:38	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 08:38	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 08:38	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 08:38	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 08:38	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 08:38	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 08:38	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 08:38	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 08:38	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 08:38	WG1562631
1,1-Dichloroethane	0.326	J	0.100	0.500	1	10/21/2020 08:38	WG1562631
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 08:38	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 08:38	WG1562631
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 08:38	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 08:38	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 08:38	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 08:38	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 08:38	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 08:38	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 08:38	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 08:38	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 08:38	WG1562631
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 08:38	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 08:38	WG1562631
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 08:38	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 08:38	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 08:38	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 08:38	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 08:38	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 08:38	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 08:38	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 10/12/20 13:42

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 08:38	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 08:38	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 08:38	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 08:38	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 08:38	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 08:38	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 08:38	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 08:38	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 08:38	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 08:38	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 08:38	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 08:38	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 08:38	WG1562631
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 08:38	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 08:38	WG1562631
Trichloroethene	U		0.190	0.500	1	10/21/2020 08:38	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 08:38	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 08:38	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 08:38	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 08:38	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 08:38	WG1562631
Vinyl acetate	U	JO	0.692	5.00	1	10/21/2020 08:38	WG1562631
Vinyl chloride	U		0.234	0.500	1	10/21/2020 08:38	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 08:38	WG1562631
(S) Toluene-d8	110			80.0-120		10/21/2020 08:38	WG1562631
(S) 4-Bromofluorobenzene	98.8			77.0-126		10/21/2020 08:38	WG1562631
(S) 1,2-Dichloroethane-d4	114			70.0-130		10/21/2020 08:38	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/19/2020 17:05	WG1561303
Atrazine	U		0.255	10.0	1	10/19/2020 17:05	WG1561303
Benzaldehyde	U		1.69	10.0	1	10/19/2020 17:05	WG1561303
Biphenyl	U		0.790	10.0	1	10/19/2020 17:05	WG1561303
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/19/2020 17:05	WG1561303
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/19/2020 17:05	WG1561303
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/19/2020 17:05	WG1561303
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/19/2020 17:05	WG1561303
Caprolactam	U		0.309	10.0	1	10/19/2020 17:05	WG1561303
Carbazole	U		0.111	10.0	1	10/19/2020 17:05	WG1561303
4-Chloroaniline	U		0.234	5.00	1	10/19/2020 17:05	WG1561303
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/19/2020 17:05	WG1561303
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/19/2020 17:05	WG1561303
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/19/2020 17:05	WG1561303
2,6-Dinitrotoluene	U		0.250	5.00	1	10/19/2020 17:05	WG1561303
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/19/2020 17:05	WG1561303
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/19/2020 17:05	WG1561303
Hexachloroethane	U		0.127	5.00	1	10/19/2020 17:05	WG1561303
Isophorone	U		0.143	10.0	1	10/19/2020 17:05	WG1561303
2-Nitroaniline	U		0.102	5.00	1	10/19/2020 17:05	WG1561303
3-Nitroaniline	U		0.0869	5.00	1	10/19/2020 17:05	WG1561303
4-Nitroaniline	U		0.0910	5.00	1	10/19/2020 17:05	WG1561303
Nitrobenzene	U		0.297	10.0	1	10/19/2020 17:05	WG1561303
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/19/2020 17:05	WG1561303
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/19/2020 17:05	WG1561303

ACCOUNT:

Arcadis - Chevron - NY

PROJECT:

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/19/2020 17:05	WG1561303
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/19/2020 17:05	WG1561303
Di-n-butyl phthalate	U		0.453	3.00	1	10/19/2020 17:05	WG1561303
Diethyl phthalate	U		0.287	3.00	1	10/19/2020 17:05	WG1561303
Dimethyl phthalate	U		0.260	3.00	1	10/19/2020 17:05	WG1561303
Di-n-octyl phthalate	U		0.932	3.00	1	10/19/2020 17:05	WG1561303
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/19/2020 17:05	WG1561303
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/19/2020 17:05	WG1561303
2-Chlorophenol	U		0.133	1.00	1	10/19/2020 17:05	WG1561303
2-Methylphenol	U		0.0929	1.00	1	10/19/2020 17:05	WG1561303
3&4-Methyl Phenol	U		0.168	1.00	1	10/19/2020 17:05	WG1561303
2,4-Dichlorophenol	U		0.102	5.00	1	10/19/2020 17:05	WG1561303
2,4-Dimethylphenol	U		0.0636	10.0	1	10/19/2020 17:05	WG1561303
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/19/2020 17:05	WG1561303
2,4-Dinitrophenol	U		5.93	10.0	1	10/19/2020 17:05	WG1561303
2-Nitrophenol	U		0.117	1.00	1	10/19/2020 17:05	WG1561303
4-Nitrophenol	U		0.143	10.0	1	10/19/2020 17:05	WG1561303
Pentachlorophenol	U		0.313	1.00	1	10/19/2020 17:05	WG1561303
Phenol	U		4.33	10.0	1	10/19/2020 17:05	WG1561303
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/19/2020 17:05	WG1561303
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/19/2020 17:05	WG1561303
(S) 2-Fluorophenol	30.6			10.0-120		10/19/2020 17:05	WG1561303
(S) Phenol-d5	18.1			10.0-120		10/19/2020 17:05	WG1561303
(S) Nitrobenzene-d5	49.7			10.0-127		10/19/2020 17:05	WG1561303
(S) 2-Fluorobiphenyl	61.9			10.0-130		10/19/2020 17:05	WG1561303
(S) 2,4,6-Tribromophenol	53.0			10.0-155		10/19/2020 17:05	WG1561303
(S) p-Terphenyl-d14	72.5			10.0-128		10/19/2020 17:05	WG1561303

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

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 05:20	WG1561279
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 05:20	WG1561279
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 05:20	WG1561279
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 05:20	WG1561279
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 05:20	WG1561279
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 05:20	WG1561279
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 05:20	WG1561279
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 05:20	WG1561279
Chrysene	U		0.0179	0.0500	1	10/19/2020 05:20	WG1561279
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 05:20	WG1561279
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 05:20	WG1561279
Fluoranthene	U		0.0270	0.100	1	10/19/2020 05:20	WG1561279
Fluorene	U		0.0169	0.0500	1	10/19/2020 05:20	WG1561279
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 05:20	WG1561279
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 05:20	WG1561279
Naphthalene	U		0.0917	0.250	1	10/19/2020 05:20	WG1561279
Phenanthrene	U		0.0180	0.0500	1	10/19/2020 05:20	WG1561279
Pyrene	U		0.0169	0.0500	1	10/19/2020 05:20	WG1561279
1-Methylnaphthalene	U		0.0687	0.250	1	10/19/2020 05:20	WG1561279
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 05:20	WG1561279
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 05:20	WG1561279
(S) Nitrobenzene-d5	100			31.0-160		10/19/2020 05:20	WG1561279
(S) 2-Fluorobiphenyl	103			48.0-148		10/19/2020 05:20	WG1561279
(S) p-Terphenyl-d14	102			37.0-146		10/19/2020 05:20	WG1561279

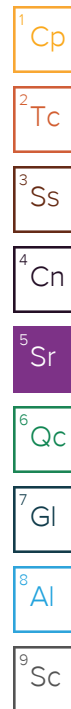


Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:22	WG1560250

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	10/19/2020 15:35	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 08:58	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 08:58	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 08:58	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 08:58	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 08:58	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 08:58	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 08:58	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 08:58	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 08:58	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 08:58	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 08:58	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 08:58	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 08:58	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 08:58	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 08:58	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 08:58	WG1562631
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/21/2020 08:58	WG1562631
Chloroform	0.153	J	0.111	0.500	1	10/21/2020 08:58	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 08:58	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 08:58	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 08:58	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 08:58	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 08:58	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 08:58	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 08:58	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 08:58	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 08:58	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 08:58	WG1562631
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2020 08:58	WG1562631
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 08:58	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 08:58	WG1562631
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 08:58	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 08:58	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 08:58	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 08:58	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 08:58	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 08:58	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 08:58	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 08:58	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 08:58	WG1562631
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 08:58	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 08:58	WG1562631
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 08:58	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 08:58	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 08:58	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 08:58	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 08:58	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 08:58	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 08:58	WG1562631





Collected date/time: 10/12/20 13:20

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 08:58	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 08:58	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 08:58	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 08:58	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 08:58	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 08:58	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 08:58	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 08:58	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 08:58	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 08:58	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 08:58	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 08:58	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 08:58	WG1562631
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 08:58	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 08:58	WG1562631
Trichloroethene	U		0.190	0.500	1	10/21/2020 08:58	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 08:58	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 08:58	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 08:58	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 08:58	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 08:58	WG1562631
Vinyl acetate	U	JO	0.692	5.00	1	10/21/2020 08:58	WG1562631
Vinyl chloride	U		0.234	0.500	1	10/21/2020 08:58	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 08:58	WG1562631
(S) Toluene-d8	110			80.0-120		10/21/2020 08:58	WG1562631
(S) 4-Bromofluorobenzene	96.2			77.0-126		10/21/2020 08:58	WG1562631
(S) 1,2-Dichloroethane-d4	112			70.0-130		10/21/2020 08:58	WG1562631

1 Cp

2 Tc

3 Ss

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6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/19/2020 19:10	WG1561303
Atrazine	U		0.255	10.0	1	10/19/2020 19:10	WG1561303
Benzaldehyde	U		1.69	10.0	1	10/19/2020 19:10	WG1561303
Biphenyl	U		0.790	10.0	1	10/19/2020 19:10	WG1561303
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/19/2020 19:10	WG1561303
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/19/2020 19:10	WG1561303
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/19/2020 19:10	WG1561303
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/19/2020 19:10	WG1561303
Caprolactam	U		0.309	10.0	1	10/19/2020 19:10	WG1561303
Carbazole	U		0.111	10.0	1	10/19/2020 19:10	WG1561303
4-Chloroaniline	U		0.234	5.00	1	10/19/2020 19:10	WG1561303
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/19/2020 19:10	WG1561303
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/19/2020 19:10	WG1561303
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/19/2020 19:10	WG1561303
2,6-Dinitrotoluene	U		0.250	5.00	1	10/19/2020 19:10	WG1561303
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/19/2020 19:10	WG1561303
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/19/2020 19:10	WG1561303
Hexachloroethane	U		0.127	5.00	1	10/19/2020 19:10	WG1561303
Isophorone	U		0.143	10.0	1	10/19/2020 19:10	WG1561303
2-Nitroaniline	U		0.102	5.00	1	10/19/2020 19:10	WG1561303
3-Nitroaniline	U		0.0869	5.00	1	10/19/2020 19:10	WG1561303
4-Nitroaniline	U		0.0910	5.00	1	10/19/2020 19:10	WG1561303
Nitrobenzene	U		0.297	10.0	1	10/19/2020 19:10	WG1561303
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/19/2020 19:10	WG1561303
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/19/2020 19:10	WG1561303

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/19/2020 19:10	WG1561303
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/19/2020 19:10	WG1561303
Di-n-butyl phthalate	U		0.453	3.00	1	10/19/2020 19:10	WG1561303
Diethyl phthalate	U		0.287	3.00	1	10/19/2020 19:10	WG1561303
Dimethyl phthalate	U		0.260	3.00	1	10/19/2020 19:10	WG1561303
Di-n-octyl phthalate	U		0.932	3.00	1	10/19/2020 19:10	WG1561303
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/19/2020 19:10	WG1561303
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/19/2020 19:10	WG1561303
2-Chlorophenol	U		0.133	1.00	1	10/19/2020 19:10	WG1561303
2-Methylphenol	U		0.0929	1.00	1	10/19/2020 19:10	WG1561303
3&4-Methyl Phenol	U		0.168	1.00	1	10/19/2020 19:10	WG1561303
2,4-Dichlorophenol	U		0.102	5.00	1	10/19/2020 19:10	WG1561303
2,4-Dimethylphenol	U		0.0636	10.0	1	10/19/2020 19:10	WG1561303
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/19/2020 19:10	WG1561303
2,4-Dinitrophenol	U		5.93	10.0	1	10/19/2020 19:10	WG1561303
2-Nitrophenol	U		0.117	1.00	1	10/19/2020 19:10	WG1561303
4-Nitrophenol	U		0.143	10.0	1	10/19/2020 19:10	WG1561303
Pentachlorophenol	U		0.313	1.00	1	10/19/2020 19:10	WG1561303
Phenol	U		4.33	10.0	1	10/19/2020 19:10	WG1561303
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/19/2020 19:10	WG1561303
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/19/2020 19:10	WG1561303
(S) 2-Fluorophenol	27.9			10.0-120		10/19/2020 19:10	WG1561303
(S) Phenol-d5	17.6			10.0-120		10/19/2020 19:10	WG1561303
(S) Nitrobenzene-d5	46.8			10.0-127		10/19/2020 19:10	WG1561303
(S) 2-Fluorobiphenyl	55.3			10.0-130		10/19/2020 19:10	WG1561303
(S) 2,4,6-Tribromophenol	55.5			10.0-155		10/19/2020 19:10	WG1561303
(S) p-Terphenyl-d14	71.6			10.0-128		10/19/2020 19:10	WG1561303

1 Cp
2 Tc
3 Ss
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Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 05:40	WG1561279
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 05:40	WG1561279
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 05:40	WG1561279
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 05:40	WG1561279
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 05:40	WG1561279
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 05:40	WG1561279
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 05:40	WG1561279
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 05:40	WG1561279
Chrysene	U		0.0179	0.0500	1	10/19/2020 05:40	WG1561279
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 05:40	WG1561279
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 05:40	WG1561279
Fluoranthene	U		0.0270	0.100	1	10/19/2020 05:40	WG1561279
Fluorene	U		0.0169	0.0500	1	10/19/2020 05:40	WG1561279
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 05:40	WG1561279
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 05:40	WG1561279
Naphthalene	U		0.0917	0.250	1	10/19/2020 05:40	WG1561279
Phenanthrene	U		0.0180	0.0500	1	10/19/2020 05:40	WG1561279
Pyrene	U		0.0169	0.0500	1	10/19/2020 05:40	WG1561279
1-Methylnaphthalene	U		0.0687	0.250	1	10/19/2020 05:40	WG1561279
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 05:40	WG1561279
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 05:40	WG1561279
(S) Nitrobenzene-d5	102			31.0-160		10/19/2020 05:40	WG1561279
(S) 2-Fluorobiphenyl	100			48.0-148		10/19/2020 05:40	WG1561279
(S) p-Terphenyl-d14	103			37.0-146		10/19/2020 05:40	WG1561279

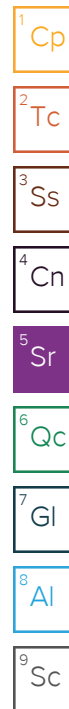


Metals (ICPMS) by Method 6020A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 16:55	WG1560250

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	10/19/2020 15:59	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 10:05	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 10:05	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 10:05	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 10:05	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 10:05	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 10:05	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 10:05	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 10:05	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 10:05	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 10:05	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 10:05	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 10:05	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 10:05	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 10:05	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 10:05	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 10:05	WG1562631
2-Chloroethyl vinyl ether	U	J6	0.575	50.0	1	10/21/2020 10:05	WG1562631
Chloroform	U		0.111	0.500	1	10/21/2020 10:05	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 10:05	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 10:05	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 10:05	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 10:05	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 10:05	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 10:05	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 10:05	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 10:05	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 10:05	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 10:05	WG1562631
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2020 10:05	WG1562631
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 10:05	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 10:05	WG1562631
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 10:05	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 10:05	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 10:05	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 10:05	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 10:05	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 10:05	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 10:05	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 10:05	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 10:05	WG1562631
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 10:05	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 10:05	WG1562631
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 10:05	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 10:05	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 10:05	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 10:05	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 10:05	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 10:05	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 10:05	WG1562631





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 10:05	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 10:05	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 10:05	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 10:05	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 10:05	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 10:05	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 10:05	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 10:05	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 10:05	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 10:05	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 10:05	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 10:05	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 10:05	WG1562631
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 10:05	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 10:05	WG1562631
Trichloroethene	U		0.190	0.500	1	10/21/2020 10:05	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 10:05	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 10:05	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 10:05	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 10:05	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 10:05	WG1562631
Vinyl acetate	U	JO J5	0.692	5.00	1	10/21/2020 10:05	WG1562631
Vinyl chloride	U	J5	0.234	0.500	1	10/21/2020 10:05	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 10:05	WG1562631
(S) Toluene-d8	106			80.0-120		10/21/2020 10:05	WG1562631
(S) 4-Bromofluorobenzene	98.6			77.0-126		10/21/2020 10:05	WG1562631
(S) 1,2-Dichloroethane-d4	119			70.0-130		10/21/2020 10:05	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/20/2020 06:30	WG1561304
Atrazine	U		0.255	10.0	1	10/20/2020 06:30	WG1561304
Benzaldehyde	U		1.69	10.0	1	10/20/2020 06:30	WG1561304
Biphenyl	U		0.790	10.0	1	10/20/2020 06:30	WG1561304
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/20/2020 06:30	WG1561304
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/20/2020 06:30	WG1561304
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/20/2020 06:30	WG1561304
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/20/2020 06:30	WG1561304
Caprolactam	U		0.309	10.0	1	10/20/2020 06:30	WG1561304
Carbazole	U		0.111	10.0	1	10/20/2020 06:30	WG1561304
4-Chloroaniline	U		0.234	5.00	1	10/20/2020 06:30	WG1561304
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/20/2020 06:30	WG1561304
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/20/2020 06:30	WG1561304
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/20/2020 06:30	WG1561304
2,6-Dinitrotoluene	U		0.250	5.00	1	10/20/2020 06:30	WG1561304
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/20/2020 06:30	WG1561304
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/20/2020 06:30	WG1561304
Hexachloroethane	U		0.127	5.00	1	10/20/2020 06:30	WG1561304
Isophorone	U		0.143	10.0	1	10/20/2020 06:30	WG1561304
2-Nitroaniline	U		0.102	5.00	1	10/20/2020 06:30	WG1561304
3-Nitroaniline	U		0.0869	5.00	1	10/20/2020 06:30	WG1561304
4-Nitroaniline	U		0.0910	5.00	1	10/20/2020 06:30	WG1561304
Nitrobenzene	U		0.297	10.0	1	10/20/2020 06:30	WG1561304
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/20/2020 06:30	WG1561304
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/20/2020 06:30	WG1561304

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/20/2020 06:30	WG1561304
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/20/2020 06:30	WG1561304
Di-n-butyl phthalate	U		0.453	3.00	1	10/20/2020 06:30	WG1561304
Diethyl phthalate	U		0.287	3.00	1	10/20/2020 06:30	WG1561304
Dimethyl phthalate	U		0.260	3.00	1	10/20/2020 06:30	WG1561304
Di-n-octyl phthalate	U		0.932	3.00	1	10/20/2020 06:30	WG1561304
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/20/2020 06:30	WG1561304
4-Chloro-3-methylphenol	U	<u>J3</u>	0.131	1.00	1	10/20/2020 06:30	WG1561304
2-Chlorophenol	U		0.133	1.00	1	10/20/2020 06:30	WG1561304
2-Methylphenol	U		0.0929	1.00	1	10/20/2020 06:30	WG1561304
3&4-Methyl Phenol	U		0.168	1.00	1	10/20/2020 06:30	WG1561304
2,4-Dichlorophenol	U		0.102	5.00	1	10/20/2020 06:30	WG1561304
2,4-Dimethylphenol	U		0.0636	10.0	1	10/20/2020 06:30	WG1561304
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/20/2020 06:30	WG1561304
2,4-Dinitrophenol	U		5.93	10.0	1	10/20/2020 06:30	WG1561304
2-Nitrophenol	U		0.117	1.00	1	10/20/2020 06:30	WG1561304
4-Nitrophenol	U		0.143	10.0	1	10/20/2020 06:30	WG1561304
Pentachlorophenol	U		0.313	1.00	1	10/20/2020 06:30	WG1561304
Phenol	U		4.33	10.0	1	10/20/2020 06:30	WG1561304
2,4,5-Trichlorophenol	U	<u>J3</u>	0.109	1.00	1	10/20/2020 06:30	WG1561304
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/20/2020 06:30	WG1561304
(S) 2-Fluorophenol	44.2			10.0-120		10/20/2020 06:30	WG1561304
(S) Phenol-d5	27.9			10.0-120		10/20/2020 06:30	WG1561304
(S) Nitrobenzene-d5	69.2			10.0-127		10/20/2020 06:30	WG1561304
(S) 2-Fluorobiphenyl	80.0			10.0-130		10/20/2020 06:30	WG1561304
(S) 2,4,6-Tribromophenol	72.0			10.0-155		10/20/2020 06:30	WG1561304
(S) p-Terphenyl-d14	79.7			10.0-128		10/20/2020 06:30	WG1561304

1 Cp
2 Tc
3 Ss
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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	<u>J3</u>	0.0190	0.0500	1	10/19/2020 17:49	WG1561281
Acenaphthene	U	<u>J3</u>	0.0190	0.0500	1	10/19/2020 17:49	WG1561281
Acenaphthylene	U	<u>J3</u>	0.0171	0.0500	1	10/19/2020 17:49	WG1561281
Benzo(a)anthracene	U	<u>J3</u>	0.0203	0.0500	1	10/19/2020 17:49	WG1561281
Benzo(a)pyrene	0.0188	<u>J J3</u>	0.0184	0.0500	1	10/19/2020 17:49	WG1561281
Benzo(b)fluoranthene	0.0354	<u>J J3</u>	0.0168	0.0500	1	10/19/2020 17:49	WG1561281
Benzo(g,h,i)perylene	0.0302	<u>J J3</u>	0.0184	0.0500	1	10/19/2020 17:49	WG1561281
Benzo(k)fluoranthene	U	<u>J3</u>	0.0202	0.0500	1	10/19/2020 17:49	WG1561281
Chrysene	0.0211	<u>J J3</u>	0.0179	0.0500	1	10/19/2020 17:49	WG1561281
Dibenz(a,h)anthracene	U	<u>J3</u>	0.0160	0.0500	1	10/19/2020 17:49	WG1561281
Dibenzofuran	U	<u>J3</u>	0.0191	0.0500	1	10/19/2020 17:49	WG1561281
Fluoranthene	0.0439	<u>J J3</u>	0.0270	0.100	1	10/19/2020 17:49	WG1561281
Fluorene	U	<u>J3</u>	0.0169	0.0500	1	10/19/2020 17:49	WG1561281
Hexachlorobenzene	U	<u>J3</u>	0.00670	0.0500	1	10/19/2020 17:49	WG1561281
Indeno(1,2,3-cd)pyrene	0.0301	<u>J J3</u>	0.0158	0.0500	1	10/19/2020 17:49	WG1561281
Naphthalene	U	<u>J3</u>	0.0917	0.250	1	10/19/2020 17:49	WG1561281
Phenanthrene	0.0205	<u>J J3</u>	0.0180	0.0500	1	10/19/2020 17:49	WG1561281
Pyrene	0.0349	<u>J J3</u>	0.0169	0.0500	1	10/19/2020 17:49	WG1561281
1-Methylnaphthalene	U	<u>J3</u>	0.0687	0.250	1	10/19/2020 17:49	WG1561281
2-Methylnaphthalene	U	<u>J3</u>	0.0674	0.250	1	10/19/2020 17:49	WG1561281
2-Chloronaphthalene	U	<u>J3</u>	0.0682	0.250	1	10/19/2020 17:49	WG1561281
(S) Nitrobenzene-d5	99.5			31.0-160		10/19/2020 17:49	WG1561281
(S) 2-Fluorobiphenyl	103			48.0-148		10/19/2020 17:49	WG1561281
(S) p-Terphenyl-d14	94.2			37.0-146		10/19/2020 17:49	WG1561281



Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:42	WG1560250

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	10/19/2020 16:22	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 10:24	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 10:24	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 10:24	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 10:24	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 10:24	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 10:24	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 10:24	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 10:24	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 10:24	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 10:24	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 10:24	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 10:24	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 10:24	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 10:24	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 10:24	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 10:24	WG1562631
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/21/2020 10:24	WG1562631
Chloroform	U		0.111	0.500	1	10/21/2020 10:24	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 10:24	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 10:24	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 10:24	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 10:24	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 10:24	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 10:24	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 10:24	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 10:24	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 10:24	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 10:24	WG1562631
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2020 10:24	WG1562631
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 10:24	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 10:24	WG1562631
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 10:24	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 10:24	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 10:24	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 10:24	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 10:24	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 10:24	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 10:24	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 10:24	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 10:24	WG1562631
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 10:24	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 10:24	WG1562631
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 10:24	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 10:24	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 10:24	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 10:24	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 10:24	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 10:24	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 10:24	WG1562631

1 Cp

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Collected date/time: 10/13/20 10:15

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 10:24	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 10:24	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 10:24	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 10:24	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 10:24	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 10:24	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 10:24	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 10:24	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 10:24	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 10:24	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 10:24	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 10:24	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 10:24	WG1562631
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 10:24	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 10:24	WG1562631
Trichloroethene	U		0.190	0.500	1	10/21/2020 10:24	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 10:24	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 10:24	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 10:24	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 10:24	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 10:24	WG1562631
Vinyl acetate	U	JO	0.692	5.00	1	10/21/2020 10:24	WG1562631
Vinyl chloride	U		0.234	0.500	1	10/21/2020 10:24	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 10:24	WG1562631
(S) Toluene-d8	110			80.0-120		10/21/2020 10:24	WG1562631
(S) 4-Bromofluorobenzene	99.2			77.0-126		10/21/2020 10:24	WG1562631
(S) 1,2-Dichloroethane-d4	117			70.0-130		10/21/2020 10:24	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/20/2020 06:51	WG1561304
Atrazine	U		0.255	10.0	1	10/20/2020 06:51	WG1561304
Benzaldehyde	U		1.69	10.0	1	10/20/2020 06:51	WG1561304
Biphenyl	U		0.790	10.0	1	10/20/2020 06:51	WG1561304
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/20/2020 06:51	WG1561304
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/20/2020 06:51	WG1561304
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/20/2020 06:51	WG1561304
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/20/2020 06:51	WG1561304
Caprolactam	U		0.309	10.0	1	10/20/2020 06:51	WG1561304
Carbazole	U		0.111	10.0	1	10/20/2020 06:51	WG1561304
4-Chloroaniline	U		0.234	5.00	1	10/20/2020 06:51	WG1561304
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/20/2020 06:51	WG1561304
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/20/2020 06:51	WG1561304
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/20/2020 06:51	WG1561304
2,6-Dinitrotoluene	U		0.250	5.00	1	10/20/2020 06:51	WG1561304
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/20/2020 06:51	WG1561304
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/20/2020 06:51	WG1561304
Hexachloroethane	U		0.127	5.00	1	10/20/2020 06:51	WG1561304
Isophorone	U		0.143	10.0	1	10/20/2020 06:51	WG1561304
2-Nitroaniline	U		0.102	5.00	1	10/20/2020 06:51	WG1561304
3-Nitroaniline	U		0.0869	5.00	1	10/20/2020 06:51	WG1561304
4-Nitroaniline	U		0.0910	5.00	1	10/20/2020 06:51	WG1561304
Nitrobenzene	U		0.297	10.0	1	10/20/2020 06:51	WG1561304
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/20/2020 06:51	WG1561304
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/20/2020 06:51	WG1561304

ACCOUNT:

Arcadis - Chevron - NY

PROJECT:

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DATE/TIME:

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/20/2020 06:51	WG1561304
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/20/2020 06:51	WG1561304
Di-n-butyl phthalate	U		0.453	3.00	1	10/20/2020 06:51	WG1561304
Diethyl phthalate	U		0.287	3.00	1	10/20/2020 06:51	WG1561304
Dimethyl phthalate	U		0.260	3.00	1	10/20/2020 06:51	WG1561304
Di-n-octyl phthalate	U		0.932	3.00	1	10/20/2020 06:51	WG1561304
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/20/2020 06:51	WG1561304
4-Chloro-3-methylphenol	U	J3	0.131	1.00	1	10/20/2020 06:51	WG1561304
2-Chlorophenol	U		0.133	1.00	1	10/20/2020 06:51	WG1561304
2-Methylphenol	U		0.0929	1.00	1	10/20/2020 06:51	WG1561304
3&4-Methyl Phenol	U		0.168	1.00	1	10/20/2020 06:51	WG1561304
2,4-Dichlorophenol	U		0.102	5.00	1	10/20/2020 06:51	WG1561304
2,4-Dimethylphenol	U		0.0636	10.0	1	10/20/2020 06:51	WG1561304
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/20/2020 06:51	WG1561304
2,4-Dinitrophenol	U		5.93	10.0	1	10/20/2020 06:51	WG1561304
2-Nitrophenol	U		0.117	1.00	1	10/20/2020 06:51	WG1561304
4-Nitrophenol	U		0.143	10.0	1	10/20/2020 06:51	WG1561304
Pentachlorophenol	U		0.313	1.00	1	10/20/2020 06:51	WG1561304
Phenol	U		4.33	10.0	1	10/20/2020 06:51	WG1561304
2,4,5-Trichlorophenol	U	J3	0.109	1.00	1	10/20/2020 06:51	WG1561304
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/20/2020 06:51	WG1561304
(S) 2-Fluorophenol	37.6			10.0-120		10/20/2020 06:51	WG1561304
(S) Phenol-d5	23.5			10.0-120		10/20/2020 06:51	WG1561304
(S) Nitrobenzene-d5	57.9			10.0-127		10/20/2020 06:51	WG1561304
(S) 2-Fluorobiphenyl	69.7			10.0-130		10/20/2020 06:51	WG1561304
(S) 2,4,6-Tribromophenol	58.5			10.0-155		10/20/2020 06:51	WG1561304
(S) p-Terphenyl-d14	70.0			10.0-128		10/20/2020 06:51	WG1561304

1 Cp

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3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 18:41	WG1561281
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 18:41	WG1561281
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 18:41	WG1561281
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 18:41	WG1561281
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 18:41	WG1561281
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 18:41	WG1561281
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 18:41	WG1561281
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 18:41	WG1561281
Chrysene	U		0.0179	0.0500	1	10/19/2020 18:41	WG1561281
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 18:41	WG1561281
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 18:41	WG1561281
Fluoranthene	U		0.0270	0.100	1	10/19/2020 18:41	WG1561281
Fluorene	U		0.0169	0.0500	1	10/19/2020 18:41	WG1561281
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 18:41	WG1561281
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 18:41	WG1561281
Naphthalene	U		0.0917	0.250	1	10/19/2020 18:41	WG1561281
Phenanthrene	0.0346	J	0.0180	0.0500	1	10/19/2020 18:41	WG1561281
Pyrene	U		0.0169	0.0500	1	10/19/2020 18:41	WG1561281
1-Methylnaphthalene	U		0.0687	0.250	1	10/19/2020 18:41	WG1561281
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 18:41	WG1561281
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 18:41	WG1561281
(S) Nitrobenzene-d5	105			31.0-160		10/19/2020 18:41	WG1561281
(S) 2-Fluorobiphenyl	103			48.0-148		10/19/2020 18:41	WG1561281
(S) p-Terphenyl-d14	96.3			37.0-146		10/19/2020 18:41	WG1561281



Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:46	WG1560250

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	10/19/2020 16:46	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 10:43	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 10:43	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 10:43	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 10:43	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 10:43	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 10:43	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 10:43	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 10:43	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 10:43	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 10:43	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 10:43	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 10:43	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 10:43	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 10:43	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 10:43	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 10:43	WG1562631
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/21/2020 10:43	WG1562631
Chloroform	0.182	J	0.111	0.500	1	10/21/2020 10:43	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 10:43	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 10:43	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 10:43	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 10:43	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 10:43	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 10:43	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 10:43	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 10:43	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 10:43	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 10:43	WG1562631
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2020 10:43	WG1562631
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 10:43	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 10:43	WG1562631
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 10:43	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 10:43	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 10:43	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 10:43	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 10:43	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 10:43	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 10:43	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 10:43	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 10:43	WG1562631
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 10:43	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 10:43	WG1562631
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 10:43	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 10:43	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 10:43	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 10:43	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 10:43	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 10:43	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 10:43	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 10/12/20 00:00

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 10:43	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 10:43	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 10:43	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 10:43	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 10:43	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 10:43	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 10:43	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 10:43	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 10:43	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 10:43	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 10:43	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 10:43	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 10:43	WG1562631
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 10:43	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 10:43	WG1562631
Trichloroethene	U		0.190	0.500	1	10/21/2020 10:43	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 10:43	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 10:43	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 10:43	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 10:43	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 10:43	WG1562631
Vinyl acetate	U	JO	0.692	5.00	1	10/21/2020 10:43	WG1562631
Vinyl chloride	U		0.234	0.500	1	10/21/2020 10:43	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 10:43	WG1562631
(S) Toluene-d8	109			80.0-120		10/21/2020 10:43	WG1562631
(S) 4-Bromofluorobenzene	95.5			77.0-126		10/21/2020 10:43	WG1562631
(S) 1,2-Dichloroethane-d4	118			70.0-130		10/21/2020 10:43	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/19/2020 19:31	WG1561303
Atrazine	U		0.255	10.0	1	10/19/2020 19:31	WG1561303
Benzaldehyde	U		1.69	10.0	1	10/19/2020 19:31	WG1561303
Biphenyl	U		0.790	10.0	1	10/19/2020 19:31	WG1561303
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/19/2020 19:31	WG1561303
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/19/2020 19:31	WG1561303
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/19/2020 19:31	WG1561303
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/19/2020 19:31	WG1561303
Caprolactam	U		0.309	10.0	1	10/19/2020 19:31	WG1561303
Carbazole	U		0.111	10.0	1	10/19/2020 19:31	WG1561303
4-Chloroaniline	U		0.234	5.00	1	10/19/2020 19:31	WG1561303
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/19/2020 19:31	WG1561303
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/19/2020 19:31	WG1561303
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/19/2020 19:31	WG1561303
2,6-Dinitrotoluene	U		0.250	5.00	1	10/19/2020 19:31	WG1561303
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/19/2020 19:31	WG1561303
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/19/2020 19:31	WG1561303
Hexachloroethane	U		0.127	5.00	1	10/19/2020 19:31	WG1561303
Isophorone	U		0.143	10.0	1	10/19/2020 19:31	WG1561303
2-Nitroaniline	U		0.102	5.00	1	10/19/2020 19:31	WG1561303
3-Nitroaniline	U		0.0869	5.00	1	10/19/2020 19:31	WG1561303
4-Nitroaniline	U		0.0910	5.00	1	10/19/2020 19:31	WG1561303
Nitrobenzene	U		0.297	10.0	1	10/19/2020 19:31	WG1561303
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/19/2020 19:31	WG1561303
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/19/2020 19:31	WG1561303

ACCOUNT:

Arcadis - Chevron - NY

PROJECT:

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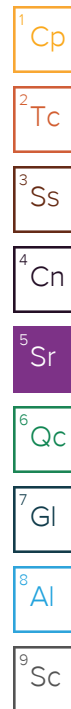


Collected date/time: 10/12/20 00:00

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/19/2020 19:31	WG1561303
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/19/2020 19:31	WG1561303
Di-n-butyl phthalate	U		0.453	3.00	1	10/19/2020 19:31	WG1561303
Diethyl phthalate	U		0.287	3.00	1	10/19/2020 19:31	WG1561303
Dimethyl phthalate	U		0.260	3.00	1	10/19/2020 19:31	WG1561303
Di-n-octyl phthalate	U		0.932	3.00	1	10/19/2020 19:31	WG1561303
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/19/2020 19:31	WG1561303
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/19/2020 19:31	WG1561303
2-Chlorophenol	U		0.133	1.00	1	10/19/2020 19:31	WG1561303
2-Methylphenol	U		0.0929	1.00	1	10/19/2020 19:31	WG1561303
3&4-Methyl Phenol	U		0.168	1.00	1	10/19/2020 19:31	WG1561303
2,4-Dichlorophenol	U		0.102	5.00	1	10/19/2020 19:31	WG1561303
2,4-Dimethylphenol	U		0.0636	10.0	1	10/19/2020 19:31	WG1561303
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/19/2020 19:31	WG1561303
2,4-Dinitrophenol	U		5.93	10.0	1	10/19/2020 19:31	WG1561303
2-Nitrophenol	U		0.117	1.00	1	10/19/2020 19:31	WG1561303
4-Nitrophenol	U		0.143	10.0	1	10/19/2020 19:31	WG1561303
Pentachlorophenol	U		0.313	1.00	1	10/19/2020 19:31	WG1561303
Phenol	U		4.33	10.0	1	10/19/2020 19:31	WG1561303
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/19/2020 19:31	WG1561303
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/19/2020 19:31	WG1561303
(S) 2-Fluorophenol	24.9			10.0-120		10/19/2020 19:31	WG1561303
(S) Phenol-d5	15.8			10.0-120		10/19/2020 19:31	WG1561303
(S) Nitrobenzene-d5	39.0			10.0-127		10/19/2020 19:31	WG1561303
(S) 2-Fluorobiphenyl	54.1			10.0-130		10/19/2020 19:31	WG1561303
(S) 2,4,6-Tribromophenol	45.3			10.0-155		10/19/2020 19:31	WG1561303
(S) p-Terphenyl-d14	75.1			10.0-128		10/19/2020 19:31	WG1561303



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 06:00	WG1561279
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 06:00	WG1561279
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 06:00	WG1561279
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 06:00	WG1561279
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 06:00	WG1561279
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 06:00	WG1561279
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 06:00	WG1561279
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 06:00	WG1561279
Chrysene	U		0.0179	0.0500	1	10/19/2020 06:00	WG1561279
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 06:00	WG1561279
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 06:00	WG1561279
Fluoranthene	U		0.0270	0.100	1	10/19/2020 06:00	WG1561279
Fluorene	U		0.0169	0.0500	1	10/19/2020 06:00	WG1561279
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 06:00	WG1561279
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 06:00	WG1561279
Naphthalene	U		0.0917	0.250	1	10/19/2020 06:00	WG1561279
Phenanthrene	U		0.0180	0.0500	1	10/19/2020 06:00	WG1561279
Pyrene	U		0.0169	0.0500	1	10/19/2020 06:00	WG1561279
1-Methylnaphthalene	U		0.0687	0.250	1	10/19/2020 06:00	WG1561279
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 06:00	WG1561279
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 06:00	WG1561279
(S) Nitrobenzene-d5	98.5			31.0-160		10/19/2020 06:00	WG1561279
(S) 2-Fluorobiphenyl	98.0			48.0-148		10/19/2020 06:00	WG1561279
(S) p-Terphenyl-d14	99.0			37.0-146		10/19/2020 06:00	WG1561279



Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:50	WG1560250

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	10/19/2020 17:09	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 07:18	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 07:18	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 07:18	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 07:18	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 07:18	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 07:18	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 07:18	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 07:18	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 07:18	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 07:18	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 07:18	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 07:18	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 07:18	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 07:18	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 07:18	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 07:18	WG1562631
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/21/2020 07:18	WG1562631
Chloroform	U		0.111	0.500	1	10/21/2020 07:18	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 07:18	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 07:18	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 07:18	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 07:18	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 07:18	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 07:18	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 07:18	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 07:18	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 07:18	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 07:18	WG1562631
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2020 07:18	WG1562631
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 07:18	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 07:18	WG1562631
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 07:18	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 07:18	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 07:18	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 07:18	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 07:18	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 07:18	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 07:18	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 07:18	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 07:18	WG1562631
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 07:18	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 07:18	WG1562631
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 07:18	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 07:18	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 07:18	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 07:18	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 07:18	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 07:18	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 07:18	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 10/13/20 16:40

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 07:18	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 07:18	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 07:18	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 07:18	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 07:18	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 07:18	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 07:18	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 07:18	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 07:18	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 07:18	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 07:18	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 07:18	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 07:18	WG1562631
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 07:18	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 07:18	WG1562631
Trichloroethene	U		0.190	0.500	1	10/21/2020 07:18	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 07:18	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 07:18	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 07:18	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 07:18	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 07:18	WG1562631
Vinyl acetate	U	JO	0.692	5.00	1	10/21/2020 07:18	WG1562631
Vinyl chloride	U		0.234	0.500	1	10/21/2020 07:18	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 07:18	WG1562631
(S) Toluene-d8	110			80.0-120		10/21/2020 07:18	WG1562631
(S) 4-Bromofluorobenzene	99.4			77.0-126		10/21/2020 07:18	WG1562631
(S) 1,2-Dichloroethane-d4	115			70.0-130		10/21/2020 07:18	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/20/2020 07:13	WG1561304
Atrazine	U		0.255	10.0	1	10/20/2020 07:13	WG1561304
Benzaldehyde	U		1.69	10.0	1	10/20/2020 07:13	WG1561304
Biphenyl	U		0.790	10.0	1	10/20/2020 07:13	WG1561304
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/20/2020 07:13	WG1561304
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/20/2020 07:13	WG1561304
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/20/2020 07:13	WG1561304
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/20/2020 07:13	WG1561304
Caprolactam	U		0.309	10.0	1	10/20/2020 07:13	WG1561304
Carbazole	U		0.111	10.0	1	10/20/2020 07:13	WG1561304
4-Chloroaniline	U		0.234	5.00	1	10/20/2020 07:13	WG1561304
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/20/2020 07:13	WG1561304
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/20/2020 07:13	WG1561304
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/20/2020 07:13	WG1561304
2,6-Dinitrotoluene	U		0.250	5.00	1	10/20/2020 07:13	WG1561304
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/20/2020 07:13	WG1561304
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/20/2020 07:13	WG1561304
Hexachloroethane	U		0.127	5.00	1	10/20/2020 07:13	WG1561304
Isophorone	U		0.143	10.0	1	10/20/2020 07:13	WG1561304
2-Nitroaniline	U		0.102	5.00	1	10/20/2020 07:13	WG1561304
3-Nitroaniline	U		0.0869	5.00	1	10/20/2020 07:13	WG1561304
4-Nitroaniline	U		0.0910	5.00	1	10/20/2020 07:13	WG1561304
Nitrobenzene	U		0.297	10.0	1	10/20/2020 07:13	WG1561304
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/20/2020 07:13	WG1561304
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/20/2020 07:13	WG1561304

ACCOUNT:

Arcadis - Chevron - NY

PROJECT:

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10/26/20 23:00

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Collected date/time: 10/13/20 16:40

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/20/2020 07:13	WG1561304
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/20/2020 07:13	WG1561304
Di-n-butyl phthalate	U		0.453	3.00	1	10/20/2020 07:13	WG1561304
Diethyl phthalate	U		0.287	3.00	1	10/20/2020 07:13	WG1561304
Dimethyl phthalate	U		0.260	3.00	1	10/20/2020 07:13	WG1561304
Di-n-octyl phthalate	U		0.932	3.00	1	10/20/2020 07:13	WG1561304
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/20/2020 07:13	WG1561304
4-Chloro-3-methylphenol	U	<u>J3</u>	0.131	1.00	1	10/20/2020 07:13	WG1561304
2-Chlorophenol	U		0.133	1.00	1	10/20/2020 07:13	WG1561304
2-Methylphenol	U		0.0929	1.00	1	10/20/2020 07:13	WG1561304
3&4-Methyl Phenol	U		0.168	1.00	1	10/20/2020 07:13	WG1561304
2,4-Dichlorophenol	U		0.102	5.00	1	10/20/2020 07:13	WG1561304
2,4-Dimethylphenol	U		0.0636	10.0	1	10/20/2020 07:13	WG1561304
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/20/2020 07:13	WG1561304
2,4-Dinitrophenol	U		5.93	10.0	1	10/20/2020 07:13	WG1561304
2-Nitrophenol	U		0.117	1.00	1	10/20/2020 07:13	WG1561304
4-Nitrophenol	U		0.143	10.0	1	10/20/2020 07:13	WG1561304
Pentachlorophenol	U		0.313	1.00	1	10/20/2020 07:13	WG1561304
Phenol	U		4.33	10.0	1	10/20/2020 07:13	WG1561304
2,4,5-Trichlorophenol	U	<u>J3</u>	0.109	1.00	1	10/20/2020 07:13	WG1561304
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/20/2020 07:13	WG1561304
(S) 2-Fluorophenol	38.5			10.0-120		10/20/2020 07:13	WG1561304
(S) Phenol-d5	24.5			10.0-120		10/20/2020 07:13	WG1561304
(S) Nitrobenzene-d5	60.7			10.0-127		10/20/2020 07:13	WG1561304
(S) 2-Fluorobiphenyl	73.6			10.0-130		10/20/2020 07:13	WG1561304
(S) 2,4,6-Tribromophenol	68.5			10.0-155		10/20/2020 07:13	WG1561304
(S) p-Terphenyl-d14	76.5			10.0-128		10/20/2020 07:13	WG1561304

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

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 18:58	WG1561281
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 18:58	WG1561281
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 18:58	WG1561281
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 18:58	WG1561281
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 18:58	WG1561281
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 18:58	WG1561281
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 18:58	WG1561281
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 18:58	WG1561281
Chrysene	U		0.0179	0.0500	1	10/19/2020 18:58	WG1561281
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 18:58	WG1561281
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 18:58	WG1561281
Fluoranthene	U		0.0270	0.100	1	10/19/2020 18:58	WG1561281
Fluorene	U		0.0169	0.0500	1	10/19/2020 18:58	WG1561281
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 18:58	WG1561281
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 18:58	WG1561281
Naphthalene	U		0.0917	0.250	1	10/19/2020 18:58	WG1561281
Phenanthrene	U		0.0180	0.0500	1	10/19/2020 18:58	WG1561281
Pyrene	U		0.0169	0.0500	1	10/19/2020 18:58	WG1561281
1-Methylnaphthalene	U		0.0687	0.250	1	10/19/2020 18:58	WG1561281
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 18:58	WG1561281
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 18:58	WG1561281
(S) Nitrobenzene-d5	106			31.0-160		10/19/2020 18:58	WG1561281
(S) 2-Fluorobiphenyl	106			48.0-148		10/19/2020 18:58	WG1561281
(S) p-Terphenyl-d14	106			37.0-146		10/19/2020 18:58	WG1561281



Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:53	WG1560250

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	10/19/2020 17:32	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 07:37	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 07:37	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 07:37	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 07:37	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 07:37	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 07:37	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 07:37	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 07:37	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 07:37	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 07:37	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 07:37	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 07:37	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 07:37	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 07:37	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 07:37	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 07:37	WG1562631
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/21/2020 07:37	WG1562631
Chloroform	U		0.111	0.500	1	10/21/2020 07:37	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 07:37	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 07:37	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 07:37	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 07:37	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 07:37	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 07:37	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 07:37	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 07:37	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 07:37	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 07:37	WG1562631
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2020 07:37	WG1562631
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 07:37	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 07:37	WG1562631
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 07:37	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 07:37	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 07:37	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 07:37	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 07:37	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 07:37	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 07:37	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 07:37	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 07:37	WG1562631
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 07:37	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 07:37	WG1562631
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 07:37	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 07:37	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 07:37	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 07:37	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 07:37	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 07:37	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 07:37	WG1562631

1 Cp

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Collected date/time: 10/12/20 16:30

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 07:37	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 07:37	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 07:37	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 07:37	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 07:37	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 07:37	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 07:37	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 07:37	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 07:37	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 07:37	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 07:37	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 07:37	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 07:37	WG1562631
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 07:37	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 07:37	WG1562631
Trichloroethene	U		0.190	0.500	1	10/21/2020 07:37	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 07:37	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 07:37	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 07:37	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 07:37	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 07:37	WG1562631
Vinyl acetate	U	JO	0.692	5.00	1	10/21/2020 07:37	WG1562631
Vinyl chloride	U		0.234	0.500	1	10/21/2020 07:37	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 07:37	WG1562631
(S) Toluene-d8	110			80.0-120		10/21/2020 07:37	WG1562631
(S) 4-Bromofluorobenzene	99.7			77.0-126		10/21/2020 07:37	WG1562631
(S) 1,2-Dichloroethane-d4	112			70.0-130		10/21/2020 07:37	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	U		0.0447	0.400	1	10/19/2020 19:20	WG1561299
(S) Nitrobenzene-d5	67.1			10.0-120		10/19/2020 19:20	WG1561299

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/19/2020 16:23	WG1561303
Atrazine	U		0.255	10.0	1	10/19/2020 16:23	WG1561303
Benzaldehyde	U		1.69	10.0	1	10/19/2020 16:23	WG1561303
Biphenyl	U		0.790	10.0	1	10/19/2020 16:23	WG1561303
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/19/2020 16:23	WG1561303
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/19/2020 16:23	WG1561303
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/19/2020 16:23	WG1561303
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/19/2020 16:23	WG1561303
Caprolactam	U		0.309	10.0	1	10/19/2020 16:23	WG1561303
Carbazole	U		0.111	10.0	1	10/19/2020 16:23	WG1561303
4-Chloroaniline	U		0.234	5.00	1	10/19/2020 16:23	WG1561303
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/19/2020 16:23	WG1561303
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/19/2020 16:23	WG1561303
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/19/2020 16:23	WG1561303
2,6-Dinitrotoluene	U		0.250	5.00	1	10/19/2020 16:23	WG1561303
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/19/2020 16:23	WG1561303
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/19/2020 16:23	WG1561303
Hexachloroethane	U		0.127	5.00	1	10/19/2020 16:23	WG1561303



Collected date/time: 10/12/20 16:30

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isophorone	U		0.143	10.0	1	10/19/2020 16:23	WG1561303
2-Nitroaniline	U		0.102	5.00	1	10/19/2020 16:23	WG1561303
3-Nitroaniline	U		0.0869	5.00	1	10/19/2020 16:23	WG1561303
4-Nitroaniline	U		0.0910	5.00	1	10/19/2020 16:23	WG1561303
Nitrobenzene	U		0.297	10.0	1	10/19/2020 16:23	WG1561303
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/19/2020 16:23	WG1561303
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/19/2020 16:23	WG1561303
Benzylbutyl phthalate	U		0.765	3.00	1	10/19/2020 16:23	WG1561303
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/19/2020 16:23	WG1561303
Di-n-butyl phthalate	U		0.453	3.00	1	10/19/2020 16:23	WG1561303
Diethyl phthalate	U		0.287	3.00	1	10/19/2020 16:23	WG1561303
Dimethyl phthalate	U		0.260	3.00	1	10/19/2020 16:23	WG1561303
Di-n-octyl phthalate	U		0.932	3.00	1	10/19/2020 16:23	WG1561303
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/19/2020 16:23	WG1561303
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/19/2020 16:23	WG1561303
2-Chlorophenol	U		0.133	1.00	1	10/19/2020 16:23	WG1561303
2-Methylphenol	U		0.0929	1.00	1	10/19/2020 16:23	WG1561303
3&4-Methyl Phenol	U		0.168	1.00	1	10/19/2020 16:23	WG1561303
2,4-Dichlorophenol	U		0.102	5.00	1	10/19/2020 16:23	WG1561303
2,4-Dimethylphenol	U		0.0636	10.0	1	10/19/2020 16:23	WG1561303
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/19/2020 16:23	WG1561303
2,4-Dinitrophenol	U		5.93	10.0	1	10/19/2020 16:23	WG1561303
2-Nitrophenol	U		0.117	1.00	1	10/19/2020 16:23	WG1561303
4-Nitrophenol	U		0.143	10.0	1	10/19/2020 16:23	WG1561303
Pentachlorophenol	U		0.313	1.00	1	10/19/2020 16:23	WG1561303
Phenol	U		4.33	10.0	1	10/19/2020 16:23	WG1561303
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/19/2020 16:23	WG1561303
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/19/2020 16:23	WG1561303
(S) 2-Fluorophenol	25.1			10.0-120		10/19/2020 16:23	WG1561303
(S) Phenol-d5	15.7			10.0-120		10/19/2020 16:23	WG1561303
(S) Nitrobenzene-d5	36.5			10.0-127		10/19/2020 16:23	WG1561303
(S) 2-Fluorobiphenyl	48.4			10.0-130		10/19/2020 16:23	WG1561303
(S) 2,4,6-Tribromophenol	48.2			10.0-155		10/19/2020 16:23	WG1561303
(S) p-Terphenyl-d14	71.7			10.0-128		10/19/2020 16:23	WG1561303

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

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 06:20	WG1561279
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 06:20	WG1561279
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 06:20	WG1561279
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 06:20	WG1561279
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 06:20	WG1561279
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 06:20	WG1561279
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 06:20	WG1561279
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 06:20	WG1561279
Chrysene	U		0.0179	0.0500	1	10/19/2020 06:20	WG1561279
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 06:20	WG1561279
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 06:20	WG1561279
Fluoranthene	U		0.0270	0.100	1	10/19/2020 06:20	WG1561279
Fluorene	U		0.0169	0.0500	1	10/19/2020 06:20	WG1561279
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 06:20	WG1561279
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 06:20	WG1561279
Naphthalene	U		0.0917	0.250	1	10/19/2020 06:20	WG1561279
Phenanthrene	U		0.0180	0.0500	1	10/19/2020 06:20	WG1561279
Pyrene	U		0.0169	0.0500	1	10/19/2020 06:20	WG1561279



Collected date/time: 10/12/20 16:30

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

Analyte	Result ug/l	<u>Qualifier</u>	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	<u>Batch</u>
1-Methylnaphthalene	U		0.0687	0.250	1	10/19/2020 06:20	WG1561279
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 06:20	WG1561279
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 06:20	WG1561279
(S) Nitrobenzene-d5	99.0			31.0-160		10/19/2020 06:20	WG1561279
(S) 2-Fluorobiphenyl	96.5			48.0-148		10/19/2020 06:20	WG1561279
(S) p-Terphenyl-d14	101			37.0-146		10/19/2020 06:20	WG1561279

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ 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	
Acetone	U		11.3	25.0	1	10/20/2020 20:56	WG1562492
Acrylonitrile	U		0.671	5.00	1	10/20/2020 20:56	WG1562492
Benzene	U		0.0941	0.500	1	10/20/2020 20:56	WG1562492
Bromobenzene	U	<u>JO</u>	0.118	0.500	1	10/20/2020 20:56	WG1562492
Bromodichloromethane	U		0.136	0.500	1	10/20/2020 20:56	WG1562492
Bromochloromethane	U		0.128	0.500	1	10/20/2020 20:56	WG1562492
Bromoform	U		0.129	0.500	1	10/20/2020 20:56	WG1562492
Bromomethane	U		0.605	2.50	1	10/20/2020 20:56	WG1562492
n-Butylbenzene	U		0.157	0.500	1	10/20/2020 20:56	WG1562492
sec-Butylbenzene	U		0.125	0.500	1	10/20/2020 20:56	WG1562492
tert-Butylbenzene	U		0.127	0.500	1	10/20/2020 20:56	WG1562492
Carbon disulfide	U		0.0962	0.500	1	10/20/2020 20:56	WG1562492
Carbon tetrachloride	U		0.128	0.500	1	10/20/2020 20:56	WG1562492
Chlorobenzene	U		0.117	0.500	1	10/20/2020 20:56	WG1562492
Chlorodibromomethane	U		0.140	0.500	1	10/20/2020 20:56	WG1562492
Chloroethane	U	<u>JO</u>	0.192	2.50	1	10/20/2020 20:56	WG1562492
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/20/2020 20:56	WG1562492
Chloroform	U		0.111	0.500	1	10/20/2020 20:56	WG1562492
Chloromethane	U		0.960	1.25	1	10/20/2020 20:56	WG1562492
2-Chlorotoluene	U		0.106	0.500	1	10/20/2020 20:56	WG1562492
4-Chlorotoluene	U		0.114	0.500	1	10/20/2020 20:56	WG1562492
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/20/2020 20:56	WG1562492
1,2-Dibromoethane	U		0.126	0.500	1	10/20/2020 20:56	WG1562492
Dibromomethane	U		0.122	0.500	1	10/20/2020 20:56	WG1562492
1,2-Dichlorobenzene	U		0.107	0.500	1	10/20/2020 20:56	WG1562492
1,3-Dichlorobenzene	U		0.299	0.500	1	10/20/2020 20:56	WG1562492
1,4-Dichlorobenzene	U		0.120	0.500	1	10/20/2020 20:56	WG1562492
Dichlorodifluoromethane	U		0.374	2.50	1	10/20/2020 20:56	WG1562492
1,1-Dichloroethane	U		0.100	0.500	1	10/20/2020 20:56	WG1562492
1,2-Dichloroethane	U		0.0819	0.500	1	10/20/2020 20:56	WG1562492
1,1-Dichloroethene	U		0.188	0.500	1	10/20/2020 20:56	WG1562492
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/20/2020 20:56	WG1562492
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/20/2020 20:56	WG1562492
1,2-Dichloropropane	U		0.149	0.500	1	10/20/2020 20:56	WG1562492
1,1-Dichloropropene	U		0.142	0.500	1	10/20/2020 20:56	WG1562492
1,3-Dichloropropane	U		0.109	1.00	1	10/20/2020 20:56	WG1562492
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/20/2020 20:56	WG1562492
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/20/2020 20:56	WG1562492
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/20/2020 20:56	WG1562492
2,2-Dichloropropane	U		0.161	0.500	1	10/20/2020 20:56	WG1562492
Di-isopropyl ether	U		0.105	0.500	1	10/20/2020 20:56	WG1562492
Ethylbenzene	U		0.137	0.500	1	10/20/2020 20:56	WG1562492
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/20/2020 20:56	WG1562492
2-Hexanone	U		0.787	5.00	1	10/20/2020 20:56	WG1562492
n-Hexane	U		0.749	5.00	1	10/20/2020 20:56	WG1562492
Iodomethane	U		0.554	5.00	1	10/20/2020 20:56	WG1562492
Isopropylbenzene	U		0.105	0.500	1	10/20/2020 20:56	WG1562492
p-Isopropyltoluene	U		0.120	0.500	1	10/20/2020 20:56	WG1562492
2-Butanone (MEK)	U		1.19	5.00	1	10/20/2020 20:56	WG1562492
Methylene Chloride	U		0.430	2.50	1	10/20/2020 20:56	WG1562492
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/20/2020 20:56	WG1562492
Methyl tert-butyl ether	U		0.101	0.500	1	10/20/2020 20:56	WG1562492
Naphthalene	U		0.174	2.50	1	10/20/2020 20:56	WG1562492
n-Propylbenzene	U		0.0993	0.500	1	10/20/2020 20:56	WG1562492
Styrene	U		0.118	0.500	1	10/20/2020 20:56	WG1562492
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/20/2020 20:56	WG1562492

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 10/12/20 00:00

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/20/2020 20:56	WG1562492
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/20/2020 20:56	WG1562492
Tetrachloroethene	U		0.300	0.500	1	10/20/2020 20:56	WG1562492
Toluene	U		0.278	0.500	1	10/20/2020 20:56	WG1562492
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/20/2020 20:56	WG1562492
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/20/2020 20:56	WG1562492
1,1,1-Trichloroethane	U		0.149	0.500	1	10/20/2020 20:56	WG1562492
1,1,2-Trichloroethane	U		0.158	0.500	1	10/20/2020 20:56	WG1562492
Trichloroethene	U		0.190	0.500	1	10/20/2020 20:56	WG1562492
Trichlorofluoromethane	U	JO	0.160	2.50	1	10/20/2020 20:56	WG1562492
1,2,3-Trichloropropane	U		0.237	2.50	1	10/20/2020 20:56	WG1562492
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/20/2020 20:56	WG1562492
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/20/2020 20:56	WG1562492
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/20/2020 20:56	WG1562492
Vinyl acetate	U		0.692	5.00	1	10/20/2020 20:56	WG1562492
Vinyl chloride	U	JO	0.234	0.500	1	10/20/2020 20:56	WG1562492
Xylenes, Total	U		0.174	1.50	1	10/20/2020 20:56	WG1562492
(S) Toluene-d8	111			80.0-120		10/20/2020 20:56	WG1562492
(S) 4-Bromofluorobenzene	92.0			77.0-126		10/20/2020 20:56	WG1562492
(S) 1,2-Dichloroethane-d4	102			70.0-130		10/20/2020 20:56	WG1562492

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 10/13/20 14:50

L1273359

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/20/2020 21:16	WG1562492
Acrylonitrile	U		0.671	5.00	1	10/20/2020 21:16	WG1562492
Benzene	U		0.0941	0.500	1	10/20/2020 21:16	WG1562492
Bromobenzene	U	<u>JO</u>	0.118	0.500	1	10/20/2020 21:16	WG1562492
Bromodichloromethane	U		0.136	0.500	1	10/20/2020 21:16	WG1562492
Bromochloromethane	U		0.128	0.500	1	10/20/2020 21:16	WG1562492
Bromoform	U		0.129	0.500	1	10/20/2020 21:16	WG1562492
Bromomethane	U		0.605	2.50	1	10/20/2020 21:16	WG1562492
n-Butylbenzene	U		0.157	0.500	1	10/20/2020 21:16	WG1562492
sec-Butylbenzene	U		0.125	0.500	1	10/20/2020 21:16	WG1562492
tert-Butylbenzene	U		0.127	0.500	1	10/20/2020 21:16	WG1562492
Carbon disulfide	U		0.0962	0.500	1	10/20/2020 21:16	WG1562492
Carbon tetrachloride	U		0.128	0.500	1	10/20/2020 21:16	WG1562492
Chlorobenzene	U		0.117	0.500	1	10/20/2020 21:16	WG1562492
Chlorodibromomethane	U		0.140	0.500	1	10/20/2020 21:16	WG1562492
Chloroethane	U	<u>JO</u>	0.192	2.50	1	10/20/2020 21:16	WG1562492
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/20/2020 21:16	WG1562492
Chloroform	U		0.111	0.500	1	10/20/2020 21:16	WG1562492
Chloromethane	U		0.960	1.25	1	10/20/2020 21:16	WG1562492
2-Chlorotoluene	U		0.106	0.500	1	10/20/2020 21:16	WG1562492
4-Chlorotoluene	U		0.114	0.500	1	10/20/2020 21:16	WG1562492
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/20/2020 21:16	WG1562492
1,2-Dibromoethane	U		0.126	0.500	1	10/20/2020 21:16	WG1562492
Dibromomethane	U		0.122	0.500	1	10/20/2020 21:16	WG1562492
1,2-Dichlorobenzene	U		0.107	0.500	1	10/20/2020 21:16	WG1562492
1,3-Dichlorobenzene	U		0.299	0.500	1	10/20/2020 21:16	WG1562492
1,4-Dichlorobenzene	U		0.120	0.500	1	10/20/2020 21:16	WG1562492
Dichlorodifluoromethane	U		0.374	2.50	1	10/20/2020 21:16	WG1562492
1,1-Dichloroethane	U		0.100	0.500	1	10/20/2020 21:16	WG1562492
1,2-Dichloroethane	U		0.0819	0.500	1	10/20/2020 21:16	WG1562492
1,1-Dichloroethene	U		0.188	0.500	1	10/20/2020 21:16	WG1562492
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/20/2020 21:16	WG1562492
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/20/2020 21:16	WG1562492
1,2-Dichloropropane	U		0.149	0.500	1	10/20/2020 21:16	WG1562492
1,1-Dichloropropene	U		0.142	0.500	1	10/20/2020 21:16	WG1562492
1,3-Dichloropropane	U		0.109	1.00	1	10/20/2020 21:16	WG1562492
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/20/2020 21:16	WG1562492
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/20/2020 21:16	WG1562492
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/20/2020 21:16	WG1562492
2,2-Dichloropropane	U		0.161	0.500	1	10/20/2020 21:16	WG1562492
Di-isopropyl ether	U		0.105	0.500	1	10/20/2020 21:16	WG1562492
Ethylbenzene	U		0.137	0.500	1	10/20/2020 21:16	WG1562492
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/20/2020 21:16	WG1562492
2-Hexanone	U		0.787	5.00	1	10/20/2020 21:16	WG1562492
n-Hexane	U		0.749	5.00	1	10/20/2020 21:16	WG1562492
Iodomethane	U		0.554	5.00	1	10/20/2020 21:16	WG1562492
Isopropylbenzene	U		0.105	0.500	1	10/20/2020 21:16	WG1562492
p-Isopropyltoluene	U		0.120	0.500	1	10/20/2020 21:16	WG1562492
2-Butanone (MEK)	U		1.19	5.00	1	10/20/2020 21:16	WG1562492
Methylene Chloride	U		0.430	2.50	1	10/20/2020 21:16	WG1562492
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/20/2020 21:16	WG1562492
Methyl tert-butyl ether	U		0.101	0.500	1	10/20/2020 21:16	WG1562492
Naphthalene	U		0.174	2.50	1	10/20/2020 21:16	WG1562492
n-Propylbenzene	U		0.0993	0.500	1	10/20/2020 21:16	WG1562492
Styrene	U		0.118	0.500	1	10/20/2020 21:16	WG1562492
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/20/2020 21:16	WG1562492

1 Cp

2 Tc

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Collected date/time: 10/13/20 14:50

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/20/2020 21:16	WG1562492
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/20/2020 21:16	WG1562492
Tetrachloroethene	U		0.300	0.500	1	10/20/2020 21:16	WG1562492
Toluene	U		0.278	0.500	1	10/20/2020 21:16	WG1562492
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/20/2020 21:16	WG1562492
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/20/2020 21:16	WG1562492
1,1,1-Trichloroethane	U		0.149	0.500	1	10/20/2020 21:16	WG1562492
1,1,2-Trichloroethane	U		0.158	0.500	1	10/20/2020 21:16	WG1562492
Trichloroethene	U		0.190	0.500	1	10/20/2020 21:16	WG1562492
Trichlorofluoromethane	U	JO	0.160	2.50	1	10/20/2020 21:16	WG1562492
1,2,3-Trichloropropane	U		0.237	2.50	1	10/20/2020 21:16	WG1562492
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/20/2020 21:16	WG1562492
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/20/2020 21:16	WG1562492
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/20/2020 21:16	WG1562492
Vinyl acetate	U		0.692	5.00	1	10/20/2020 21:16	WG1562492
Vinyl chloride	U	JO	0.234	0.500	1	10/20/2020 21:16	WG1562492
Xylenes, Total	U		0.174	1.50	1	10/20/2020 21:16	WG1562492
(S) Toluene-d8	106			80.0-120		10/20/2020 21:16	WG1562492
(S) 4-Bromofluorobenzene	91.5			77.0-126		10/20/2020 21:16	WG1562492
(S) 1,2-Dichloroethane-d4	103			70.0-130		10/20/2020 21:16	WG1562492

1 Cp

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Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:57	WG1560250

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	10/19/2020 17:56	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 01:42	WG1562492
Acrylonitrile	U		0.671	5.00	1	10/21/2020 01:42	WG1562492
Benzene	U		0.0941	0.500	1	10/21/2020 01:42	WG1562492
Bromobenzene	U	JO	0.118	0.500	1	10/21/2020 01:42	WG1562492
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 01:42	WG1562492
Bromochloromethane	U		0.128	0.500	1	10/21/2020 01:42	WG1562492
Bromoform	U		0.129	0.500	1	10/21/2020 01:42	WG1562492
Bromomethane	U		0.605	2.50	1	10/21/2020 01:42	WG1562492
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 01:42	WG1562492
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 01:42	WG1562492
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 01:42	WG1562492
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 01:42	WG1562492
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 01:42	WG1562492
Chlorobenzene	U		0.117	0.500	1	10/21/2020 01:42	WG1562492
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 01:42	WG1562492
Chloroethane	U	JO	0.192	2.50	1	10/21/2020 01:42	WG1562492
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/21/2020 01:42	WG1562492
Chloroform	U		0.111	0.500	1	10/21/2020 01:42	WG1562492
Chloromethane	U		0.960	1.25	1	10/21/2020 01:42	WG1562492
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 01:42	WG1562492
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 01:42	WG1562492
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 01:42	WG1562492
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 01:42	WG1562492
Dibromomethane	U		0.122	0.500	1	10/21/2020 01:42	WG1562492
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 01:42	WG1562492
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 01:42	WG1562492
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 01:42	WG1562492
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 01:42	WG1562492
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2020 01:42	WG1562492
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 01:42	WG1562492
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 01:42	WG1562492
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 01:42	WG1562492
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 01:42	WG1562492
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 01:42	WG1562492
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 01:42	WG1562492
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 01:42	WG1562492
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 01:42	WG1562492
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 01:42	WG1562492
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 01:42	WG1562492
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 01:42	WG1562492
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 01:42	WG1562492
Ethylbenzene	U		0.137	0.500	1	10/21/2020 01:42	WG1562492
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 01:42	WG1562492
2-Hexanone	U		0.787	5.00	1	10/21/2020 01:42	WG1562492
n-Hexane	U		0.749	5.00	1	10/21/2020 01:42	WG1562492
Iodomethane	U		0.554	5.00	1	10/21/2020 01:42	WG1562492
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 01:42	WG1562492
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 01:42	WG1562492
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 01:42	WG1562492

1 Cp

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Collected date/time: 10/13/20 12:45

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 01:42	WG1562492
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 01:42	WG1562492
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 01:42	WG1562492
Naphthalene	U		0.174	2.50	1	10/21/2020 01:42	WG1562492
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 01:42	WG1562492
Styrene	U		0.118	0.500	1	10/21/2020 01:42	WG1562492
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 01:42	WG1562492
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 01:42	WG1562492
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 01:42	WG1562492
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 01:42	WG1562492
Toluene	U		0.278	0.500	1	10/21/2020 01:42	WG1562492
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 01:42	WG1562492
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 01:42	WG1562492
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 01:42	WG1562492
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 01:42	WG1562492
Trichloroethene	U		0.190	0.500	1	10/21/2020 01:42	WG1562492
Trichlorofluoromethane	U	<u>JO</u>	0.160	2.50	1	10/21/2020 01:42	WG1562492
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 01:42	WG1562492
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 01:42	WG1562492
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 01:42	WG1562492
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 01:42	WG1562492
Vinyl acetate	U		0.692	5.00	1	10/21/2020 01:42	WG1562492
Vinyl chloride	U	<u>JO</u>	0.234	0.500	1	10/21/2020 01:42	WG1562492
Xylenes, Total	0.223	<u>J</u>	0.174	1.50	1	10/21/2020 01:42	WG1562492
(S) Toluene-d8	113			80.0-120		10/21/2020 01:42	WG1562492
(S) 4-Bromofluorobenzene	92.4			77.0-126		10/21/2020 01:42	WG1562492
(S) 1,2-Dichloroethane-d4	104			70.0-130		10/21/2020 01:42	WG1562492

1 Cp

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6 Qc

7 Gl

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/20/2020 07:34	WG1561304
Atrazine	U		0.255	10.0	1	10/20/2020 07:34	WG1561304
Benzaldehyde	U		1.69	10.0	1	10/20/2020 07:34	WG1561304
Biphenyl	U		0.790	10.0	1	10/20/2020 07:34	WG1561304
Bis(2-chloroethoxy)methane	U		0.116	5.00	1	10/20/2020 07:34	WG1561304
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/20/2020 07:34	WG1561304
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/20/2020 07:34	WG1561304
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/20/2020 07:34	WG1561304
Caprolactam	U		0.309	10.0	1	10/20/2020 07:34	WG1561304
Carbazole	U		0.111	10.0	1	10/20/2020 07:34	WG1561304
4-Chloroaniline	U		0.234	5.00	1	10/20/2020 07:34	WG1561304
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/20/2020 07:34	WG1561304
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/20/2020 07:34	WG1561304
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/20/2020 07:34	WG1561304
2,6-Dinitrotoluene	U		0.250	5.00	1	10/20/2020 07:34	WG1561304
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/20/2020 07:34	WG1561304
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/20/2020 07:34	WG1561304
Hexachloroethane	U		0.127	5.00	1	10/20/2020 07:34	WG1561304
Isophorone	U		0.143	10.0	1	10/20/2020 07:34	WG1561304
2-Nitroaniline	U		0.102	5.00	1	10/20/2020 07:34	WG1561304
3-Nitroaniline	U		0.0869	5.00	1	10/20/2020 07:34	WG1561304
4-Nitroaniline	U		0.0910	5.00	1	10/20/2020 07:34	WG1561304
Nitrobenzene	U		0.297	10.0	1	10/20/2020 07:34	WG1561304
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/20/2020 07:34	WG1561304
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/20/2020 07:34	WG1561304

ACCOUNT:

Arcadis - Chevron - NY

PROJECT:

30043615

SDG:

L1273359

DATE/TIME:

10/26/20 23:00

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Collected date/time: 10/13/20 12:45

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/20/2020 07:34	WG1561304
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/20/2020 07:34	WG1561304
Di-n-butyl phthalate	U		0.453	3.00	1	10/20/2020 07:34	WG1561304
Diethyl phthalate	U		0.287	3.00	1	10/20/2020 07:34	WG1561304
Dimethyl phthalate	U		0.260	3.00	1	10/20/2020 07:34	WG1561304
Di-n-octyl phthalate	U		0.932	3.00	1	10/20/2020 07:34	WG1561304
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/20/2020 07:34	WG1561304
4-Chloro-3-methylphenol	U	J3	0.131	1.00	1	10/20/2020 07:34	WG1561304
2-Chlorophenol	U		0.133	1.00	1	10/20/2020 07:34	WG1561304
2-Methylphenol	U		0.0929	1.00	1	10/20/2020 07:34	WG1561304
3&4-Methyl Phenol	U		0.168	1.00	1	10/20/2020 07:34	WG1561304
2,4-Dichlorophenol	U		0.102	5.00	1	10/20/2020 07:34	WG1561304
2,4-Dimethylphenol	U		0.0636	10.0	1	10/20/2020 07:34	WG1561304
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/20/2020 07:34	WG1561304
2,4-Dinitrophenol	U		5.93	10.0	1	10/20/2020 07:34	WG1561304
2-Nitrophenol	U		0.117	1.00	1	10/20/2020 07:34	WG1561304
4-Nitrophenol	U		0.143	10.0	1	10/20/2020 07:34	WG1561304
Pentachlorophenol	U		0.313	1.00	1	10/20/2020 07:34	WG1561304
Phenol	U		4.33	10.0	1	10/20/2020 07:34	WG1561304
2,4,5-Trichlorophenol	U	J3	0.109	1.00	1	10/20/2020 07:34	WG1561304
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/20/2020 07:34	WG1561304
(S) 2-Fluorophenol	44.0			10.0-120		10/20/2020 07:34	WG1561304
(S) Phenol-d5	27.6			10.0-120		10/20/2020 07:34	WG1561304
(S) Nitrobenzene-d5	66.5			10.0-127		10/20/2020 07:34	WG1561304
(S) 2-Fluorobiphenyl	78.8			10.0-130		10/20/2020 07:34	WG1561304
(S) 2,4,6-Tribromophenol	70.5			10.0-155		10/20/2020 07:34	WG1561304
(S) p-Terphenyl-d14	81.6			10.0-128		10/20/2020 07:34	WG1561304

1 Cp
2 Tc
3 Ss
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Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 19:16	WG1561281
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 19:16	WG1561281
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 19:16	WG1561281
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 19:16	WG1561281
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 19:16	WG1561281
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 19:16	WG1561281
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 19:16	WG1561281
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 19:16	WG1561281
Chrysene	U		0.0179	0.0500	1	10/19/2020 19:16	WG1561281
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 19:16	WG1561281
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 19:16	WG1561281
Fluoranthene	U		0.0270	0.100	1	10/19/2020 19:16	WG1561281
Fluorene	U		0.0169	0.0500	1	10/19/2020 19:16	WG1561281
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 19:16	WG1561281
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 19:16	WG1561281
Naphthalene	U		0.0917	0.250	1	10/19/2020 19:16	WG1561281
Phenanthrene	U		0.0180	0.0500	1	10/19/2020 19:16	WG1561281
Pyrene	U		0.0169	0.0500	1	10/19/2020 19:16	WG1561281
1-Methylnaphthalene	U		0.0687	0.250	1	10/19/2020 19:16	WG1561281
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 19:16	WG1561281
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 19:16	WG1561281
(S) Nitrobenzene-d5	103			31.0-160		10/19/2020 19:16	WG1561281
(S) 2-Fluorobiphenyl	101			48.0-148		10/19/2020 19:16	WG1561281
(S) p-Terphenyl-d14	94.2			37.0-146		10/19/2020 19:16	WG1561281

Method Blank (MB)

(MB) R3583206-1 10/19/20 16:48

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Lead,Dissolved	U		2.49	5.00

1

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Tc

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Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Laboratory Control Sample (LCS)

(LCS) R3583206-2 10/19/20 16:52

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	ug/l	ug/l	%	%	
Lead,Dissolved	50.0	48.4	96.7	80.0-120	

L1273359-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1273359-05 10/19/20 16:55 • (MS) R3583206-4 10/19/20 17:03 • (MSD) R3583206-5 10/19/20 17:07

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Lead,Dissolved	50.0	U	47.7	47.9	95.4	95.7	1	75.0-125			0.339	20



Method Blank (MB)

(MB) R3583285-2 10/19/20 13:56

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) R3583285-1 10/19/20 13:32

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,2-Dibromo-3-Chloropropane	0.0500	0.0510	102	70.0-130	

L1273359-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1273359-05 10/19/20 15:59 • (MS) R3583285-3 10/19/20 18:43 • (MSD) R3583285-4 10/19/20 19:06

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	0.0600	0.0570	120	114	1	70.0-130			5.13	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3583902-2 10/20/20 19:36

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

[L1273359-10,11,12](#)

Method Blank (MB)

(MB) R3583902-2 10/20/20 19:36

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.105	0.500
Ethylbenzene	U		0.137	0.500
Hexachloro-1,3-butadiene	U		0.337	1.00
2-Hexanone	U		0.787	5.00
n-Hexane	U		0.749	5.00
Iodomethane	U		0.554	5.00
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,3-Trimethylbenzene	U		0.104	0.500
1,2,4-Trimethylbenzene	U		0.322	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl acetate	U		0.692	5.00
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	110			80.0-120
(S) 4-Bromofluorobenzene	94.8			77.0-126
(S) 1,2-Dichloroethane-d4	105			70.0-130

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Laboratory Control Sample (LCS)

(LCS) R3583902-1 10/20/20 18:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetone	25.0	23.4	93.6	19.0-160	
Acrylonitrile	25.0	24.2	96.8	55.0-149	
Benzene	5.00	4.59	91.8	70.0-123	
Bromobenzene	5.00	3.87	77.4	73.0-121	
Bromodichloromethane	5.00	4.74	94.8	75.0-120	
Bromochloromethane	5.00	4.81	96.2	76.0-122	
Bromoform	5.00	4.84	96.8	68.0-132	
Bromomethane	5.00	4.31	86.2	10.0-160	
n-Butylbenzene	5.00	4.59	91.8	73.0-125	
sec-Butylbenzene	5.00	4.62	92.4	75.0-125	
tert-Butylbenzene	5.00	4.19	83.8	76.0-124	
Carbon disulfide	5.00	4.23	84.6	61.0-128	
Carbon tetrachloride	5.00	4.51	90.2	68.0-126	
Chlorobenzene	5.00	4.81	96.2	80.0-121	
Chlorodibromomethane	5.00	4.50	90.0	77.0-125	
Chloroethane	5.00	3.73	74.6	47.0-150	
2-Chloroethyl vinyl ether	25.0	21.5	86.0	51.0-160	
Chloroform	5.00	4.80	96.0	73.0-120	
Chloromethane	5.00	4.37	87.4	41.0-142	
2-Chlorotoluene	5.00	4.02	80.4	76.0-123	
4-Chlorotoluene	5.00	4.40	88.0	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.43	88.6	58.0-134	
1,2-Dibromoethane	5.00	4.77	95.4	80.0-122	
Dibromomethane	5.00	4.61	92.2	80.0-120	
1,2-Dichlorobenzene	5.00	5.21	104	79.0-121	
1,3-Dichlorobenzene	5.00	4.78	95.6	79.0-120	
1,4-Dichlorobenzene	5.00	4.90	98.0	79.0-120	
trans-1,4-Dichloro-2-butene	5.00	4.61	92.2	33.0-144	
Dichlorodifluoromethane	5.00	4.59	91.8	51.0-149	
1,1-Dichloroethane	5.00	4.54	90.8	70.0-126	
1,2-Dichloroethane	5.00	5.11	102	70.0-128	
1,1-Dichloroethene	5.00	4.17	83.4	71.0-124	
cis-1,2-Dichloroethene	5.00	4.77	95.4	73.0-120	
trans-1,2-Dichloroethene	5.00	4.47	89.4	73.0-120	
1,2-Dichloropropane	5.00	4.63	92.6	77.0-125	
1,1-Dichloropropene	5.00	4.42	88.4	74.0-126	
1,3-Dichloropropane	5.00	4.97	99.4	80.0-120	
cis-1,3-Dichloropropene	5.00	4.61	92.2	80.0-123	
trans-1,3-Dichloropropene	5.00	4.58	91.6	78.0-124	
2,2-Dichloropropane	5.00	4.97	99.4	58.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3583902-1 10/20/20 18:36

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Di-isopropyl ether	5.00	4.51	90.2	58.0-138	
Ethylbenzene	5.00	4.89	97.8	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.40	88.0	54.0-138	
2-Hexanone	25.0	21.4	85.6	67.0-149	
n-Hexane	5.00	4.61	92.2	57.0-133	
Iodomethane	25.0	20.9	83.6	33.0-147	
Isopropylbenzene	5.00	4.53	90.6	76.0-127	
p-Isopropyltoluene	5.00	4.48	89.6	76.0-125	
2-Butanone (MEK)	25.0	23.4	93.6	44.0-160	
Methylene Chloride	5.00	4.64	92.8	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	23.0	92.0	68.0-142	
Methyl tert-butyl ether	5.00	4.91	98.2	68.0-125	
Naphthalene	5.00	4.37	87.4	54.0-135	
n-Propylbenzene	5.00	4.03	80.6	77.0-124	
Styrene	5.00	4.68	93.6	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	4.97	99.4	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.06	81.2	65.0-130	
Tetrachloroethene	5.00	5.02	100	72.0-132	
Toluene	5.00	4.96	99.2	79.0-120	
1,1,2-Trichlorotrifluoroethane	5.00	4.14	82.8	69.0-132	
1,2,3-Trichlorobenzene	5.00	4.48	89.6	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.84	96.8	57.0-137	
1,1,1-Trichloroethane	5.00	4.54	90.8	73.0-124	
1,1,2-Trichloroethane	5.00	5.37	107	80.0-120	
Trichloroethene	5.00	4.58	91.6	78.0-124	
Trichlorofluoromethane	5.00	3.54	70.8	59.0-147	
1,2,3-Trichloropropane	5.00	4.46	89.2	73.0-130	
1,2,3-Trimethylbenzene	5.00	4.98	99.6	77.0-120	
1,2,4-Trimethylbenzene	5.00	4.63	92.6	76.0-121	
1,3,5-Trimethylbenzene	5.00	4.19	83.8	76.0-122	
Vinyl acetate	25.0	20.2	80.8	11.0-160	
Vinyl chloride	5.00	3.55	71.0	67.0-131	
Xylenes, Total	15.0	13.5	90.0	79.0-123	
(S) Toluene-d8			106	80.0-120	
(S) 4-Bromofluorobenzene			93.2	77.0-126	
(S) 1,2-Dichloroethane-d4			102	70.0-130	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Method Blank (MB)

(MB) R3584310-2 10/21/20 05:22

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3584310-2 10/21/20 05:22

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-isopropyl ether	U		0.105	0.500
Ethylbenzene	U		0.137	0.500
Hexachloro-1,3-butadiene	U		0.337	1.00
2-Hexanone	U		0.787	5.00
n-Hexane	U		0.749	5.00
Iodomethane	U		0.554	5.00
Isopropylbenzene	U		0.105	0.500
p-Isopropyltoluene	U		0.120	0.500
2-Butanone (MEK)	U		1.19	5.00
Methylene Chloride	U		0.430	2.50
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00
Methyl tert-butyl ether	U		0.101	0.500
Naphthalene	U		0.174	2.50
n-Propylbenzene	U		0.0993	0.500
Styrene	U		0.118	0.500
1,1,1,2-Tetrachloroethane	U		0.147	0.500
1,1,2,2-Tetrachloroethane	U		0.133	0.500
Tetrachloroethene	U		0.300	0.500
Toluene	U		0.278	0.500
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500
1,2,3-Trichlorobenzene	U		0.164	0.500
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	0.500
1,1,2-Trichloroethane	U		0.158	0.500
Trichloroethene	U		0.190	0.500
Trichlorofluoromethane	U		0.160	2.50
1,2,3-Trichloropropane	U		0.237	2.50
1,2,3-Trimethylbenzene	U		0.104	0.500
1,2,4-Trimethylbenzene	U		0.322	0.500
1,3,5-Trimethylbenzene	U		0.104	0.500
Vinyl acetate	U		0.692	5.00
Vinyl chloride	U		0.234	0.500
Xylenes, Total	U		0.174	1.50
(S) Toluene-d8	111			80.0-120
(S) 4-Bromofluorobenzene	99.6			77.0-126
(S) 1,2-Dichloroethane-d4	110			70.0-130

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Laboratory Control Sample (LCS)

(LCS) R3584310-1 10/21/20 04:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Acetone	25.0	32.5	130	19.0-160	
Acrylonitrile	25.0	31.3	125	55.0-149	
Benzene	5.00	4.97	99.4	70.0-123	
Bromobenzene	5.00	4.45	89.0	73.0-121	
Bromodichloromethane	5.00	4.83	96.6	75.0-120	
Bromochloromethane	5.00	5.08	102	76.0-122	
Bromoform	5.00	4.90	98.0	68.0-132	
Bromomethane	5.00	5.47	109	10.0-160	
n-Butylbenzene	5.00	5.24	105	73.0-125	
sec-Butylbenzene	5.00	5.22	104	75.0-125	
tert-Butylbenzene	5.00	4.91	98.2	76.0-124	
Carbon disulfide	5.00	4.42	88.4	61.0-128	
Carbon tetrachloride	5.00	4.83	96.6	68.0-126	
Chlorobenzene	5.00	5.25	105	80.0-121	
Chlorodibromomethane	5.00	5.16	103	77.0-125	
Chloroethane	5.00	5.53	111	47.0-150	
2-Chloroethyl vinyl ether	25.0	26.1	104	51.0-160	
Chloroform	5.00	4.99	99.8	73.0-120	
Chloromethane	5.00	5.38	108	41.0-142	
2-Chlorotoluene	5.00	4.53	90.6	76.0-123	
4-Chlorotoluene	5.00	4.36	87.2	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.92	98.4	58.0-134	
1,2-Dibromoethane	5.00	5.37	107	80.0-122	
Dibromomethane	5.00	5.51	110	80.0-120	
1,2-Dichlorobenzene	5.00	5.27	105	79.0-121	
1,3-Dichlorobenzene	5.00	5.03	101	79.0-120	
1,4-Dichlorobenzene	5.00	5.10	102	79.0-120	
trans-1,4-Dichloro-2-butene	5.00	4.32	86.4	33.0-144	
Dichlorodifluoromethane	5.00	4.90	98.0	51.0-149	
1,1-Dichloroethane	5.00	5.06	101	70.0-126	
1,2-Dichloroethane	5.00	5.32	106	70.0-128	
1,1-Dichloroethene	5.00	4.26	85.2	71.0-124	
cis-1,2-Dichloroethene	5.00	4.96	99.2	73.0-120	
trans-1,2-Dichloroethene	5.00	4.72	94.4	73.0-120	
1,2-Dichloropropane	5.00	5.34	107	77.0-125	
1,1-Dichloropropene	5.00	4.91	98.2	74.0-126	
1,3-Dichloropropane	5.00	5.64	113	80.0-120	
cis-1,3-Dichloropropene	5.00	4.69	93.8	80.0-123	
trans-1,3-Dichloropropene	5.00	4.84	96.8	78.0-124	
2,2-Dichloropropane	5.00	4.60	92.0	58.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Laboratory Control Sample (LCS)

(LCS) R3584310-1 10/21/20 04:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Di-isopropyl ether	5.00	4.97	99.4	58.0-138	
Ethylbenzene	5.00	5.29	106	79.0-123	
Hexachloro-1,3-butadiene	5.00	5.19	104	54.0-138	
2-Hexanone	25.0	31.3	125	67.0-149	
n-Hexane	5.00	4.99	99.8	57.0-133	
Iodomethane	25.0	22.8	91.2	33.0-147	
Isopropylbenzene	5.00	5.14	103	76.0-127	
p-Isopropyltoluene	5.00	5.36	107	76.0-125	
2-Butanone (MEK)	25.0	31.3	125	44.0-160	
Methylene Chloride	5.00	4.55	91.0	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	30.1	120	68.0-142	
Methyl tert-butyl ether	5.00	5.03	101	68.0-125	
Naphthalene	5.00	4.78	95.6	54.0-135	
n-Propylbenzene	5.00	4.52	90.4	77.0-124	
Styrene	5.00	4.99	99.8	73.0-130	
1,1,1,2-Tetrachloroethane	5.00	5.09	102	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	4.22	84.4	65.0-130	
Tetrachloroethene	5.00	5.44	109	72.0-132	
Toluene	5.00	5.05	101	79.0-120	
1,1,2-Trichlorotrifluoroethane	5.00	4.48	89.6	69.0-132	
1,2,3-Trichlorobenzene	5.00	5.14	103	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.98	99.6	57.0-137	
1,1,1-Trichloroethane	5.00	4.97	99.4	73.0-124	
1,1,2-Trichloroethane	5.00	5.42	108	80.0-120	
Trichloroethene	5.00	5.58	112	78.0-124	
Trichlorofluoromethane	5.00	4.83	96.6	59.0-147	
1,2,3-Trichloropropane	5.00	5.22	104	73.0-130	
1,2,3-Trimethylbenzene	5.00	5.07	101	77.0-120	
1,2,4-Trimethylbenzene	5.00	4.77	95.4	76.0-121	
1,3,5-Trimethylbenzene	5.00	4.57	91.4	76.0-122	
Vinyl acetate	25.0	15.7	62.8	11.0-160	
Vinyl chloride	5.00	6.09	122	67.0-131	
Xylenes, Total	15.0	15.4	103	79.0-123	
(S) Toluene-d8			108	80.0-120	
(S) 4-Bromofluorobenzene			99.6	77.0-126	
(S) 1,2-Dichloroethane-d4			118	70.0-130	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1273359-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1273359-05 10/21/20 10:05 • (MS) R3584310-3 10/21/20 14:51 • (MSD) R3584310-4 10/21/20 15:15

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	22.9	32.6	91.6	130	1	10.0-160			35.0	35
Acrylonitrile	25.0	U	28.4	36.0	114	144	1	21.0-160			23.6	32
Benzene	5.00	U	6.73	6.75	135	135	1	17.0-158			0.297	27
Bromobenzene	5.00	U	5.91	5.74	118	115	1	30.0-149			2.92	28
Bromochloromethane	5.00	U	6.46	6.70	129	134	1	38.0-142			3.65	26
n-Butylbenzene	5.00	U	6.35	6.35	127	127	1	31.0-150			0.000	30
sec-Butylbenzene	5.00	U	6.88	6.49	138	130	1	33.0-155			5.83	29
tert-Butylbenzene	5.00	U	6.39	6.16	128	123	1	34.0-153			3.67	28
Carbon disulfide	5.00	U	6.14	6.11	123	122	1	10.0-156			0.490	28
2-Chlorotoluene	5.00	U	5.94	5.73	119	115	1	32.0-153			3.60	28
4-Chlorotoluene	5.00	U	5.96	5.68	119	114	1	32.0-150			4.81	28
1,2-Dibromo-3-Chloropropane	5.00	U	5.85	6.01	117	120	1	22.0-151			2.70	34
1,2-Dibromoethane	5.00	U	6.79	6.84	136	137	1	34.0-147			0.734	27
Dibromomethane	5.00	U	6.68	6.82	134	136	1	30.0-151			2.07	27
1,1-Dichloropropene	5.00	U	7.05	6.89	141	138	1	25.0-158			2.30	27
1,3-Dichloropropane	5.00	U	6.88	7.11	138	142	1	38.0-147			3.29	27
trans-1,4-Dichloro-2-butene	5.00	U	5.48	5.83	110	117	1	10.0-157			6.19	37
2,2-Dichloropropane	5.00	U	6.42	6.20	128	124	1	24.0-152			3.49	29
Di-isopropyl ether	5.00	U	6.36	6.55	127	131	1	21.0-160			2.94	28
Ethylbenzene	5.00	U	6.99	6.87	140	137	1	30.0-155			1.73	27
Hexachloro-1,3-butadiene	5.00	U	5.66	5.99	113	120	1	20.0-154			5.67	34
2-Hexanone	25.0	U	33.4	36.5	134	146	1	21.0-160			8.87	29
n-Hexane	5.00	U	7.08	6.91	142	138	1	10.0-153			2.43	28
Iodomethane	25.0	U	29.2	30.3	117	121	1	10.0-160			3.70	40
Isopropylbenzene	5.00	U	7.00	6.56	140	131	1	28.0-157			6.49	27
Bromodichloromethane	5.00	U	6.58	6.61	132	132	1	31.0-150			0.455	27
p-Isopropyltoluene	5.00	U	6.61	6.69	132	134	1	30.0-154			1.20	29
2-Butanone (MEK)	25.0	U	31.1	38.0	124	152	1	10.0-160			20.0	32
Bromoform	5.00	U	6.28	6.37	126	127	1	29.0-150			1.42	29
4-Methyl-2-pentanone (MIBK)	25.0	U	33.6	36.8	134	147	1	29.0-160			9.09	29
Bromomethane	5.00	U	7.19	7.19	144	144	1	10.0-160			0.000	38
Methyl tert-butyl ether	5.00	U	6.16	6.36	123	127	1	28.0-150			3.19	29
Naphthalene	5.00	U	5.69	6.05	114	121	1	12.0-156			6.13	35
n-Propylbenzene	5.00	U	6.01	5.74	120	115	1	31.0-154			4.60	28
Styrene	5.00	U	6.33	6.39	127	128	1	33.0-155			0.943	28
1,1,1,2-Tetrachloroethane	5.00	U	6.82	6.81	136	136	1	36.0-151			0.147	29
Carbon tetrachloride	5.00	U	6.20	6.69	124	134	1	23.0-159			7.60	28
1,1,2-Trichlorotrifluoroethane	5.00	U	5.05	5.14	101	103	1	23.0-160			1.77	30
Chlorobenzene	5.00	U	6.86	6.84	137	137	1	33.0-152			0.292	27
Chlorodibromomethane	5.00	U	6.43	6.72	129	134	1	37.0-149			4.41	27

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1273359-01,02,03,04,05,06,07,08,09

L1273359-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1273359-05 10/21/20 10:05 • (MS) R3584310-3 10/21/20 14:51 • (MSD) R3584310-4 10/21/20 15:15

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 %
Chloroethane	5.00	U	7.17	7.29	143	146	1	10.0-160			1.66	30
Toluene	5.00	U	6.78	6.66	136	133	1	26.0-154			1.79	28
1,2,3-Trichlorobenzene	5.00	U	6.23	6.67	125	133	1	17.0-150			6.82	36
2-Chloroethyl vinyl ether	25.0	U	U	U	0.000	0.000	1	10.0-160	J6	J6	0.000	31
1,2,4-Trichlorobenzene	5.00	U	6.09	6.26	122	125	1	24.0-150			2.75	33
Chloroform	5.00	U	6.88	6.78	138	136	1	29.0-154			1.46	28
Chloromethane	5.00	U	6.98	7.25	140	145	1	10.0-160			3.79	29
1,2,3-Trichloropropane	5.00	U	6.31	6.66	126	133	1	34.0-151			5.40	29
1,2,4-Trimethylbenzene	5.00	U	6.07	6.02	121	120	1	26.0-154			0.827	27
1,2,3-Trimethylbenzene	5.00	U	6.74	6.40	135	128	1	32.0-149			5.18	28
1,2-Dichlorobenzene	5.00	U	6.67	6.52	133	130	1	34.0-149			2.27	28
1,3,5-Trimethylbenzene	5.00	U	5.98	5.74	120	115	1	28.0-153			4.10	27
1,3-Dichlorobenzene	5.00	U	6.52	6.51	130	130	1	36.0-146			0.153	27
Vinyl acetate	25.0	U	38.7	40.6	155	162	1	12.0-160		J5	4.79	31
1,4-Dichlorobenzene	5.00	U	6.81	6.40	136	128	1	35.0-142			6.21	27
Xylenes, Total	15.0	U	20.4	19.6	136	131	1	29.0-154			4.00	28
Dichlorodifluoromethane	5.00	U	6.37	6.21	127	124	1	10.0-160			2.54	29
1,1-Dichloroethane	5.00	U	7.18	7.02	144	140	1	25.0-158			2.25	27
1,2-Dichloroethane	5.00	U	7.01	7.09	140	142	1	29.0-151			1.13	27
1,1-Dichloroethene	5.00	U	6.47	6.23	129	125	1	11.0-160			3.78	29
cis-1,2-Dichloroethene	5.00	U	6.51	6.66	130	133	1	10.0-160			2.28	27
trans-1,2-Dichloroethene	5.00	U	6.32	6.54	126	131	1	17.0-153			3.42	27
1,2-Dichloropropane	5.00	U	6.98	6.84	140	137	1	30.0-156			2.03	27
cis-1,3-Dichloropropene	5.00	U	6.20	6.27	124	125	1	34.0-149			1.12	28
trans-1,3-Dichloropropene	5.00	U	6.22	6.21	124	124	1	32.0-149			0.161	28
Methylene Chloride	5.00	U	5.59	5.83	112	117	1	23.0-144			4.20	28
1,1,2,2-Tetrachloroethane	5.00	U	6.27	6.46	125	129	1	33.0-150			2.99	28
Tetrachloroethene	5.00	U	7.40	7.04	148	141	1	10.0-160			4.99	27
1,1,1-Trichloroethane	5.00	U	7.16	6.85	143	137	1	23.0-160			4.43	28
1,1,2-Trichloroethane	5.00	U	6.86	7.06	137	141	1	35.0-147			2.87	27
Trichloroethene	5.00	U	6.67	6.50	133	130	1	10.0-160			2.58	25
Trichlorofluoromethane	5.00	U	6.68	6.54	134	131	1	17.0-160			2.12	31
Vinyl chloride	5.00	U	8.40	8.24	168	165	1	10.0-160	J5	J5	1.92	27
(S) Toluene-d8					107	107		80.0-120				
(S) 4-Bromofluorobenzene					100	97.2		77.0-126				
(S) 1,2-Dichloroethane-d4					116	117		70.0-130				

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Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc



Method Blank (MB)

(MB) R3583309-3 10/19/20 18:40

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	64.7			10.0-120

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

(LCS) R3583309-1 10/19/20 18:01 • (LCSD) R3583309-2 10/19/20 18:21

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
1,4-Dioxane	50.0	58.9	59.9	118	120	73.0-146			1.68	20
(S) Nitrobenzene-d5				70.6	74.6	10.0-120				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3583328-2 10/19/20 15:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bis(2-chlorethoxy)methane	U		0.116	5.00
Bis(2-chloroethyl)ether	U		0.137	1.00
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00
4-Bromophenyl-phenylether	U		0.0877	10.0
4-Chlorophenyl-phenylether	U		0.0926	10.0
3,3-Dichlorobenzidine	U		0.212	10.0
2,4-Dinitrotoluene	U		0.0983	5.00
2,6-Dinitrotoluene	U		0.250	5.00
Hexachloro-1,3-butadiene	U		0.0968	10.0
Hexachlorocyclopentadiene	U		0.0598	5.00
Hexachloroethane	U		0.127	5.00
Isophorone	U		0.143	10.0
Nitrobenzene	U		0.297	10.0
n-Nitrosodiphenylamine	U		2.37	10.0
n-Nitrosodi-n-propylamine	U		0.261	10.0
Benzylbutyl phthalate	U		0.765	3.00
Bis(2-ethylhexyl)phthalate	U		0.895	3.00
Di-n-butyl phthalate	U		0.453	3.00
Diethyl phthalate	U		0.287	3.00
Dimethyl phthalate	U		0.260	3.00
Di-n-octyl phthalate	U		0.932	3.00
4-Chloroaniline	U		0.234	5.00
4-Chloro-3-methylphenol	U		0.131	1.00
2-Chlorophenol	U		0.133	1.00
2,4-Dichlorophenol	U		0.102	5.00
2,4-Dimethylphenol	U		0.0636	10.0
4,6-Dinitro-2-methylphenol	U		1.12	10.0
2,4-Dinitrophenol	U		5.93	10.0
2-Methylphenol	U		0.0929	1.00
3&4-Methyl Phenol	U		0.168	1.00
2-Nitroaniline	U		0.102	5.00
3-Nitroaniline	U		0.0869	5.00
4-Nitroaniline	U		0.0910	5.00
2-Nitrophenol	U		0.117	1.00
4-Nitrophenol	U		0.143	10.0
Pentachlorophenol	U		0.313	1.00
Phenol	U		4.33	10.0
2,4,5-Trichlorophenol	U		0.109	1.00
2,4,6-Trichlorophenol	U		0.100	1.00
Acetophenone	U		0.208	10.0

1

Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc



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

L1273359-01,02,03,04,07,09

Method Blank (MB)

(MB) R3583328-2 10/19/20 15:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Atrazine	U		0.255	10.0
Benzaldehyde	U		1.69	10.0
Biphenyl	U		0.790	10.0
Caprolactam	U		0.309	10.0
Carbazole	U		0.111	10.0
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0
(S) 2-Fluorophenol	28.4			10.0-120
(S) Phenol-d5	15.9			10.0-120
(S) Nitrobenzene-d5	48.1			10.0-127
(S) 2-Fluorobiphenyl	62.4			10.0-130
(S) 2,4,6-Tribromophenol	51.0			10.0-155
(S) p-Terphenyl-d14	74.4			10.0-128

1
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Laboratory Control Sample (LCS)

(LCS) R3583328-1 10/19/20 14:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bis(2-chlorethoxy)methane	50.0	29.0	58.0	33.0-120	
Bis(2-chloroethyl)ether	50.0	32.0	64.0	23.0-120	
2,2-Oxybis(1-Chloropropane)	50.0	28.3	56.6	28.0-120	
4-Bromophenyl-phenylether	50.0	31.5	63.0	45.0-120	
4-Chlorophenyl-phenylether	50.0	34.4	68.8	44.0-120	
3,3-Dichlorobenzidine	100	75.2	75.2	44.0-120	
2,4-Dinitrotoluene	50.0	37.5	75.0	49.0-124	
2,6-Dinitrotoluene	50.0	34.6	69.2	46.0-120	
Hexachloro-1,3-butadiene	50.0	25.6	51.2	19.0-120	
Hexachlorocyclopentadiene	50.0	21.5	43.0	15.0-120	
Hexachloroethane	50.0	24.6	49.2	15.0-120	
Isophorone	50.0	27.2	54.4	36.0-120	
Nitrobenzene	50.0	27.5	55.0	27.0-120	
n-Nitrosodiphenylamine	50.0	31.9	63.8	47.0-120	
n-Nitrosodi-n-propylamine	50.0	30.0	60.0	31.0-120	
Benzylbutyl phthalate	50.0	38.5	77.0	43.0-121	
Bis(2-ethylhexyl)phthalate	50.0	39.6	79.2	43.0-122	
Di-n-butyl phthalate	50.0	37.3	74.6	49.0-121	
Diethyl phthalate	50.0	36.3	72.6	48.0-122	
Dimethyl phthalate	50.0	35.5	71.0	48.0-120	
Di-n-octyl phthalate	50.0	39.8	79.6	42.0-125	

Laboratory Control Sample (LCS)

(LCS) R3583328-1 10/19/20 14:39

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
4-Chloroaniline	50.0	32.9	65.8	25.0-120	
4-Chloro-3-methylphenol	50.0	27.1	54.2	40.0-120	
2-Chlorophenol	50.0	25.2	50.4	25.0-120	
2,4-Dichlorophenol	50.0	26.4	52.8	36.0-120	
2,4-Dimethylphenol	50.0	28.8	57.6	33.0-120	
4,6-Dinitro-2-methylphenol	50.0	34.4	68.8	38.0-138	
2,4-Dinitrophenol	50.0	34.0	68.0	10.0-120	
2-Methylphenol	50.0	23.9	47.8	28.0-120	
3&4-Methyl Phenol	50.0	23.7	47.4	31.0-120	
2-Nitroaniline	50.0	35.4	70.8	43.0-120	
3-Nitroaniline	50.0	37.9	75.8	38.0-120	
4-Nitroaniline	50.0	38.3	76.6	18.0-160	
2-Nitrophenol	50.0	31.3	62.6	31.0-120	
4-Nitrophenol	50.0	7.58	15.2	10.0-120	
Pentachlorophenol	50.0	27.3	54.6	23.0-120	
Phenol	50.0	8.96	17.9	10.0-120	
2,4,5-Trichlorophenol	50.0	32.5	65.0	44.0-120	
2,4,6-Trichlorophenol	50.0	30.7	61.4	42.0-120	
Acetophenone	50.0	34.9	69.8	29.0-120	
Atrazine	50.0	36.3	72.6	39.0-141	
Benzaldehyde	50.0	55.7	111	10.0-160	
Biphenyl	50.0	31.9	63.8	38.0-120	
Caprolactam	50.0	9.28	18.6	10.0-120	
Carbazole	50.0	35.2	70.4	51.0-122	
1,2,4,5-Tetrachlorobenzene	50.0	32.4	64.8	31.0-121	
(S) 2-Fluorophenol			27.4	10.0-120	
(S) Phenol-d5			16.2	10.0-120	
(S) Nitrobenzene-d5			68.3	10.0-127	
(S) 2-Fluorobiphenyl			60.1	10.0-130	
(S) 2,4,6-Tribromophenol			57.5	10.0-155	
(S) p-Terphenyl-d14			66.7	10.0-128	

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1272394-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1272394-08 10/19/20 17:25 • (MS) R3583328-3 10/19/20 17:46 • (MSD) R3583328-4 10/19/20 18:07

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Bis(2-chlorethoxy)methane	50.0	U	31.8	28.1	63.6	56.2	1	17.0-120			12.4	31
Bis(2-chloroethyl)ether	50.0	U	34.4	31.0	68.8	62.0	1	14.0-120			10.4	33

L1272394-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1272394-08 10/19/20 17:25 • (MS) R3583328-3 10/19/20 17:46 • (MSD) R3583328-4 10/19/20 18:07

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,2-Oxybis(1-Chloropropane)	50.0	U	30.9	27.9	61.8	55.8	1	18.0-120			10.2	34
4-Bromophenyl-phenylether	50.0	U	35.0	32.4	70.0	64.8	1	37.0-120			7.72	24
4-Chlorophenyl-phenylether	50.0	U	37.8	34.9	75.6	69.8	1	36.0-120			7.98	23
3,3-Dichlorobenzidine	100	U	83.3	79.1	83.3	79.1	1	10.0-134			5.17	30
2,4-Dinitrotoluene	50.0	U	40.8	39.8	81.6	79.6	1	39.0-125			2.48	25
2,6-Dinitrotoluene	50.0	U	38.8	37.3	77.6	74.6	1	36.0-120			3.94	27
Hexachloro-1,3-butadiene	50.0	U	27.7	24.5	55.4	49.0	1	12.0-120			12.3	34
Hexachlorocyclopentadiene	50.0	U	26.2	20.6	52.4	41.2	1	10.0-120			23.9	33
Hexachloroethane	50.0	U	28.6	25.6	57.2	51.2	1	10.0-120			11.1	40
Isophorone	50.0	U	30.2	28.1	60.4	56.2	1	21.0-120			7.20	27
Nitrobenzene	50.0	U	29.8	26.4	59.6	52.8	1	12.0-120			12.1	30
n-Nitrosodiphenylamine	50.0	U	35.5	32.9	71.0	65.8	1	37.0-120			7.60	24
n-Nitrosodi-n-propylamine	50.0	U	32.7	30.8	65.4	61.6	1	16.0-120			5.98	30
Benzylbutyl phthalate	50.0	U	42.2	41.1	84.4	82.2	1	34.0-126			2.64	24
Bis(2-ethylhexyl)phthalate	50.0	U	43.4	42.2	86.8	84.4	1	33.0-126			2.80	25
Di-n-butyl phthalate	50.0	U	41.8	39.9	83.6	79.8	1	35.0-128			4.65	23
Diethyl phthalate	50.0	U	40.2	37.8	80.4	75.6	1	39.0-125			6.15	24
Dimethyl phthalate	50.0	U	39.9	37.9	79.8	75.8	1	37.0-120			5.14	24
Di-n-octyl phthalate	50.0	U	44.1	42.9	88.2	85.8	1	25.0-135			2.76	26
4-Chloroaniline	50.0	U	30.4	31.6	60.8	63.2	1	10.0-120			3.87	31
4-Chloro-3-methylphenol	50.0	U	30.1	27.4	60.2	54.8	1	26.0-120			9.39	27
2-Chlorophenol	50.0	U	27.5	24.9	55.0	49.8	1	18.0-120			9.92	34
2,4-Dichlorophenol	50.0	U	28.9	25.3	57.8	50.6	1	19.0-120			13.3	27
2,4-Dimethylphenol	50.0	U	31.4	28.9	62.8	57.8	1	15.0-120			8.29	28
4,6-Dinitro-2-methylphenol	50.0	U	37.9	35.9	75.8	71.8	1	10.0-144			5.42	39
2,4-Dinitrophenol	50.0	U	36.0	37.3	72.0	74.6	1	10.0-120			3.55	40
2-Methylphenol	50.0	U	26.5	24.4	53.0	48.8	1	10.0-120			8.25	30
3&4-Methyl Phenol	50.0	U	26.4	25.1	52.8	50.2	1	10.0-120			5.05	36
2-Nitroaniline	50.0	U	39.1	37.1	78.2	74.2	1	33.0-120			5.25	27
3-Nitroaniline	50.0	U	38.3	38.9	76.6	77.8	1	20.0-120			1.55	27
4-Nitroaniline	50.0	U	41.7	43.4	83.4	86.8	1	10.0-160			4.00	26
2-Nitrophenol	50.0	U	32.9	27.9	65.8	55.8	1	20.0-120			16.4	30
4-Nitrophenol	50.0	U	9.89	8.92	19.8	17.8	1	10.0-120			10.3	40
Pentachlorophenol	50.0	U	32.2	29.1	64.4	58.2	1	10.0-128			10.1	37
Phenol	50.0	U	10.5	9.62	21.0	19.2	1	10.0-120			8.75	40
2,4,5-Trichlorophenol	50.0	U	36.1	32.6	72.2	65.2	1	33.0-120			10.2	31
2,4,6-Trichlorophenol	50.0	U	34.8	30.5	69.6	61.0	1	26.0-120			13.2	31
Acetophenone	50.0	U	37.3	34.9	74.6	69.8	1	20.0-120			6.65	35
Atrazine	50.0	U	40.3	39.4	80.6	78.8	1	39.0-130			2.26	23
Benzaldehyde	50.0	U	62.7	55.0	125	110	1	10.0-160			13.1	40

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1272394-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1272394-08 10/19/20 17:25 • (MS) R3583328-3 10/19/20 17:46 • (MSD) R3583328-4 10/19/20 18:07

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Biphenyl	50.0	U	34.5	30.8	69.0	61.6	1	29.0-120			11.3	33
Caprolactam	50.0	U	10.4	9.91	20.8	19.8	1	10.0-120			4.83	40
Carbazole	50.0	U	39.6	38.6	79.2	77.2	1	38.0-127			2.56	21
1,2,4,5-Tetrachlorobenzene	50.0	U	35.1	30.7	70.2	61.4	1	19.0-122			13.4	32
(S) 2-Fluorophenol					32.2	29.2		10.0-120				
(S) Phenol-d5					18.9	17.6		10.0-120				
(S) Nitrobenzene-d5					45.4	41.4		10.0-127				
(S) 2-Fluorobiphenyl					64.4	57.4		10.0-130				
(S) 2,4,6-Tribromophenol					64.5	58.0		10.0-155				
(S) p-Terphenyl-d14					72.9	70.1		10.0-128				

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3583548-3 10/20/20 00:28

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1273359-05.06.08,12

Method Blank (MB)

(MB) R3583548-3 10/20/20 00:28

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
4-Nitrophenol	U		0.143	10.0
Pentachlorophenol	U		0.313	1.00
Phenol	U		4.33	10.0
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0
2,4,5-Trichlorophenol	U		0.109	1.00
2,4,6-Trichlorophenol	U		0.100	1.00
(S) Nitrobenzene-d5	66.2			10.0-127
(S) 2-Fluorobiphenyl	76.9			10.0-130
(S) p-Terphenyl-d14	78.7			10.0-128
(S) Phenol-d5	22.7			10.0-120
(S) 2-Fluorophenol	34.2			10.0-120
(S) 2,4,6-Tribromophenol	62.0			10.0-155

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

(LCS) R3583548-1 10/19/20 23:45 • (LCSD) R3583548-2 10/20/20 00:07

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 %
Acetophenone	50.0	46.4	42.2	92.8	84.4	29.0-120			9.48	28
Atrazine	50.0	42.6	37.0	85.2	74.0	39.0-141			14.1	20
Benzaldehyde	50.0	76.6	69.4	153	139	10.0-160			9.86	40
Biphenyl	50.0	39.4	36.4	78.8	72.8	38.0-120			7.92	27
Bis(2-chlorethoxy)methane	50.0	36.3	33.3	72.6	66.6	33.0-120			8.62	24
Bis(2-chloroethyl)ether	50.0	38.7	34.1	77.4	68.2	23.0-120			12.6	33
2,2-Oxybis(1-Chloropropane)	50.0	37.1	34.5	74.2	69.0	28.0-120			7.26	31
4-Bromophenyl-phenylether	50.0	39.8	35.8	79.6	71.6	45.0-120			10.6	20
Caprolactam	50.0	11.8	9.59	23.6	19.2	10.0-120			20.7	26
Carbazole	50.0	44.3	40.2	88.6	80.4	51.0-122			9.70	20
4-Chloroaniline	50.0	22.0	18.2	44.0	36.4	25.0-120			18.9	25
4-Chlorophenyl-phenylether	50.0	42.1	38.3	84.2	76.6	44.0-120			9.45	20
3,3-Dichlorobenzidine	100	80.8	76.4	80.8	76.4	44.0-120			5.60	20
2,4-Dinitrotoluene	50.0	46.1	42.5	92.2	85.0	49.0-124			8.13	20
2,6-Dinitrotoluene	50.0	43.4	39.1	86.8	78.2	46.0-120			10.4	21
Hexachloro-1,3-butadiene	50.0	34.6	31.1	69.2	62.2	19.0-120			10.7	32
Hexachlorocyclopentadiene	50.0	12.2	9.83	24.4	19.7	15.0-120			21.5	31
Hexachloroethane	50.0	34.1	31.3	68.2	62.6	15.0-120			8.56	37
Isophorone	50.0	34.5	31.3	69.0	62.6	36.0-120			9.73	23
2-Nitroaniline	50.0	43.2	37.7	86.4	75.4	43.0-120			13.6	22
3-Nitroaniline	50.0	37.8	32.0	75.6	64.0	38.0-120			16.6	21

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

(LCS) R3583548-1 10/19/20 23:45 • (LCSD) R3583548-2 10/20/20 00:07

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
4-Nitroaniline	50.0	70.0	70.9	140	142	18.0-160			1.28	21
Nitrobenzene	50.0	35.3	32.5	70.6	65.0	27.0-120			8.26	29
n-Nitrosodiphenylamine	50.0	38.1	36.3	76.2	72.6	47.0-120			4.84	20
n-Nitrosodi-n-propylamine	50.0	33.8	32.0	67.6	64.0	31.0-120			5.47	28
Benzylbutyl phthalate	50.0	41.9	36.3	83.8	72.6	43.0-121			14.3	20
Bis(2-ethylhexyl)phthalate	50.0	36.3	31.3	72.6	62.6	43.0-122			14.8	20
Di-n-butyl phthalate	50.0	41.3	36.6	82.6	73.2	49.0-121			12.1	20
Diethyl phthalate	50.0	42.0	39.2	84.0	78.4	48.0-122			6.90	20
Dimethyl phthalate	50.0	44.1	39.7	88.2	79.4	48.0-120			10.5	20
Di-n-octyl phthalate	50.0	36.7	31.6	73.4	63.2	42.0-125			14.9	20
4-Chloro-3-methylphenol	50.0	28.9	22.3	57.8	44.6	40.0-120		J3	25.8	21
2-Chlorophenol	50.0	27.8	22.1	55.6	44.2	25.0-120			22.8	35
2-Methylphenol	50.0	24.9	19.9	49.8	39.8	28.0-120			22.3	29
3&4-Methyl Phenol	50.0	25.1	20.3	50.2	40.6	31.0-120			21.1	30
2,4-Dichlorophenol	50.0	31.6	24.8	63.2	49.6	36.0-120			24.1	26
2,4-Dimethylphenol	50.0	30.2	24.3	60.4	48.6	33.0-120			21.7	26
4,6-Dinitro-2-methylphenol	50.0	40.6	32.6	81.2	65.2	38.0-138			21.9	25
2,4-Dinitrophenol	50.0	40.8	30.9	81.6	61.8	10.0-120			27.6	39
2-Nitrophenol	50.0	36.1	29.9	72.2	59.8	31.0-120			18.8	29
4-Nitrophenol	50.0	15.9	12.8	31.8	25.6	10.0-120			21.6	33
Pentachlorophenol	50.0	37.2	29.3	74.4	58.6	23.0-120			23.8	25
Phenol	50.0	13.2	10.7	26.4	21.4	10.0-120			20.9	36
1,2,4,5-Tetrachlorobenzene	50.0	39.6	36.7	79.2	73.4	31.0-121			7.60	27
2,4,5-Trichlorophenol	50.0	42.2	33.8	84.4	67.6	44.0-120		J3	22.1	22
2,4,6-Trichlorophenol	50.0	37.6	31.1	75.2	62.2	42.0-120			18.9	23
(S) Nitrobenzene-d5				58.1	53.2	10.0-127				
(S) 2-Fluorobiphenyl				78.2	70.5	10.0-130				
(S) p-Terphenyl-d14				77.6	65.6	10.0-128				
(S) Phenol-d5				24.9	20.3	10.0-120				
(S) 2-Fluorophenol				34.8	29.1	10.0-120				
(S) 2,4,6-Tribromophenol				80.5	66.0	10.0-155				

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Method Blank (MB)

(MB) R3583100-2 10/19/20 00:39

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0171	0.0500
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(g,h,i)perylene	U		0.0184	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Fluoranthene	U		0.0270	0.100
Fluorene	U		0.0169	0.0500
Hexachlorobenzene	U		0.00670	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
Phenanthrene	U		0.0180	0.0500
Pyrene	U		0.0169	0.0500
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
2-Chloronaphthalene	U		0.0682	0.250
Dibenzofuran	U		0.0191	0.0500
(S) Nitrobenzene-d5	106			31.0-160
(S) 2-Fluorobiphenyl	93.0			48.0-148
(S) p-Terphenyl-d14	103			37.0-146

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS)

(LCS) R3583100-1 10/18/20 23:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dibenzofuran	2.00	2.03	102	67.0-134	
Anthracene	2.00	2.11	105	67.0-150	
Acenaphthene	2.00	2.07	104	65.0-138	
Acenaphthylene	2.00	2.22	111	66.0-140	
Benzo(a)anthracene	2.00	1.98	99.0	61.0-140	
Benzo(a)pyrene	2.00	1.53	76.5	60.0-143	
Benzo(b)fluoranthene	2.00	1.56	78.0	58.0-141	
Benzo(g,h,i)perylene	2.00	1.33	66.5	52.0-153	
Benzo(k)fluoranthene	2.00	1.44	72.0	58.0-148	

Laboratory Control Sample (LCS)

(LCS) R3583100-1 10/18/20 23:59

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Chrysene	2.00	1.87	93.5	64.0-144	
Dibenz(a,h)anthracene	2.00	1.28	64.0	52.0-155	
Fluoranthene	2.00	2.03	102	69.0-153	
Fluorene	2.00	2.08	104	64.0-136	
Hexachlorobenzene	2.00	1.95	97.5	40.0-140	
Indeno(1,2,3-cd)pyrene	2.00	1.37	68.5	54.0-153	
Naphthalene	2.00	1.94	97.0	61.0-137	
Phenanthrene	2.00	2.00	100	62.0-137	
Pyrene	2.00	2.03	102	60.0-142	
1-Methylnaphthalene	2.00	1.94	97.0	66.0-142	
2-Methylnaphthalene	2.00	1.86	93.0	62.0-136	
2-Chloronaphthalene	2.00	1.97	98.5	64.0-140	
(S) Nitrobenzene-d5			105	31.0-160	
(S) 2-Fluorobiphenyl			100	48.0-148	
(S) p-Terphenyl-d14			88.0	37.0-146	

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3583279-2 10/19/20 17:32

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0171	0.0500
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(g,h,i)perylene	U		0.0184	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Fluoranthene	U		0.0270	0.100
Fluorene	U		0.0169	0.0500
Hexachlorobenzene	U		0.00670	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
Phenanthrene	U		0.0180	0.0500
Pyrene	U		0.0169	0.0500
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
2-Chloronaphthalene	U		0.0682	0.250
Dibenzofuran	U		0.0191	0.0500
(S) 2-Fluorobiphenyl	196	J1		48.0-148
(S) p-Terphenyl-d14	194	J1		37.0-146

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Laboratory Control Sample (LCS)

(LCS) R3583279-1 10/19/20 17:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dibenzofuran	2.00	1.90	95.0	67.0-134	
Anthracene	2.00	1.97	98.5	67.0-150	
Acenaphthene	2.00	1.92	96.0	65.0-138	
Acenaphthylene	2.00	2.08	104	66.0-140	
Benzo(a)anthracene	2.00	1.93	96.5	61.0-140	
Benzo(a)pyrene	2.00	1.94	97.0	60.0-143	
Benzo(b)fluoranthene	2.00	1.89	94.5	58.0-141	
Benzo(g,h,i)perylene	2.00	1.80	90.0	52.0-153	
Benzo(k)fluoranthene	2.00	1.94	97.0	58.0-148	
Chrysene	2.00	1.99	99.5	64.0-144	

Laboratory Control Sample (LCS)

(LCS) R3583279-1 10/19/20 17:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dibenz(a,h)anthracene	2.00	1.88	94.0	52.0-155	
Fluoranthene	2.00	1.98	99.0	69.0-153	
Fluorene	2.00	1.97	98.5	64.0-136	
Hexachlorobenzene	2.00	1.91	95.5	40.0-140	
Indeno(1,2,3-cd)pyrene	2.00	1.90	95.0	54.0-153	
Naphthalene	2.00	1.92	96.0	61.0-137	
Phenanthrene	2.00	1.86	93.0	62.0-137	
Pyrene	2.00	1.86	93.0	60.0-142	
1-Methylnaphthalene	2.00	1.92	96.0	66.0-142	
2-Methylnaphthalene	2.00	1.79	89.5	62.0-136	
2-Chloronaphthalene	2.00	1.91	95.5	64.0-140	
(S) Nitrobenzene-d5			211	31.0-160	J1
(S) 2-Fluorobiphenyl			194	48.0-148	J1
(S) p-Terphenyl-d14			189	37.0-146	J1

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

L1273359-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1273359-05 10/19/20 17:49 • (MS) R3583279-3 10/19/20 18:07 • (MSD) R3583279-4 10/19/20 18:24

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 %
Dibenzofuran	1.90	U	1.49	2.00	78.4	105	1	48.0-138		J3	29.2	20
Anthracene	1.90	U	1.48	1.97	77.9	104	1	56.0-156		J3	28.4	20
Acenaphthene	1.90	U	1.49	1.98	78.4	104	1	44.0-153		J3	28.2	20
Acenaphthylene	1.90	U	1.59	2.10	83.7	111	1	53.0-150		J3	27.6	20
Benzo(a)anthracene	1.90	U	1.45	1.98	76.3	104	1	47.0-151		J3	30.9	20
Benzo(a)pyrene	1.90	0.0188	1.44	1.93	74.8	101	1	45.0-146		J3	29.1	20
Benzo(b)fluoranthene	1.90	0.0354	1.47	2.04	75.5	106	1	43.0-142		J3	32.5	20
Benzo(g,h,i)perylene	1.90	0.0302	1.42	1.92	73.1	99.5	1	40.0-147		J3	29.9	20
Benzo(k)fluoranthene	1.90	U	1.45	2.00	76.3	105	1	43.0-148		J3	31.9	21
Chrysene	1.90	0.0211	1.51	2.08	78.4	108	1	50.0-148		J3	31.8	20
Dibenz(a,h)anthracene	1.90	U	1.52	1.95	80.0	103	1	37.0-151		J3	24.8	20
Fluoranthene	1.90	0.0439	1.56	2.13	79.8	110	1	56.0-157		J3	30.9	20
Fluorene	1.90	U	1.57	2.13	82.6	112	1	48.0-148		J3	30.3	20
Hexachlorobenzene	1.90	U	1.46	1.98	76.8	104	1	40.0-140		J3	30.2	20
Indeno(1,2,3-cd)pyrene	1.90	0.0301	1.44	1.96	74.2	102	1	41.0-148		J3	30.6	20
Naphthalene	1.90	U	1.45	1.98	76.3	104	1	10.0-160		J3	30.9	20
Phenanthrene	1.90	0.0205	1.47	1.98	76.3	103	1	47.0-147		J3	29.6	20
Pyrene	1.90	0.0349	1.49	2.04	76.6	106	1	51.0-148		J3	31.2	20
1-Methylnaphthalene	1.90	U	1.43	1.96	75.3	103	1	21.0-160		J3	31.3	20

L1273359-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1273359-05 10/19/20 17:49 • (MS) R3583279-3 10/19/20 18:07 • (MSD) R3583279-4 10/19/20 18:24

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2-Methylnaphthalene	1.90	U	1.40	1.89	73.7	99.5	1	31.0-160		J3	29.8	20
2-Chloronaphthalene	1.90	U	1.52	2.06	80.0	108	1	52.0-148		J3	30.2	20
(S) Nitrobenzene-d5					167	217		31.0-160	J1	J1		
(S) 2-Fluorobiphenyl					161	219		48.0-148	J1	J1		
(S) p-Terphenyl-d14					148	199		37.0-146	J1	J1		

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



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

J	The identification of the analyte is acceptable; the reported value is an estimate.
J0	J0: The identification of the analyte is acceptable, but the reported concentration is an estimate. The calibration method criteria.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
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.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 AI

9 Sc



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

* 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 National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	n/a
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}	90010	South Carolina	84004
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana ¹	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

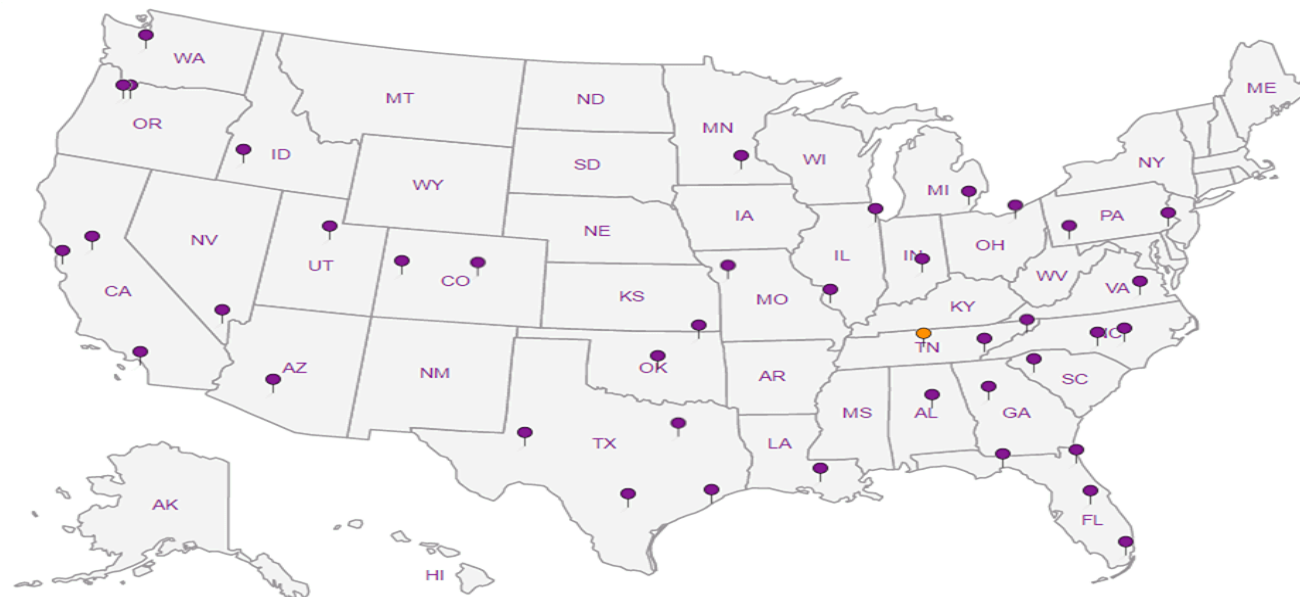
Third Party Federal Accreditations

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Arcadis - Chevron - NY

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

Report to:
Ed Meyer

Project Description:
Beacon

Phone: 609-860-0590

Client Project #
30043615

Lab Project #
CHEVARCNY-BEACON

Collected by (print): *Kirk Vargas*
Bulek Sandoz

Site/Facility ID #
PMG00037

P.O. #

Collected by (signature): *[Signature]*

Rush? (Lab MUST Be Notified)

Same Day Five Day
Next Day 5 Day (Rad Only)
Two Day 10 Day (Rad Only)
Three Day

Quote #

Date Results Needed

No.
of
Cntrs

Immediately
Packed on Ice N ☐ Y ☒

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
DC-2-W-201012	Grab	GW		10/12/20	1140	9
DB-8A-W-201012	Grab	GW		10/12/20	1450	11
OR-2-W-201012	Grab	GW		10/12/20	1342	9
OS-2-W-201012	Grab	GW		10/12/20	1320	9
OR-3-W-201013	Grab	GW		10/13/20	1112	27
OS-3-W-201013	Grab	GW		10/13/20	1015	9
OS-2-W-201012	Grab	GW		10/13/20	1320	9
BD-W-201012	Grab	BD		10/12/20	—	9
EB-W-201013	Grab	EB		10/13/20	1640	11
EB-W-201012	Grab	EB		10/12/20	1630	11

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

Remarks:

Samples returned via:
UPS FedEx Courier

Tracking # 9186 2508 7557-7568

Relinquished by: (Signature) *[Signature]*

Date: 10/13/20
Time: 1820

Received by: (Signature) *[Signature]*
9186 2508 7557

Trip Blank Received: Yes/No
HCL/MeOH
TBR

Relinquished by: (Signature)

Date: Time:

Received by: (Signature)

Temp: 14.3 °C
7+1.8
Bottles Received: 114

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: Time:

Received by: (Signature) *[Signature]*

Date: 10/14/20
Time: 900

Hold:

Condition:
NCF/OK

Billing Information:

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

Pres
Chk

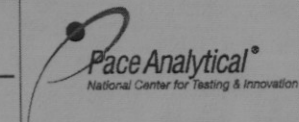
Email To:
ed.meyer@arcadis.com; mosam.shah@arcadis.com

City/State
Collected: NY

Please Circle:
PT MT CT ET

Analysis / Container / Preservative

Chain of Custody Page 1 of 2



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # L1273359

Table #

F029

Acctnum: CHEVARCNY

Template: T166593

Prelogin: P803368

PM: 526 - Chris McCord

PB: TB 10-9-20

Shipped Via: FedEx 2nd Day

Remarks

Sample # (lab only)

Sample Receipt Checklist

COC Seal Present/Intact: ☒ 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

Arcadis - Chevron - NY

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

Report to:
Ed Meyer

Project Description:
Beacon

Phone: 609-860-0590

Collected by (print): *Kirk V. ...*
Bulete Sandbag

Collected by (signature): *[Signature]*

Immediately
Packed on Ice N ☐ Y ☒

Billing Information:

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

Email To:
ed.meyer@arcadis.com; mosam.shah@arcadis.c

City/State
Collected: NY

Please Circle:
PT MT CT ET

Client Project #
30043615

Lab Project #
CHEVARCNY-BEACON

Site/Facility ID #
PMG00037

P.O. #

Rush? (Lab MUST Be Notified)

☐ Same Day ☐ Five Day
☐ Next Day ☒ 5 Day (Rad Only)
☐ Two Day ☐ 10 Day (Rad Only)
☐ Three Day

Quote #

Date Results Needed

No.
of
Cntrs

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

No.
of
Cntrs

TB-W-201012

Grab

GW

10/12/20

1

TB-W-201013

Grab

GW

10/13/20

1

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

Remarks:

Samples returned via:
☐ UPS ☐ FedEx ☐ Courier

Tracking # 918625087568

Relinquished by: (Signature)

Date:

10/13/20

Time:

1820

Received by: (Signature)

Temp Blank Received: Yes/No

20°C
HCL MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: 13°C
Bottles Received: 114

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

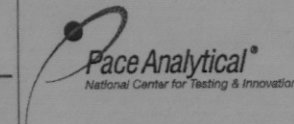
Date: 10/14/20 Time: 900

Hold:

Condition:
NCF OK

Analysis / Container / Preservative

Chain of Custody Page 1 of 2



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # L1273359

Table #

Acctnum: CHEVARCNY

Template: T166593

Prelogin: P803368

PM: 526 - Chris McCord

PB: 76 10-9-20

Shipped Via: FedEx 2nd Day

Remarks

Sample # (lab only)

-10

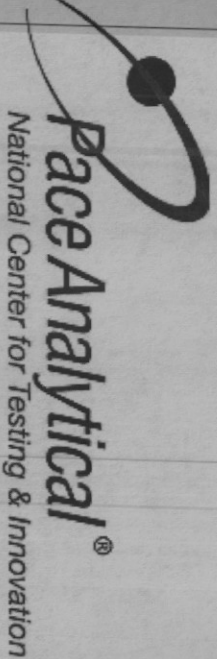
-11

Sample Receipt Checklist

COC Seal Present/Intact: ☒ 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

If preservation required by Login: Date/Time

Katie Ingram



Login #: L1273359	Client:CHARCNY	Date: 10/14/20	Evaluated by: Myra "Katie" Ingram

Non-Conformance (check applicable items)

Sample Integrity		Chain of Custody Clarification	
Parameter(s) past holding time	x	Login Clarification Needed	If Broken Container:
Temperature not in range		Chain of custody is incomplete	Insufficient packing material around container
Improper container type		Please specify Metals requested.	Insufficient packing material inside cooler
pH not in range.		Please specify TCLP requested.	Improper handling by carrier (FedEx / UPS / Court
Insufficient sample volume.	x	Received additional samples not listed on coc.	Sample was frozen
Sample is biphasic.		Sample ids on containers do not match ids on coc	Container lid not intact
Vials received with headspace.		Trip Blank not received.	If no Chain of Custody:
Broken container		Client did not "X" analysis.	Received by:
Broken container:		Chain of Custody is missing	Date/Time:
Sufficient sample remains			Temp./Cont. Rec./pH:
			Carrier:
			Tracking#

Login Comments:

ID: OS-2-W-201012 listed twice on the COC, but only received one set.

Received ID: TF-23, with collect date/time 10/13/20 @ 1245, that is not listed on the chain.

Did not receive PAHSIMLVID containers for multiple IDs; DC-2, OR-2, OS-2, OR-3, OS-3, & BD.

Client informed by:	Call	x	Email	Voice Mail	Date: 10/15/20	Time: 13:13
TSR Initials: CM	Client Contact: Mosam Shah					

Login Instructions:

Only sampled once. Accidentally listed twice on the COC.

Add TF-23 for QC4, PBDG, V524LL, 8270D, V8260LLC, 8270D, PAHSIMLVID.

Relabel 1 – 40mlAmb HCl for PAHSIMLVID on all samples needed.

Santander, Carolina

From: Denkenberger, Erika
Sent: Friday, June 25, 2021 7:08 AM
To: NYENVDATA@dec.ny.gov
Cc: Meyer, Edward; Santander, Carolina
Subject: Original EDD Submittal for NYSDEC Site No. 314004, Chevron Beacon, NY - Texaco Research Center Site
Attachments: 20210625 0702.314004.NYSDEC_MERGE.zip

DEC EIMS Administrator,

The attached EDD contains groundwater data collected at the Chevron Beacon, NY – Texaco Research Center Site (NYSDEC Site No. 314004) in April and October 2020.

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

Thank you,
Erika

Erika E. Denkenberger | Data Manager/Project Scientist | erika.denkenberger@arcadis.com

Arcadis | Arcadis of New York, Inc.

One Lincoln Center, Suite 300 | 110 W. Fayette St. | Syracuse, NY 13202 | USA

M. +1 315 415 2302

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Be green, leave it on the screen.

APPENDIX C

Data Validation Reports



Former Chevron Texaco Research Center

DATA REVIEW

Beacon, New York

Volatiles, Semi Volatiles and Metals Analyses

SDG # L1212188

Analyses Performed By:
Pace Analytical, Lebanon Rd
Tennessee

Report # 36829R
Review Level: Tier III
Project: 30043615.1.9401.GEC



DATA REVIEW REPORT

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG)# L1212188 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
OR-3-W-200423	L1212188-01	Water	04/23/20		X	X	X
OS-3-W-200423	L1212188-02	Water	04/23/20		X	X	X
DB-17-W-200423	L1212188-03	Water	04/23/20		X	X	X
TF-5-W-200423	L1212188-04	Water	04/22/20		X	X	X
DB-8A-W-200423	L1212188-05	Water	04/23/20		X	X	X
OR-2-W-200423	L1212188-06	Water	04/23/20		X	X	X
OS-2-W-200423	L1212188-07	Water	04/23/20		X	X	X
DC-1-W-200423	L1212188-08	Water	04/23/20		X	X	X
DC-2-W-200423	L1212188-09	Water	04/23/20		X	X	X
TF-23-W-200422	L1212188-10	Water	04/22/20		X	X	X
EB-1-W-200422	L1212188-11	Water	04/22/20		X	X	X
EB-2-W-200423	L1212188-12	Water	04/23/20		X	X	X
BD-1-W-200423	L1212188-13	Water	04/23/20	OS-3-W-200423	X	X	X
Trip Blank	L1212188-14	Water	4/23/20		X		

Notes:

VOC - Volatile Organic Compounds.

SVOC - Semivolatile Organic Compounds.

MET - Metals.

DATA REVIEW REPORT

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of 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 limits		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 (COC) 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

10. Field sample ID mismatch observed between chain of custody and analysis report. Details are presented in the following table. Field sample id was considered as per Analysis report.

Field Sample ID on COC	Field Sample IDs on Analysis Report
TF-5-W-200423	TF-5-W-200422

DATA REVIEW REPORT

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C and 8270D. Data were reviewed in accordance with USEPA Region II Standard Operating Procedures (SOPs), National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-2017-002, January 2017 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999, as appropriate).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
 - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
 - UB Compound is considered non-detect at the listed value due to associated blank contamination.
 - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
 - R The sample results are rejected.

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.

DATA REVIEW REPORT

VOLATILE ORGANIC COMPOUND (VOC) 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 8260C	Water	14 days from collection to analysis	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:

s.u. Standard units

All samples were analyzed within the specified holding time criteria.

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 Chloroform. Chloroform was detected greater than the reporting limit in method blank. A blank action level (BAL) was established at five times of the detected blank concentration. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample	Analyte	Sample Result	Qualification
DB-8A-W-200423	Chloroform (MB)	Detected sample results <RL and <BAL	"UB" at the RL
DC-1-W-200423			

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.

DATA REVIEW REPORT

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample ID	Initial/Continuing	Compound	Criteria
OR-3-W-200423 OS-3-W-200423 DB-17-W-200423 TF-5-W-200423 DB-8A-W-200423 OR-2-W-200423 OS-2-W-200423 DC-1-W-200423 DC-2-W-200423 TF-23-W-200422 EB-1-W-200422 EB-2-W-200423	Continuing Calibration Verification %D	Chloroethane	28.5%
		Dichlorodifluoromethane	37.4%
BD-1-W-200423		Dichlorodifluoromethane	38.0%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01 ¹	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01 ¹	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 20% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD > 90%	Non-detect	R
		Detect	J
Continuing Calibration	%D > 20%	Non-detect	No Action
		Detect	J
	%D < 20%	Non-detect	UJ
		Detect	J
	%D > 90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

DATA REVIEW REPORT

Initial/Continuing	Criteria	Sample Result	Qualification

Note:

¹RRF of 0.01 only applies to compounds which are typically poor responding compounds

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 insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires 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 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 OS-3-W-200423. The MS/MSD exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

8. Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries and RPDs within the control limits.

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 matrices.

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.

DATA REVIEW REPORT

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 REVIEW REPORT

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 8260C	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		
Internal standard		X		X		
Compound identification and quantitation						
Reconstructed ion chromatograms		X		X		
Quantitation Reports		X		X		
RT of sample compounds within the established RT windows		X		X		
Transcription/calculation errors present		X		X		
Reporting limits adjusted to reflect sample dilutions		X		X		

Notes:

%RSD Relative standard deviation
 %R Percent recovery
 RPD Relative percent difference
 %D Percent difference

DATA REVIEW REPORT

SEMIVOLATILE ORGANIC COMPOUND (SVOC) 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 8270D	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 criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

DATA REVIEW REPORT

4.2 Continuing Calibration

All target compounds associated with the initial calibration verification (ICV) and continuing calibration verification (CCV) 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
TF-5-W-200423	Continuing Calibration Verification %D	Hexachlorocyclopentadiene	25.2%
TF-23-W-200422		n-Nitrosodimethylamine	30.8%
EB-1-W-200422			
OR-3-W-200423			
OS-3-W-200423			
DB-17-W-200423			
DB-8A-W-200423			
OR-2-W-200423		n-Nitrosodimethylamine	35.2%
OS-2-W-200423			
DC-1-W-200423			
DC-2-W-200423			
EB-2-W-200423			
BD-1-W-200423			

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF < 0.05	Non-detect	R
		Detect	J
	RRF < 0.01 ¹	Non-detect	R
		Detect	J
	RRF > 0.05 or RRF > 0.01 ¹	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 20% or a correlation coefficient < 0.99	Non-detect	UJ
		Detect	J
	%RSD > 90%	Non-detect	R
		Detect	J
Continuing Calibration	%D > 20%	Non-detect	No Action
		Detect	J
	%D < 20%	Non-detect	UJ
		Detect	J
	%D > 90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

Note:

DATA REVIEW REPORT

Initial/Continuing	Criteria	Sample Result	Qualification

¹RRF of 0.01 only applies to compounds which are typically poor responding compounds

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 two of the three SVOC surrogate compounds within each fraction exhibit recoveries within the laboratory-established acceptance limits

All surrogate recoveries were within control limits.

6. 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 where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

The MS/MSD analysis performed on sample OS-3-W-200423. The MS/MSD exhibited acceptable recoveries and RPD between the MS/MSD recoveries.

7. 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 analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits.

8. 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 matrices.

The calculated RPDs between the parent sample and field duplicate were acceptable.

9. 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.

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 REVIEW REPORT

DATA VALIDATION CHECKLIST FOR SVOCs

SVOCs: SW-846 8270D	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	

Notes:

%RSD Relative standard deviation
 %R Percent recovery
 RPD Relative percent difference
 %D Percent difference

DATA REVIEW REPORT

INORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency USEPA Method, SW846 methods 6020A. Data were reviewed in accordance with "USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, EPA-540-R-10-011, January 2010", with additional reference to "USEPA CLP National Functional Guidelines for Inorganic Data Review, EPA 540/R-04-004, October 2004" as appropriate and applicable Region II SOPs.

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 reported sample detection 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.

DATA REVIEW REPORT

METAL (DISSOLVED LEAD) 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 with nitric acid.

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. 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.

3.1 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.

The analyte associated with calibration standard recovery was within control limits.

4. 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.

4.1 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 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 OS-3-W-200423 for lead and exhibited recoveries and RPD within the control limit.

4.2 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

DATA REVIEW REPORT

sample concentrations are less than or equal to 5 times the RL, a control limit of one times the RL is applied for water matrices and two times the RL for soil matrices.

A laboratory duplicate analysis was not performed on sample from this SDG.

5. 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 matrices.

The calculated RPDs between the parent sample and field duplicate were acceptable.

6. 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.

7. Serial Dilution

The serial dilution analysis is used to assess if a significant physical or chemical interference exists due to sample matrix. Analytes exhibiting concentrations greater than 50 times the MDL in the undiluted sample are evaluated to determine if matrix interference exists. These analytes are required to have less than a 10% difference (%D) between sample results from the undiluted (parent) sample and results associated with the same sample analyzed with a five-fold dilution.

The serial dilution analysis was performed on a sample ID OS-3-W-200423. Since the analyte was non detect, no further qualification required.

8. 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 REVIEW REPORT

DATA VALIDATION CHECKLIST FOR METAL

METALS: SW-846 6020A	Reported		Performance Acceptable		Not Required	
	No	Yes	No	Yes		
Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)						
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		
CRDL Standard Recovery		X		X		
ICP Interference Check	X				X	
ICP-MS Internal Standards	X				X	
Reporting limits adjusted to reflect sample dilutions		X		X		

Notes:

%R Percent recovery

RPD Relative percent difference

DATA REVIEW REPORT

VALIDATION PERFORMED BY: Prashanth K

SIGNATURE:



DATE: July 21, 2020

PEER REVIEW: Dennis Capria

DATE: July 28, 2020

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS



Arcadis - Chevron - NY

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

Report to:
Ed Meyer

Project Description:
Beacon

Phone: **609-860-0590**

Client Project #
30043615

Lab Project #
CHEVARCNY-BEACON

Collected by (print):

Kirk Vargas, Balala Sandoz

Site/Facility ID # **314004**

P.O. #

30043615

Collected by (signature):

KV

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

10 DAYS TAT

Immediately

Packed on Ice N ☐ Y ☒

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
OR-3-W-200423	Grab	GW	70.5	4/23/20	1442	6
OS-3-W-200423	Grab	GW	8.0	4/23/20	1253	6
DB-17-W-200423	Grab	GW	8.5	4/23/20	1005	6
TF-5-W-200423	Grab	GW	8.0	4/22/20	1422	6
DB-8A-W-200423	Grab	GW	10.0	4/23/20	1536	6
OR-2-W-200423	Grab	GW	36.0	4/23/20	1450	6
OS-2-W-200423	Grab	GW	14.0	4/23/20	1300	6
DC-1-W-200423	Grab	GW	8.0	4/23/20	1335	6
DC-2-W-200423	Grab	GW	12.0	4/23/20	0952	6
TF-23-W-200422	Grab	GW	12.0	4/22/20	1415	6

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

Remarks: **Chevron PM-MARK HEDRICKSON**

Arcadis PM-Ed Meyer

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking #

Relinquished by: (Signature)

KV

Date:

4/23/20

Time:

1840

Received by: (Signature)

[Signature]

Trip Blank Received: Yes/No

2 ☒ Yes ☐ No
HCL/MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

[Signature]

Temp: **21.1 ± 0.2 °C**

40

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

[Signature]

Date: **4-24-20**

Time: **0815**

If preservation required by Login: Date/Time

Hold:

Condition:

NCF / ☒ OK

Analysis / Container / Preservative

Pres
Chk

8270D 100ml Amb NoPres

PBDG - Lab filter 250mlHDPE-NoPres

V8260C 40mlAmb-HCI

V8260C-TripBlank 40mlAmb-HCI-Blk

MS/MSD

Chain of Custody Page 1 of 2



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG #

1212188

Tab

D187

Acctnum: **CHEVARCNY**

Template: **T166593**

Prelogin: **P769099**

PM: **526 - Chris McCord**

PB: **4-17-2020 Gm**

Shipped Via: **FedEX 2nd Day**

Remarks

Sample # (lab only)

Sample Receipt Checklist

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

Arcadis - Chevron - NY

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

Report to:
Ed Meyer

Project Description:
Beacon

Phone: 609-860-0590

Client Project #
30043615

Lab Project #
CHEVARCNY-BEACON

Collected by (print):
Kirk Yargus, Beate Sawdago

Site/Facility ID #
314004

P.O. #
30043615

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Immediately

Same Day Five Day
Next Day 5 Day (Rad Only)
Two Day 10 Day (Rad Only)
Three Day

Date Results Needed

10 DAYS TAT

Packed on Ice N Y ☒

Sample ID Comp/Grab Matrix * Depth Date Time No. of Cntrs

EB-1-W-200422 Grab GW N/A 4/22/20 1330 6

EB-2-W-200423 Grab GW N/A 4/23/20 1615 6

BD-1-W-200423 Grab GW N/A 4/23/20 — 6

GW 6

GW 6

GW 6

TRIP BLANK Grab GW N/A — — 2

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

GW 6

Billing Information:

Attn: Accounts Payable
10205 Westheimer Road
Suite 800
Houston, TX 77042

Email To:
ed.meyer@arcadis.com;mosam.shah@arcadis.com

City/State: 45 Old Glenham Road
Collected: Beacon, New York

Please Circle:
PT MT CT ET

Pres
Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 2



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # 12/2/88

Table #

Acctnum: CHEVARCNY

Template: T166593

Prelogin: P769099

PM: 526 - Chris McCord

PB: 4-17-2006 Gm

Shipped Via: FedEx 2nd Day

Remarks Sample # (lab only)

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

Remarks: Chevron PM - Mark Hendricks
Arcadis PM - Ed Meyer

Samples returned via:
UPS FedEx Courier

Tracking #

pH Temp

Flow Other

Sample Receipt Checklist

COC Seal Present/Intact: 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: 4/23/20

Time: 1840

Received by: (Signature)

Trip Blank Received: Yes/No
HCL/MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: 2.1 (±0.2) °C
Bottles Received: 40

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 4-23-20
Time: 1845

If preservation required by Login: Date/Time

Hold: Condition: NCF OK



Analytical Method: 8260C
Matrix: GW

SDG: L1212188

Sample ID	Lab Sample ID	Instrument	File ID	DMC-1 % Rec.	DMC-2 % Rec.	DMC-3 % Rec.	TOT Out
OR-3-W-200423	L1212188-01	VOCMS16	0427_50	107	105	105	0
OS-3-W-200423	L1212188-02	VOCMS16	0427_59	102	103	106	0
DB-17-W-200423	L1212188-03	VOCMS16	0427_51	106	101	103	0
TF-5-W-200422	L1212188-04	VOCMS16	0427_52	103	101	109	0
DB-8A-W-200423	L1212188-05	VOCMS16	0427_53	107	98.9	106	0
OR-2-W-200423	L1212188-06	VOCMS16	0427_54	105	99.4	105	0
OS-2-W-200423	L1212188-07	VOCMS16	0427_55	105	103	106	0
DC-1-W-200423	L1212188-08	VOCMS16	0427_56	105	97.8	109	0
DC-2-W-200423	L1212188-09	VOCMS16	0427_57	106	103	108	0
TF-23-W-200422	L1212188-10	VOCMS16	0427_58	105	102	107	0
EB-1-W-200422	L1212188-11	VOCMS16	0427_35	104	103	109	0
EB-2-W-200423	L1212188-12	VOCMS16	0427_36	109	97.1	105	0
BD-1-W-200423	L1212188-13	VOCMS16	0428_42	107	99.2	108	0
TRIP BLANK-200423	L1212188-14	VOCMS16	0428_34	106	101	110	0
MS	R3522532-3	VOCMS16	0427_60	104	97.2	107	0
MSD	R3522532-4	VOCMS16	0427_61	105	97.0	111	0
BLANK	R3522532-2	VOCMS16	0427_34A	103	105	106	0
BLANK	R3523208-3	VOCMS16	0428_33	105	103	110	0
LCS	R3522532-1	VOCMS16	0427_32	100	94.4	110	0
LCS	R3523208-1	VOCMS16	0428_30LCS	104	97.3	110	0
LCSD	R3523208-2	VOCMS16	0428_31	110	103	111	0

Parm Abbreviation	Parameter	QC LIMITS
DMC-1	Toluene-d8	80.0 - 120
DMC-2	4-Bromofluorobenzene	77.0 - 126
DMC-3	1,2-Dichloroethane-d4	70.0 - 130

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
OR-3-W-200423

Lab Sample ID: L1212188-01
Client Sample ID: OR-3-W-200423
Lab File ID: 0427_50
Instrument ID: VOCMS16
Analytical Batch: WG1467094
Dilution Factor: 1
Analytical Method: 8260C
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 14:42
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/28/20 03:59
Analysis Date/Time: 04/28/20 03:59
Prep Method: 8260C
Sample Vol Used: 5 mL
Initial Wt/Vol: _____
Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Acetone	67-64-1	3.14	U		0.0113	0.0500
Acrolein	107-02-8	0	U	JO	0.00254	0.0500
Acrylonitrile	107-13-1	0	U		0.000671	0.0100
Benzene	71-43-2	0	U		0.0000941	0.00100
Bromobenzene	108-86-1	0	U		0.000118	0.00100
Bromodichloromethane	75-27-4	0	U		0.000136	0.00100
Bromoform	75-25-2	0	U		0.000129	0.00100
Bromomethane	74-83-9	0	U		0.000605	0.00500
n-Butylbenzene	104-51-8	0	U		0.000157	0.00100
sec-Butylbenzene	135-98-8	0	U		0.000125	0.00100
tert-Butylbenzene	98-06-6	0	U		0.000127	0.00100
Carbon tetrachloride	56-23-5	0	U		0.000128	0.00100
Chlorobenzene	108-90-7	0	U		0.000116	0.00100
Chlorodibromomethane	124-48-1	0	U		0.000140	0.00100
Chloroethane	75-00-3	0	U		0.000192	0.00500
Chloroform	67-66-3	0	U		0.000111	0.00500
Chloromethane	74-87-3	0	U		0.000960	0.00250
2-Chlorotoluene	95-49-8	0	U		0.000106	0.00100
4-Chlorotoluene	106-43-4	0	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	96-12-8	0	U		0.000276	0.00500
1,2-Dibromoethane	106-93-4	0	U		0.000126	0.00100
Dibromomethane	74-95-3	0	U		0.000122	0.00100
1,2-Dichlorobenzene	95-50-1	0	U		0.000107	0.00100
1,3-Dichlorobenzene	541-73-1	0	U		0.000110	0.00100
1,4-Dichlorobenzene	106-46-7	0	U		0.000120	0.00100
Dichlorodifluoromethane	75-71-8	0	U		0.000374	0.00500
1,1-Dichloroethane	75-34-3	0	U		0.000100	0.00100
1,2-Dichloroethane	107-06-2	0	U		0.0000819	0.00100
1,1-Dichloroethene	75-35-4	0	U		0.000188	0.00100
cis-1,2-Dichloroethene	156-59-2	0	U		0.000126	0.00100
trans-1,2-Dichloroethene	156-60-5	0	U		0.000149	0.00100
1,2-Dichloropropane	78-87-5	0	U		0.000149	0.00100
1,1-Dichloropropene	563-58-6	0	U		0.000142	0.00100
1,3-Dichloropropane	142-28-9	0	U		0.000110	0.00100
cis-1,3-Dichloropropene	10061-01-5	0	U		0.000111	0.00100
trans-1,3-Dichloropropene	10061-02-6	0	U		0.000118	0.00100
2,2-Dichloropropane	594-20-7	0	U		0.000161	0.00100
Di-isopropyl ether	108-20-3	0	U		0.000105	0.00100
Ethylbenzene	100-41-4	0	U		0.000137	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.000337	0.00100
Isopropylbenzene	98-82-8	0	U		0.000105	0.00100
p-Isopropyltoluene	99-87-6	0	U		0.000120	0.00100
2-Butanone (MEK)	78-93-3	0	U		0.00119	0.0100

Lab Sample ID: L1212188-01

Client Sample ID: OR-3-W-200423

Lab File ID: 0427_50

Instrument ID: VOCMS16

Analytical Batch: WG1467094

Dilution Factor: 1

Analytical Method: 8260C

Matrix: GW

Total Solids (%):

SDG: L1212188

Collected Date/Time: 04/23/20 14:42

Received Date/Time: 04/24/20 08:15

Preparation Date/Time: 04/28/20 03:59

Analysis Date/Time: 04/28/20 03:59

Prep Method: 8260C

Sample Vol Used: 5 mL

Initial Wt/Vol:

Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Methylene Chloride	75-09-2	0	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	108-10-1	0	U		0.000478	0.0100
Methyl tert-butyl ether	1634-04-4	0	U		0.000101	0.00100
Naphthalene	91-20-3	0	U		0.00100	0.00500
n-Propylbenzene	103-65-1	0	U		0.0000993	0.00100
Styrene	100-42-5	0	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	630-20-6	0	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	79-34-5	0	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	76-13-1	0	U		0.000180	0.00100
Tetrachloroethene	127-18-4	0	U		0.000300	0.00100
Toluene	108-88-3	0	U		0.000278	0.00100
1,2,3-Trichlorobenzene	87-61-6	0	U		0.000230	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.000481	0.00100
1,1,1-Trichloroethane	71-55-6	4.12	U		0.000149	0.00100
1,1,2-Trichloroethane	79-00-5	0	U		0.000158	0.00100
Trichloroethene	79-01-6	0	U		0.000190	0.00100
Trichlorofluoromethane	75-69-4	0	U		0.000160	0.00500
1,2,3-Trichloropropane	96-18-4	0	U		0.000237	0.00250
1,2,4-Trimethylbenzene	95-63-6	0	U		0.000322	0.00100
1,2,3-Trimethylbenzene	526-73-8	0	U		0.000104	0.00100
1,3,5-Trimethylbenzene	108-67-8	0	U		0.000104	0.00100
Vinyl chloride	75-01-4	0	U		0.000234	0.00100
Xylenes, Total	1330-20-7	0	U		0.000174	0.00300

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
OS-3-W-200423

Lab Sample ID: L1212188-02
Client Sample ID: OS-3-W-200423
Lab File ID: 0427_59
Instrument ID: VOCMS16
Analytical Batch: WG1467094
Dilution Factor: 1
Analytical Method: 8260C
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 12:53
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/28/20 07:03
Analysis Date/Time: 04/28/20 07:03
Prep Method: 8260C
Sample Vol Used: 5 mL
Initial Wt/Vol: _____
Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Acetone	67-64-1	3.14	U		0.0113	0.0500
Acrolein	107-02-8	0	U	JO	0.00254	0.0500
Acrylonitrile	107-13-1	0	U		0.000671	0.0100
Benzene	71-43-2	0	U		0.0000941	0.00100
Bromobenzene	108-86-1	0	U		0.000118	0.00100
Bromodichloromethane	75-27-4	0	U		0.000136	0.00100
Bromoform	75-25-2	0	U		0.000129	0.00100
Bromomethane	74-83-9	0	U		0.000605	0.00500
n-Butylbenzene	104-51-8	0	U		0.000157	0.00100
sec-Butylbenzene	135-98-8	0	U		0.000125	0.00100
tert-Butylbenzene	98-06-6	0	U		0.000127	0.00100
Carbon tetrachloride	56-23-5	0	U		0.000128	0.00100
Chlorobenzene	108-90-7	0	U		0.000116	0.00100
Chlorodibromomethane	124-48-1	0	U		0.000140	0.00100
Chloroethane	75-00-3	0	U		0.000192	0.00500
Chloroform	67-66-3	0	U		0.000111	0.00500
Chloromethane	74-87-3	0	U		0.000960	0.00250
2-Chlorotoluene	95-49-8	0	U		0.000106	0.00100
4-Chlorotoluene	106-43-4	0	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	96-12-8	0	U		0.000276	0.00500
1,2-Dibromoethane	106-93-4	0	U		0.000126	0.00100
Dibromomethane	74-95-3	0	U		0.000122	0.00100
1,2-Dichlorobenzene	95-50-1	0	U		0.000107	0.00100
1,3-Dichlorobenzene	541-73-1	0	U		0.000110	0.00100
1,4-Dichlorobenzene	106-46-7	0	U		0.000120	0.00100
Dichlorodifluoromethane	75-71-8	0	U		0.000374	0.00500
1,1-Dichloroethane	75-34-3	0	U		0.000100	0.00100
1,2-Dichloroethane	107-06-2	0	U		0.0000819	0.00100
1,1-Dichloroethene	75-35-4	0	U		0.000188	0.00100
cis-1,2-Dichloroethene	156-59-2	0	U		0.000126	0.00100
trans-1,2-Dichloroethene	156-60-5	0	U		0.000149	0.00100
1,2-Dichloropropane	78-87-5	0	U		0.000149	0.00100
1,1-Dichloropropene	563-58-6	0	U		0.000142	0.00100
1,3-Dichloropropane	142-28-9	0	U		0.000110	0.00100
cis-1,3-Dichloropropene	10061-01-5	0	U		0.000111	0.00100
trans-1,3-Dichloropropene	10061-02-6	0	U		0.000118	0.00100
2,2-Dichloropropane	594-20-7	0	U		0.000161	0.00100
Di-isopropyl ether	108-20-3	0	U		0.000105	0.00100
Ethylbenzene	100-41-4	0	U		0.000137	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.000337	0.00100
Isopropylbenzene	98-82-8	0	U		0.000105	0.00100
p-Isopropyltoluene	99-87-6	0	U		0.000120	0.00100
2-Butanone (MEK)	78-93-3	0	U		0.00119	0.0100

Lab Sample ID:	L1212188-02	SDG:	L1212188
Client Sample ID:	OS-3-W-200423	Collected Date/Time:	04/23/20 12:53
Lab File ID:	0427_59	Received Date/Time:	04/24/20 08:15
Instrument ID:	VOCMS16	Preparation Date/Time:	04/28/20 07:03
Analytical Batch:	WG1467094	Analysis Date/Time:	04/28/20 07:03
Dilution Factor:	1	Prep Method:	8260C
Analytical Method:	8260C	Sample Vol Used:	5 mL
Matrix:	GW	Initial Wt/Vol:	
Total Solids (%):		Final Wt/Vol:	5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Methylene Chloride	75-09-2	0	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	108-10-1	0	U		0.000478	0.0100
Methyl tert-butyl ether	1634-04-4	0	U		0.000101	0.00100
Naphthalene	91-20-3	0	U		0.00100	0.00500
n-Propylbenzene	103-65-1	0	U		0.0000993	0.00100
Styrene	100-42-5	0	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	630-20-6	0	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	79-34-5	0	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	76-13-1	0	U		0.000180	0.00100
Tetrachloroethene	127-18-4	0	U		0.000300	0.00100
Toluene	108-88-3	0	U		0.000278	0.00100
1,2,3-Trichlorobenzene	87-61-6	0	U		0.000230	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.000481	0.00100
1,1,1-Trichloroethane	71-55-6	0	U		0.000149	0.00100
1,1,2-Trichloroethane	79-00-5	0	U		0.000158	0.00100
Trichloroethene	79-01-6	0	U		0.000190	0.00100
Trichlorofluoromethane	75-69-4	0	U		0.000160	0.00500
1,2,3-Trichloropropane	96-18-4	0	U		0.000237	0.00250
1,2,4-Trimethylbenzene	95-63-6	0	U		0.000322	0.00100
1,2,3-Trimethylbenzene	526-73-8	0	U		0.000104	0.00100
1,3,5-Trimethylbenzene	108-67-8	0	U		0.000104	0.00100
Vinyl chloride	75-01-4	0	U		0.000234	0.00100
Xylenes, Total	1330-20-7	0	U		0.000174	0.00300

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
DB-17-W-200423

Lab Sample ID: L1212188-03
Client Sample ID: DB-17-W-200423
Lab File ID: 0427_51
Instrument ID: VOCMS16
Analytical Batch: WG1467094
Dilution Factor: 1
Analytical Method: 8260C
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 10:05
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/28/20 04:20
Analysis Date/Time: 04/28/20 04:20
Prep Method: 8260C
Sample Vol Used: 5 mL
Initial Wt/Vol: _____
Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Acetone	67-64-1	3.14	U		0.0113	0.0500
Acrolein	107-02-8	0	U	JO	0.00254	0.0500
Acrylonitrile	107-13-1	0	U		0.000671	0.0100
Benzene	71-43-2	0	U		0.0000941	0.00100
Bromobenzene	108-86-1	0	U		0.000118	0.00100
Bromodichloromethane	75-27-4	0	U		0.000136	0.00100
Bromoform	75-25-2	0	U		0.000129	0.00100
Bromomethane	74-83-9	0	U		0.000605	0.00500
n-Butylbenzene	104-51-8	0	U		0.000157	0.00100
sec-Butylbenzene	135-98-8	0	U		0.000125	0.00100
tert-Butylbenzene	98-06-6	0	U		0.000127	0.00100
Carbon tetrachloride	56-23-5	0	U		0.000128	0.00100
Chlorobenzene	108-90-7	0	U		0.000116	0.00100
Chlorodibromomethane	124-48-1	0	U		0.000140	0.00100
Chloroethane	75-00-3	0	U		0.000192	0.00500
Chloroform	67-66-3	0	U		0.000111	0.00500
Chloromethane	74-87-3	0	U		0.000960	0.00250
2-Chlorotoluene	95-49-8	0	U		0.000106	0.00100
4-Chlorotoluene	106-43-4	0	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	96-12-8	0	U		0.000276	0.00500
1,2-Dibromoethane	106-93-4	0	U		0.000126	0.00100
Dibromomethane	74-95-3	0	U		0.000122	0.00100
1,2-Dichlorobenzene	95-50-1	0	U		0.000107	0.00100
1,3-Dichlorobenzene	541-73-1	0	U		0.000110	0.00100
1,4-Dichlorobenzene	106-46-7	0	U		0.000120	0.00100
Dichlorodifluoromethane	75-71-8	0	U		0.000374	0.00500
1,1-Dichloroethane	75-34-3	0	U		0.000100	0.00100
1,2-Dichloroethane	107-06-2	0	U		0.0000819	0.00100
1,1-Dichloroethene	75-35-4	0	U		0.000188	0.00100
cis-1,2-Dichloroethene	156-59-2	0	U		0.000126	0.00100
trans-1,2-Dichloroethene	156-60-5	0	U		0.000149	0.00100
1,2-Dichloropropane	78-87-5	0	U		0.000149	0.00100
1,1-Dichloropropene	563-58-6	0	U		0.000142	0.00100
1,3-Dichloropropane	142-28-9	0	U		0.000110	0.00100
cis-1,3-Dichloropropene	10061-01-5	0	U		0.000111	0.00100
trans-1,3-Dichloropropene	10061-02-6	0	U		0.000118	0.00100
2,2-Dichloropropane	594-20-7	0	U		0.000161	0.00100
Di-isopropyl ether	108-20-3	0	U		0.000105	0.00100
Ethylbenzene	100-41-4	0	U		0.000137	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.000337	0.00100
Isopropylbenzene	98-82-8	0	U		0.000105	0.00100
p-Isopropyltoluene	99-87-6	0	U		0.000120	0.00100
2-Butanone (MEK)	78-93-3	0	U		0.00119	0.0100

Lab Sample ID:	L1212188-03	SDG:	L1212188
Client Sample ID:	DB-17-W-200423	Collected Date/Time:	04/23/20 10:05
Lab File ID:	0427_51	Received Date/Time:	04/24/20 08:15
Instrument ID:	VOCMS16	Preparation Date/Time:	04/28/20 04:20
Analytical Batch:	WG1467094	Analysis Date/Time:	04/28/20 04:20
Dilution Factor:	1	Prep Method:	8260C
Analytical Method:	8260C	Sample Vol Used:	5 mL
Matrix:	GW	Initial Wt/Vol:	
Total Solids (%):		Final Wt/Vol:	5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Methylene Chloride	75-09-2	0	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	108-10-1	0	U		0.000478	0.0100
Methyl tert-butyl ether	1634-04-4	0	U		0.000101	0.00100
Naphthalene	91-20-3	0	U		0.00100	0.00500
n-Propylbenzene	103-65-1	0	U		0.0000993	0.00100
Styrene	100-42-5	0	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	630-20-6	0	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	79-34-5	0	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	76-13-1	0	U		0.000180	0.00100
Tetrachloroethene	127-18-4	5.74	0.000349	J	0.000300	0.00100
Toluene	108-88-3	0	U		0.000278	0.00100
1,2,3-Trichlorobenzene	87-61-6	0	U		0.000230	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.000481	0.00100
1,1,1-Trichloroethane	71-55-6	0	U		0.000149	0.00100
1,1,2-Trichloroethane	79-00-5	0	U		0.000158	0.00100
Trichloroethene	79-01-6	0	U		0.000190	0.00100
Trichlorofluoromethane	75-69-4	0	U		0.000160	0.00500
1,2,3-Trichloropropane	96-18-4	0	U		0.000237	0.00250
1,2,4-Trimethylbenzene	95-63-6	0	U		0.000322	0.00100
1,2,3-Trimethylbenzene	526-73-8	0	U		0.000104	0.00100
1,3,5-Trimethylbenzene	108-67-8	0	U		0.000104	0.00100
Vinyl chloride	75-01-4	0	U		0.000234	0.00100
Xylenes, Total	1330-20-7	0	U		0.000174	0.00300

SAMPLE RESULT SUMMARY

ORGANIC ANALYSIS DATA SHEET

Lab Sample ID: L1212188-04
Client Sample ID: TF-5-W-200422
Lab File ID: 0427_52
Instrument ID: VOCMS16
Analytical Batch: WG1467094
Dilution Factor: 1
Analytical Method: 8260C
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/22/20 14:22
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/28/20 04:40
Analysis Date/Time: 04/28/20 04:40
Prep Method: 8260C
Sample Vol Used: 5 mL
Initial Wt/Vol: _____
Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Acetone	67-64-1	3.14	U		0.0113	0.0500
Acrolein	107-02-8	0	U	JO	0.00254	0.0500
Acrylonitrile	107-13-1	0	U		0.000671	0.0100
Benzene	71-43-2	0	U		0.0000941	0.00100
Bromobenzene	108-86-1	0	U		0.000118	0.00100
Bromodichloromethane	75-27-4	0	U		0.000136	0.00100
Bromoform	75-25-2	0	U		0.000129	0.00100
Bromomethane	74-83-9	0	U		0.000605	0.00500
n-Butylbenzene	104-51-8	0	U		0.000157	0.00100
sec-Butylbenzene	135-98-8	0	U		0.000125	0.00100
tert-Butylbenzene	98-06-6	0	U		0.000127	0.00100
Carbon tetrachloride	56-23-5	0	U		0.000128	0.00100
Chlorobenzene	108-90-7	0	U		0.000116	0.00100
Chlorodibromomethane	124-48-1	0	U		0.000140	0.00100
Chloroethane	75-00-3	0	U		0.000192	0.00500
Chloroform	67-66-3	0	U		0.000111	0.00500
Chloromethane	74-87-3	0	U		0.000960	0.00250
2-Chlorotoluene	95-49-8	0	U		0.000106	0.00100
4-Chlorotoluene	106-43-4	0	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	96-12-8	0	U		0.000276	0.00500
1,2-Dibromoethane	106-93-4	0	U		0.000126	0.00100
Dibromomethane	74-95-3	0	U		0.000122	0.00100
1,2-Dichlorobenzene	95-50-1	0	U		0.000107	0.00100
1,3-Dichlorobenzene	541-73-1	0	U		0.000110	0.00100
1,4-Dichlorobenzene	106-46-7	0	U		0.000120	0.00100
Dichlorodifluoromethane	75-71-8	0	U		0.000374	0.00500
1,1-Dichloroethane	75-34-3	0	U		0.000100	0.00100
1,2-Dichloroethane	107-06-2	0	U		0.0000819	0.00100
1,1-Dichloroethene	75-35-4	0	U		0.000188	0.00100
cis-1,2-Dichloroethene	156-59-2	0	U		0.000126	0.00100
trans-1,2-Dichloroethene	156-60-5	0	U		0.000149	0.00100
1,2-Dichloropropane	78-87-5	0	U		0.000149	0.00100
1,1-Dichloropropene	563-58-6	0	U		0.000142	0.00100
1,3-Dichloropropane	142-28-9	0	U		0.000110	0.00100
cis-1,3-Dichloropropene	10061-01-5	0	U		0.000111	0.00100
trans-1,3-Dichloropropene	10061-02-6	0	U		0.000118	0.00100
2,2-Dichloropropane	594-20-7	0	U		0.000161	0.00100
Di-isopropyl ether	108-20-3	0	U		0.000105	0.00100
Ethylbenzene	100-41-4	0	U		0.000137	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.000337	0.00100
Isopropylbenzene	98-82-8	0	U		0.000105	0.00100
p-Isopropyltoluene	99-87-6	0	U		0.000120	0.00100
2-Butanone (MEK)	78-93-3	0	U		0.00119	0.0100

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-04	SDG:	L1212188
Client Sample ID:	TF-5-W-200422	Collected Date/Time:	04/22/20 14:22
Lab File ID:	0427_52	Received Date/Time:	04/24/20 08:15
Instrument ID:	VOCMS16	Preparation Date/Time:	04/28/20 04:40
Analytical Batch:	WG1467094	Analysis Date/Time:	04/28/20 04:40
Dilution Factor:	1	Prep Method:	8260C
Analytical Method:	8260C	Sample Vol Used:	5 mL
Matrix:	GW	Initial Wt/Vol:	
Total Solids (%):		Final Wt/Vol:	5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Methylene Chloride	75-09-2	0	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	108-10-1	0	U		0.000478	0.0100
Methyl tert-butyl ether	1634-04-4	0	U		0.000101	0.00100
Naphthalene	91-20-3	0	U		0.00100	0.00500
n-Propylbenzene	103-65-1	0	U		0.0000993	0.00100
Styrene	100-42-5	0	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	630-20-6	0	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	79-34-5	0	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	76-13-1	0	U		0.000180	0.00100
Tetrachloroethene	127-18-4	0	U		0.000300	0.00100
Toluene	108-88-3	0	U		0.000278	0.00100
1,2,3-Trichlorobenzene	87-61-6	0	U		0.000230	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.000481	0.00100
1,1,1-Trichloroethane	71-55-6	0	U		0.000149	0.00100
1,1,2-Trichloroethane	79-00-5	0	U		0.000158	0.00100
Trichloroethene	79-01-6	0	U		0.000190	0.00100
Trichlorofluoromethane	75-69-4	0	U		0.000160	0.00500
1,2,3-Trichloropropane	96-18-4	0	U		0.000237	0.00250
1,2,4-Trimethylbenzene	95-63-6	0	U		0.000322	0.00100
1,2,3-Trimethylbenzene	526-73-8	0	U		0.000104	0.00100
1,3,5-Trimethylbenzene	108-67-8	0	U		0.000104	0.00100
Vinyl chloride	75-01-4	0	U		0.000234	0.00100
Xylenes, Total	1330-20-7	0	U		0.000174	0.00300



1A-OR

SAMPLE RESULT SUMMARY

ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:

DB-8A-W-200423

Lab Sample ID: L1212188-05
Client Sample ID: DB-8A-W-200423
Lab File ID: 0427_53
Instrument ID: VOCMS16
Analytical Batch: WG1467094
Dilution Factor: 1
Analytical Method: 8260C
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 15:36
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/28/20 05:01
Analysis Date/Time: 04/28/20 05:01
Prep Method: 8260C
Sample Vol Used: 5 mL
Initial Wt/Vol: _____
Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result mg/l	Qualifier	MDL mg/l	RDL mg/l
Acetone	67-64-1	3.14	U		0.0113	0.0500
Acrolein	107-02-8	0	U	J0	0.00254	0.0500
Acrylonitrile	107-13-1	0	U		0.000671	0.0100
Benzene	71-43-2	0	U		0.0000941	0.00100
Bromobenzene	108-86-1	0	U		0.000118	0.00100
Bromodichloromethane	75-27-4	0	U		0.000136	0.00100
Bromoform	75-25-2	0	U		0.000129	0.00100
Bromomethane	74-83-9	0	U		0.000605	0.00500
n-Butylbenzene	104-51-8	0	U		0.000157	0.00100
sec-Butylbenzene	135-98-8	0	U		0.000125	0.00100
tert-Butylbenzene	98-06-6	0	U		0.000127	0.00100
Carbon tetrachloride	56-23-5	0	U		0.000128	0.00100
Chlorobenzene	108-90-7	0	U		0.000116	0.00100
Chlorodibromomethane	124-48-1	0	U		0.000140	0.00100
Chloroethane	75-00-3	0	U		0.000192	0.00500
Chloroform	67-66-3	3.99	0.000211	B-J	0.000111	0.00500 UB
Chloromethane	74-87-3	0	U		0.000960	0.00250
2-Chlorotoluene	95-49-8	0	U		0.000106	0.00100
4-Chlorotoluene	106-43-4	0	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	96-12-8	0	U		0.000276	0.00500
1,2-Dibromoethane	106-93-4	0	U		0.000126	0.00100
Dibromomethane	74-95-3	0	U		0.000122	0.00100
1,2-Dichlorobenzene	95-50-1	0	U		0.000107	0.00100
1,3-Dichlorobenzene	541-73-1	0	U		0.000110	0.00100
1,4-Dichlorobenzene	106-46-7	0	U		0.000120	0.00100
Dichlorodifluoromethane	75-71-8	0	U		0.000374	0.00500
1,1-Dichloroethane	75-34-3	0	U		0.000100	0.00100
1,2-Dichloroethane	107-06-2	0	U		0.0000819	0.00100
1,1-Dichloroethene	75-35-4	0	U		0.000188	0.00100
cis-1,2-Dichloroethene	156-59-2	3.85	0.000153	J	0.000126	0.00100
trans-1,2-Dichloroethene	156-60-5	0	U		0.000149	0.00100
1,2-Dichloropropane	78-87-5	0	U		0.000149	0.00100
1,1-Dichloropropene	563-58-6	0	U		0.000142	0.00100
1,3-Dichloropropane	142-28-9	0	U		0.000110	0.00100
cis-1,3-Dichloropropene	10061-01-5	0	U		0.000111	0.00100
trans-1,3-Dichloropropene	10061-02-6	0	U		0.000118	0.00100
2,2-Dichloropropane	594-20-7	0	U		0.000161	0.00100
Di-isopropyl ether	108-20-3	0	U		0.000105	0.00100
Ethylbenzene	100-41-4	0	U		0.000137	0.00100
Hexachloro-1,3-butadiene	87-68-3	8.39	0.00248		0.000337	0.00100
Isopropylbenzene	98-82-8	0	U		0.000105	0.00100
p-Isopropyltoluene	99-87-6	0	U		0.000120	0.00100
2-Butanone (MEK)	78-93-3	0	U		0.00119	0.0100

Lab Sample ID:	L1212188-05	SDG:	L1212188
Client Sample ID:	DB-8A-W-200423	Collected Date/Time:	04/23/20 15:36
Lab File ID:	0427_53	Received Date/Time:	04/24/20 08:15
Instrument ID:	VOCMS16	Preparation Date/Time:	04/28/20 05:01
Analytical Batch:	WG1467094	Analysis Date/Time:	04/28/20 05:01
Dilution Factor:	1	Prep Method:	8260C
Analytical Method:	8260C	Sample Vol Used:	5 mL
Matrix:	GW	Initial Wt/Vol:	
Total Solids (%):		Final Wt/Vol:	5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Methylene Chloride	75-09-2	0	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	108-10-1	0	U		0.000478	0.0100
Methyl tert-butyl ether	1634-04-4	0	U		0.000101	0.00100
Naphthalene	91-20-3	0	U		0.00100	0.00500
n-Propylbenzene	103-65-1	0	U		0.0000993	0.00100
Styrene	100-42-5	0	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	630-20-6	0	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	79-34-5	0	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	76-13-1	0	U		0.000180	0.00100
Tetrachloroethene	127-18-4	0	U		0.000300	0.00100
Toluene	108-88-3	0	U		0.000278	0.00100
1,2,3-Trichlorobenzene	87-61-6	0	U		0.000230	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.000481	0.00100
1,1,1-Trichloroethane	71-55-6	0	U		0.000149	0.00100
1,1,2-Trichloroethane	79-00-5	0	U		0.000158	0.00100
Trichloroethene	79-01-6	4.65	0.00215		0.000190	0.00100
Trichlorofluoromethane	75-69-4	0	U		0.000160	0.00500
1,2,3-Trichloropropane	96-18-4	0	U		0.000237	0.00250
1,2,4-Trimethylbenzene	95-63-6	0	U		0.000322	0.00100
1,2,3-Trimethylbenzene	526-73-8	0	U		0.000104	0.00100
1,3,5-Trimethylbenzene	108-67-8	0	U		0.000104	0.00100
Vinyl chloride	75-01-4	0	U		0.000234	0.00100
Xylenes, Total	1330-20-7	0	U		0.000174	0.00300

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
OR-2-W-200423

Lab Sample ID: L1212188-06
Client Sample ID: OR-2-W-200423
Lab File ID: 0427_54
Instrument ID: VOCMS16
Analytical Batch: WG1467094
Dilution Factor: 1
Analytical Method: 8260C
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 14:50
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/28/20 05:21
Analysis Date/Time: 04/28/20 05:21
Prep Method: 8260C
Sample Vol Used: 5 mL
Initial Wt/Vol: _____
Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Acetone	67-64-1	3.14	U		0.0113	0.0500
Acrolein	107-02-8	0	U	J0	0.00254	0.0500
Acrylonitrile	107-13-1	0	U		0.000671	0.0100
Benzene	71-43-2	0	U		0.0000941	0.00100
Bromobenzene	108-86-1	0	U		0.000118	0.00100
Bromodichloromethane	75-27-4	0	U		0.000136	0.00100
Bromoform	75-25-2	0	U		0.000129	0.00100
Bromomethane	74-83-9	0	U		0.000605	0.00500
n-Butylbenzene	104-51-8	0	U		0.000157	0.00100
sec-Butylbenzene	135-98-8	0	U		0.000125	0.00100
tert-Butylbenzene	98-06-6	0	U		0.000127	0.00100
Carbon tetrachloride	56-23-5	0	U		0.000128	0.00100
Chlorobenzene	108-90-7	0	U		0.000116	0.00100
Chlorodibromomethane	124-48-1	0	U		0.000140	0.00100
Chloroethane	75-00-3	0	U		0.000192	0.00500
Chloroform	67-66-3	0	U		0.000111	0.00500
Chloromethane	74-87-3	0	U		0.000960	0.00250
2-Chlorotoluene	95-49-8	0	U		0.000106	0.00100
4-Chlorotoluene	106-43-4	0	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	96-12-8	0	U		0.000276	0.00500
1,2-Dibromoethane	106-93-4	0	U		0.000126	0.00100
Dibromomethane	74-95-3	0	U		0.000122	0.00100
1,2-Dichlorobenzene	95-50-1	0	U		0.000107	0.00100
1,3-Dichlorobenzene	541-73-1	0	U		0.000110	0.00100
1,4-Dichlorobenzene	106-46-7	0	U		0.000120	0.00100
Dichlorodifluoromethane	75-71-8	0	U		0.000374	0.00500
1,1-Dichloroethane	75-34-3	3.56	0.000764	J	0.000100	0.00100
1,2-Dichloroethane	107-06-2	0	U		0.0000819	0.00100
1,1-Dichloroethene	75-35-4	0	U		0.000188	0.00100
cis-1,2-Dichloroethene	156-59-2	3.85	0.000217	J	0.000126	0.00100
trans-1,2-Dichloroethene	156-60-5	0	U		0.000149	0.00100
1,2-Dichloropropane	78-87-5	4.95	0.000847	J	0.000149	0.00100
1,1-Dichloropropene	563-58-6	0	U		0.000142	0.00100
1,3-Dichloropropane	142-28-9	0	U		0.000110	0.00100
cis-1,3-Dichloropropene	10061-01-5	0	U		0.000111	0.00100
trans-1,3-Dichloropropene	10061-02-6	0	U		0.000118	0.00100
2,2-Dichloropropane	594-20-7	0	U		0.000161	0.00100
Di-isopropyl ether	108-20-3	0	U		0.000105	0.00100
Ethylbenzene	100-41-4	0	U		0.000137	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.000337	0.00100
Isopropylbenzene	98-82-8	0	U		0.000105	0.00100
p-Isopropyltoluene	99-87-6	0	U		0.000120	0.00100
2-Butanone (MEK)	78-93-3	0	U		0.00119	0.0100

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID: L1212188-06
Client Sample ID: OR-2-W-200423
Lab File ID: 0427_54
Instrument ID: VOCMS16
Analytical Batch: WG1467094
Dilution Factor: 1
Analytical Method: 8260C
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 14:50
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/28/20 05:21
Analysis Date/Time: 04/28/20 05:21
Prep Method: 8260C
Sample Vol Used: 5 mL
Initial Wt/Vol: _____
Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Methylene Chloride	75-09-2	0	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	108-10-1	0	U		0.000478	0.0100
Methyl tert-butyl ether	1634-04-4	0	U		0.000101	0.00100
Naphthalene	91-20-3	0	U		0.00100	0.00500
n-Propylbenzene	103-65-1	0	U		0.0000993	0.00100
Styrene	100-42-5	0	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	630-20-6	0	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	79-34-5	0	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	76-13-1	0	U		0.000180	0.00100
Tetrachloroethene	127-18-4	0	U		0.000300	0.00100
Toluene	108-88-3	0	U		0.000278	0.00100
1,2,3-Trichlorobenzene	87-61-6	0	U		0.000230	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.000481	0.00100
1,1,1-Trichloroethane	71-55-6	0	U		0.000149	0.00100
1,1,2-Trichloroethane	79-00-5	0	U		0.000158	0.00100
Trichloroethene	79-01-6	4.65	0.000321	J	0.000190	0.00100
Trichlorofluoromethane	75-69-4	0	U		0.000160	0.00500
1,2,3-Trichloropropane	96-18-4	0	U		0.000237	0.00250
1,2,4-Trimethylbenzene	95-63-6	0	U		0.000322	0.00100
1,2,3-Trimethylbenzene	526-73-8	0	U		0.000104	0.00100
1,3,5-Trimethylbenzene	108-67-8	0	U		0.000104	0.00100
Vinyl chloride	75-01-4	0	U		0.000234	0.00100
Xylenes, Total	1330-20-7	0	U		0.000174	0.00300



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SAMPLE RESULT SUMMARY

ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:

OS-2-W-200423

Lab Sample ID: L1212188-07
Client Sample ID: OS-2-W-200423
Lab File ID: 0427_55
Instrument ID: VOCMS16
Analytical Batch: WG1467094
Dilution Factor: 1
Analytical Method: 8260C
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 13:00
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/28/20 05:42
Analysis Date/Time: 04/28/20 05:42
Prep Method: 8260C
Sample Vol Used: 5 mL
Initial Wt/Vol: _____
Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Acetone	67-64-1	3.14	U		0.0113	0.0500
Acrolein	107-02-8	0	U	JO	0.00254	0.0500
Acrylonitrile	107-13-1	0	U		0.000671	0.0100
Benzene	71-43-2	0	U		0.0000941	0.00100
Bromobenzene	108-86-1	0	U		0.000118	0.00100
Bromodichloromethane	75-27-4	0	U		0.000136	0.00100
Bromoform	75-25-2	0	U		0.000129	0.00100
Bromomethane	74-83-9	0	U		0.000605	0.00500
n-Butylbenzene	104-51-8	0	U		0.000157	0.00100
sec-Butylbenzene	135-98-8	0	U		0.000125	0.00100
tert-Butylbenzene	98-06-6	0	U		0.000127	0.00100
Carbon tetrachloride	56-23-5	0	U		0.000128	0.00100
Chlorobenzene	108-90-7	0	U		0.000116	0.00100
Chlorodibromomethane	124-48-1	0	U		0.000140	0.00100
Chloroethane	75-00-3	0	U		0.000192	0.00500
Chloroform	67-66-3	0	U		0.000111	0.00500
Chloromethane	74-87-3	0	U		0.000960	0.00250
2-Chlorotoluene	95-49-8	0	U		0.000106	0.00100
4-Chlorotoluene	106-43-4	0	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	96-12-8	0	U		0.000276	0.00500
1,2-Dibromoethane	106-93-4	0	U		0.000126	0.00100
Dibromomethane	74-95-3	0	U		0.000122	0.00100
1,2-Dichlorobenzene	95-50-1	0	U		0.000107	0.00100
1,3-Dichlorobenzene	541-73-1	0	U		0.000110	0.00100
1,4-Dichlorobenzene	106-46-7	0	U		0.000120	0.00100
Dichlorodifluoromethane	75-71-8	0	U		0.000374	0.00500
1,1-Dichloroethane	75-34-3	0	U		0.000100	0.00100
1,2-Dichloroethane	107-06-2	0	U		0.0000819	0.00100
1,1-Dichloroethene	75-35-4	0	U		0.000188	0.00100
cis-1,2-Dichloroethene	156-59-2	0	U		0.000126	0.00100
trans-1,2-Dichloroethene	156-60-5	0	U		0.000149	0.00100
1,2-Dichloropropane	78-87-5	0	U		0.000149	0.00100
1,1-Dichloropropene	563-58-6	0	U		0.000142	0.00100
1,3-Dichloropropane	142-28-9	0	U		0.000110	0.00100
cis-1,3-Dichloropropene	10061-01-5	0	U		0.000111	0.00100
trans-1,3-Dichloropropene	10061-02-6	0	U		0.000118	0.00100
2,2-Dichloropropane	594-20-7	0	U		0.000161	0.00100
Di-isopropyl ether	108-20-3	0	U		0.000105	0.00100
Ethylbenzene	100-41-4	0	U		0.000137	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.000337	0.00100
Isopropylbenzene	98-82-8	0	U		0.000105	0.00100
p-Isopropyltoluene	99-87-6	0	U		0.000120	0.00100
2-Butanone (MEK)	78-93-3	0	U		0.00119	0.0100

Lab Sample ID:	L1212188-07	SDG:	L1212188
Client Sample ID:	OS-2-W-200423	Collected Date/Time:	04/23/20 13:00
Lab File ID:	0427_55	Received Date/Time:	04/24/20 08:15
Instrument ID:	VOCMS16	Preparation Date/Time:	04/28/20 05:42
Analytical Batch:	WG1467094	Analysis Date/Time:	04/28/20 05:42
Dilution Factor:	1	Prep Method:	8260C
Analytical Method:	8260C	Sample Vol Used:	5 mL
Matrix:	GW	Initial Wt/Vol:	
Total Solids (%):		Final Wt/Vol:	5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Methylene Chloride	75-09-2	0	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	108-10-1	0	U		0.000478	0.0100
Methyl tert-butyl ether	1634-04-4	0	U		0.000101	0.00100
Naphthalene	91-20-3	0	U		0.00100	0.00500
n-Propylbenzene	103-65-1	0	U		0.0000993	0.00100
Styrene	100-42-5	0	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	630-20-6	0	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	79-34-5	0	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	76-13-1	0	U		0.000180	0.00100
Tetrachloroethene	127-18-4	0	U		0.000300	0.00100
Toluene	108-88-3	0	U		0.000278	0.00100
1,2,3-Trichlorobenzene	87-61-6	0	U		0.000230	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.000481	0.00100
1,1,1-Trichloroethane	71-55-6	0	U		0.000149	0.00100
1,1,2-Trichloroethane	79-00-5	0	U		0.000158	0.00100
Trichloroethene	79-01-6	0	U		0.000190	0.00100
Trichlorofluoromethane	75-69-4	0	U		0.000160	0.00500
1,2,3-Trichloropropane	96-18-4	0	U		0.000237	0.00250
1,2,4-Trimethylbenzene	95-63-6	0	U		0.000322	0.00100
1,2,3-Trimethylbenzene	526-73-8	0	U		0.000104	0.00100
1,3,5-Trimethylbenzene	108-67-8	0	U		0.000104	0.00100
Vinyl chloride	75-01-4	0	U		0.000234	0.00100
Xylenes, Total	1330-20-7	0	U		0.000174	0.00300

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
DC-1-W-200423

Lab Sample ID: L1212188-08
Client Sample ID: DC-1-W-200423
Lab File ID: 0427_56
Instrument ID: VOCMS16
Analytical Batch: WG1467094
Dilution Factor: 1
Analytical Method: 8260C
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 15:35
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/28/20 06:02
Analysis Date/Time: 04/28/20 06:02
Prep Method: 8260C
Sample Vol Used: 5 mL
Initial Wt/Vol: _____
Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result mg/l	Qualifier	MDL mg/l	RDL mg/l
Acetone	67-64-1	3.14	U		0.0113	0.0500
Acrolein	107-02-8	0	U	J0	0.00254	0.0500
Acrylonitrile	107-13-1	0	U		0.000671	0.0100
Benzene	71-43-2	0	U		0.0000941	0.00100
Bromobenzene	108-86-1	0	U		0.000118	0.00100
Bromodichloromethane	75-27-4	0	U		0.000136	0.00100
Bromoform	75-25-2	0	U		0.000129	0.00100
Bromomethane	74-83-9	0	U		0.000605	0.00500
n-Butylbenzene	104-51-8	0	U		0.000157	0.00100
sec-Butylbenzene	135-98-8	0	U		0.000125	0.00100
tert-Butylbenzene	98-06-6	0	U		0.000127	0.00100
Carbon tetrachloride	56-23-5	0	U		0.000128	0.00100
Chlorobenzene	108-90-7	0	U		0.000116	0.00100
Chlorodibromomethane	124-48-1	0	U		0.000140	0.00100
Chloroethane	75-00-3	0	U		0.000192	0.00500
Chloroform	67-66-3	3.99	0.000155	B-J	0.000111	0.00500 UB
Chloromethane	74-87-3	0	U		0.000960	0.00250
2-Chlorotoluene	95-49-8	0	U		0.000106	0.00100
4-Chlorotoluene	106-43-4	0	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	96-12-8	0	U		0.000276	0.00500
1,2-Dibromoethane	106-93-4	0	U		0.000126	0.00100
Dibromomethane	74-95-3	0	U		0.000122	0.00100
1,2-Dichlorobenzene	95-50-1	0	U		0.000107	0.00100
1,3-Dichlorobenzene	541-73-1	0	U		0.000110	0.00100
1,4-Dichlorobenzene	106-46-7	0	U		0.000120	0.00100
Dichlorodifluoromethane	75-71-8	0	U		0.000374	0.00500
1,1-Dichloroethane	75-34-3	3.55	U		0.000100	0.00100
1,2-Dichloroethane	107-06-2	0	U		0.0000819	0.00100
1,1-Dichloroethene	75-35-4	0	U		0.000188	0.00100
cis-1,2-Dichloroethene	156-59-2	3.85	0.00253		0.000126	0.00100
trans-1,2-Dichloroethene	156-60-5	0	U		0.000149	0.00100
1,2-Dichloropropane	78-87-5	0	U		0.000149	0.00100
1,1-Dichloropropene	563-58-6	0	U		0.000142	0.00100
1,3-Dichloropropane	142-28-9	0	U		0.000110	0.00100
cis-1,3-Dichloropropene	10061-01-5	0	U		0.000111	0.00100
trans-1,3-Dichloropropene	10061-02-6	0	U		0.000118	0.00100
2,2-Dichloropropane	594-20-7	0	U		0.000161	0.00100
Di-isopropyl ether	108-20-3	0	U		0.000105	0.00100
Ethylbenzene	100-41-4	0	U		0.000137	0.00100
Hexachloro-1,3-butadiene	87-68-3	8.39	0.000488	J	0.000337	0.00100
Isopropylbenzene	98-82-8	0	U		0.000105	0.00100
p-Isopropyltoluene	99-87-6	0	U		0.000120	0.00100
2-Butanone (MEK)	78-93-3	0	U		0.00119	0.0100

Lab Sample ID:	L1212188-08	SDG:	L1212188
Client Sample ID:	DC-1-W-200423	Collected Date/Time:	04/23/20 15:35
Lab File ID:	0427_56	Received Date/Time:	04/24/20 08:15
Instrument ID:	VOCMS16	Preparation Date/Time:	04/28/20 06:02
Analytical Batch:	WG1467094	Analysis Date/Time:	04/28/20 06:02
Dilution Factor:	1	Prep Method:	8260C
Analytical Method:	8260C	Sample Vol Used:	5 mL
Matrix:	GW	Initial Wt/Vol:	
Total Solids (%):		Final Wt/Vol:	5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Methylene Chloride	75-09-2	0	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	108-10-1	0	U		0.000478	0.0100
Methyl tert-butyl ether	1634-04-4	0	U		0.000101	0.00100
Naphthalene	91-20-3	0	U		0.00100	0.00500
n-Propylbenzene	103-65-1	0	U		0.0000993	0.00100
Styrene	100-42-5	0	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	630-20-6	0	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	79-34-5	0	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	76-13-1	0	U		0.000180	0.00100
Tetrachloroethene	127-18-4	5.74	U		0.000300	0.00100
Toluene	108-88-3	0	U		0.000278	0.00100
1,2,3-Trichlorobenzene	87-61-6	0	U		0.000230	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.000481	0.00100
1,1,1-Trichloroethane	71-55-6	4.13	U		0.000149	0.00100
1,1,2-Trichloroethane	79-00-5	0	U		0.000158	0.00100
Trichloroethene	79-01-6	4.64	0.00511		0.000190	0.00100
Trichlorofluoromethane	75-69-4	0	U		0.000160	0.00500
1,2,3-Trichloropropane	96-18-4	0	U		0.000237	0.00250
1,2,4-Trimethylbenzene	95-63-6	0	U		0.000322	0.00100
1,2,3-Trimethylbenzene	526-73-8	0	U		0.000104	0.00100
1,3,5-Trimethylbenzene	108-67-8	0	U		0.000104	0.00100
Vinyl chloride	75-01-4	0	U		0.000234	0.00100
Xylenes, Total	1330-20-7	0	U		0.000174	0.00300

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
DC-2-W-200423

Lab Sample ID: L1212188-09
Client Sample ID: DC-2-W-200423
Lab File ID: 0427_57
Instrument ID: VOCMS16
Analytical Batch: WG1467094
Dilution Factor: 1
Analytical Method: 8260C
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 09:52
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/28/20 06:22
Analysis Date/Time: 04/28/20 06:22
Prep Method: 8260C
Sample Vol Used: 5 mL
Initial Wt/Vol: _____
Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Acetone	67-64-1	3.14	U		0.0113	0.0500
Acrolein	107-02-8	0	U	JO	0.00254	0.0500
Acrylonitrile	107-13-1	0	U		0.000671	0.0100
Benzene	71-43-2	0	U		0.0000941	0.00100
Bromobenzene	108-86-1	0	U		0.000118	0.00100
Bromodichloromethane	75-27-4	0	U		0.000136	0.00100
Bromoform	75-25-2	0	U		0.000129	0.00100
Bromomethane	74-83-9	0	U		0.000605	0.00500
n-Butylbenzene	104-51-8	0	U		0.000157	0.00100
sec-Butylbenzene	135-98-8	0	U		0.000125	0.00100
tert-Butylbenzene	98-06-6	0	U		0.000127	0.00100
Carbon tetrachloride	56-23-5	0	U		0.000128	0.00100
Chlorobenzene	108-90-7	0	U		0.000116	0.00100
Chlorodibromomethane	124-48-1	0	U		0.000140	0.00100
Chloroethane	75-00-3	0	U		0.000192	0.00500
Chloroform	67-66-3	0	U		0.000111	0.00500
Chloromethane	74-87-3	0	U		0.000960	0.00250
2-Chlorotoluene	95-49-8	0	U		0.000106	0.00100
4-Chlorotoluene	106-43-4	0	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	96-12-8	0	U		0.000276	0.00500
1,2-Dibromoethane	106-93-4	0	U		0.000126	0.00100
Dibromomethane	74-95-3	0	U		0.000122	0.00100
1,2-Dichlorobenzene	95-50-1	0	U		0.000107	0.00100
1,3-Dichlorobenzene	541-73-1	0	U		0.000110	0.00100
1,4-Dichlorobenzene	106-46-7	0	U		0.000120	0.00100
Dichlorodifluoromethane	75-71-8	0	U		0.000374	0.00500
1,1-Dichloroethane	75-34-3	0	U		0.000100	0.00100
1,2-Dichloroethane	107-06-2	0	U		0.0000819	0.00100
1,1-Dichloroethene	75-35-4	0	U		0.000188	0.00100
cis-1,2-Dichloroethene	156-59-2	0	U		0.000126	0.00100
trans-1,2-Dichloroethene	156-60-5	0	U		0.000149	0.00100
1,2-Dichloropropane	78-87-5	0	U		0.000149	0.00100
1,1-Dichloropropene	563-58-6	0	U		0.000142	0.00100
1,3-Dichloropropane	142-28-9	0	U		0.000110	0.00100
cis-1,3-Dichloropropene	10061-01-5	0	U		0.000111	0.00100
trans-1,3-Dichloropropene	10061-02-6	0	U		0.000118	0.00100
2,2-Dichloropropane	594-20-7	0	U		0.000161	0.00100
Di-isopropyl ether	108-20-3	0	U		0.000105	0.00100
Ethylbenzene	100-41-4	0	U		0.000137	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.000337	0.00100
Isopropylbenzene	98-82-8	0	U		0.000105	0.00100
p-Isopropyltoluene	99-87-6	0	U		0.000120	0.00100
2-Butanone (MEK)	78-93-3	0	U		0.00119	0.0100

Lab Sample ID:	L1212188-09	SDG:	L1212188
Client Sample ID:	DC-2-W-200423	Collected Date/Time:	04/23/20 09:52
Lab File ID:	0427_57	Received Date/Time:	04/24/20 08:15
Instrument ID:	VOCMS16	Preparation Date/Time:	04/28/20 06:22
Analytical Batch:	WG1467094	Analysis Date/Time:	04/28/20 06:22
Dilution Factor:	1	Prep Method:	8260C
Analytical Method:	8260C	Sample Vol Used:	5 mL
Matrix:	GW	Initial Wt/Vol:	
Total Solids (%):		Final Wt/Vol:	5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Methylene Chloride	75-09-2	0	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	108-10-1	0	U		0.000478	0.0100
Methyl tert-butyl ether	1634-04-4	0	U		0.000101	0.00100
Naphthalene	91-20-3	0	U		0.00100	0.00500
n-Propylbenzene	103-65-1	0	U		0.0000993	0.00100
Styrene	100-42-5	0	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	630-20-6	0	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	79-34-5	0	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	76-13-1	0	U		0.000180	0.00100
Tetrachloroethene	127-18-4	0	U		0.000300	0.00100
Toluene	108-88-3	0	U		0.000278	0.00100
1,2,3-Trichlorobenzene	87-61-6	0	U		0.000230	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.000481	0.00100
1,1,1-Trichloroethane	71-55-6	4.12	U		0.000149	0.00100
1,1,2-Trichloroethane	79-00-5	0	U		0.000158	0.00100
Trichloroethene	79-01-6	4.64	0.000227	J	0.000190	0.00100
Trichlorofluoromethane	75-69-4	0	U		0.000160	0.00500
1,2,3-Trichloropropane	96-18-4	0	U		0.000237	0.00250
1,2,4-Trimethylbenzene	95-63-6	0	U		0.000322	0.00100
1,2,3-Trimethylbenzene	526-73-8	0	U		0.000104	0.00100
1,3,5-Trimethylbenzene	108-67-8	0	U		0.000104	0.00100
Vinyl chloride	75-01-4	0	U		0.000234	0.00100
Xylenes, Total	1330-20-7	0	U		0.000174	0.00300



1A-OR

SAMPLE RESULT SUMMARY

ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:

TF-23-W-200422

Lab Sample ID: L1212188-10
Client Sample ID: TF-23-W-200422
Lab File ID: 0427_58
Instrument ID: VOCMS16
Analytical Batch: WG1467094
Dilution Factor: 1
Analytical Method: 8260C
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/22/20 14:15
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/28/20 06:43
Analysis Date/Time: 04/28/20 06:43
Prep Method: 8260C
Sample Vol Used: 5 mL
Initial Wt/Vol: _____
Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Acetone	67-64-1	3.14	U		0.0113	0.0500
Acrolein	107-02-8	0	U	JO	0.00254	0.0500
Acrylonitrile	107-13-1	0	U		0.000671	0.0100
Benzene	71-43-2	0	U		0.0000941	0.00100
Bromobenzene	108-86-1	0	U		0.000118	0.00100
Bromodichloromethane	75-27-4	0	U		0.000136	0.00100
Bromoform	75-25-2	0	U		0.000129	0.00100
Bromomethane	74-83-9	0	U		0.000605	0.00500
n-Butylbenzene	104-51-8	0	U		0.000157	0.00100
sec-Butylbenzene	135-98-8	0	U		0.000125	0.00100
tert-Butylbenzene	98-06-6	0	U		0.000127	0.00100
Carbon tetrachloride	56-23-5	0	U		0.000128	0.00100
Chlorobenzene	108-90-7	0	U		0.000116	0.00100
Chlorodibromomethane	124-48-1	0	U		0.000140	0.00100
Chloroethane	75-00-3	0	U		0.000192	0.00500
Chloroform	67-66-3	0	U		0.000111	0.00500
Chloromethane	74-87-3	0	U		0.000960	0.00250
2-Chlorotoluene	95-49-8	0	U		0.000106	0.00100
4-Chlorotoluene	106-43-4	0	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	96-12-8	0	U		0.000276	0.00500
1,2-Dibromoethane	106-93-4	0	U		0.000126	0.00100
Dibromomethane	74-95-3	0	U		0.000122	0.00100
1,2-Dichlorobenzene	95-50-1	0	U		0.000107	0.00100
1,3-Dichlorobenzene	541-73-1	0	U		0.000110	0.00100
1,4-Dichlorobenzene	106-46-7	0	U		0.000120	0.00100
Dichlorodifluoromethane	75-71-8	0	U		0.000374	0.00500
1,1-Dichloroethane	75-34-3	0	U		0.000100	0.00100
1,2-Dichloroethane	107-06-2	0	U		0.0000819	0.00100
1,1-Dichloroethene	75-35-4	0	U		0.000188	0.00100
cis-1,2-Dichloroethene	156-59-2	0	U		0.000126	0.00100
trans-1,2-Dichloroethene	156-60-5	0	U		0.000149	0.00100
1,2-Dichloropropane	78-87-5	0	U		0.000149	0.00100
1,1-Dichloropropene	563-58-6	0	U		0.000142	0.00100
1,3-Dichloropropane	142-28-9	0	U		0.000110	0.00100
cis-1,3-Dichloropropene	10061-01-5	0	U		0.000111	0.00100
trans-1,3-Dichloropropene	10061-02-6	0	U		0.000118	0.00100
2,2-Dichloropropane	594-20-7	0	U		0.000161	0.00100
Di-isopropyl ether	108-20-3	0	U		0.000105	0.00100
Ethylbenzene	100-41-4	0	U		0.000137	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.000337	0.00100
Isopropylbenzene	98-82-8	0	U		0.000105	0.00100
p-Isopropyltoluene	99-87-6	0	U		0.000120	0.00100
2-Butanone (MEK)	78-93-3	0	U		0.00119	0.0100

Lab Sample ID:	L1212188-10	SDG:	L1212188
Client Sample ID:	TF-23-W-200422	Collected Date/Time:	04/22/20 14:15
Lab File ID:	0427_58	Received Date/Time:	04/24/20 08:15
Instrument ID:	VOCMS16	Preparation Date/Time:	04/28/20 06:43
Analytical Batch:	WG1467094	Analysis Date/Time:	04/28/20 06:43
Dilution Factor:	1	Prep Method:	8260C
Analytical Method:	8260C	Sample Vol Used:	5 mL
Matrix:	GW	Initial Wt/Vol:	
Total Solids (%):		Final Wt/Vol:	5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Methylene Chloride	75-09-2	0	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	108-10-1	0	U		0.000478	0.0100
Methyl tert-butyl ether	1634-04-4	0	U		0.000101	0.00100
Naphthalene	91-20-3	0	U		0.00100	0.00500
n-Propylbenzene	103-65-1	0	U		0.0000993	0.00100
Styrene	100-42-5	0	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	630-20-6	0	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	79-34-5	0	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	76-13-1	0	U		0.000180	0.00100
Tetrachloroethene	127-18-4	0	U		0.000300	0.00100
Toluene	108-88-3	0	U		0.000278	0.00100
1,2,3-Trichlorobenzene	87-61-6	0	U		0.000230	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.000481	0.00100
1,1,1-Trichloroethane	71-55-6	0	U		0.000149	0.00100
1,1,2-Trichloroethane	79-00-5	0	U		0.000158	0.00100
Trichloroethene	79-01-6	0	U		0.000190	0.00100
Trichlorofluoromethane	75-69-4	0	U		0.000160	0.00500
1,2,3-Trichloropropane	96-18-4	0	U		0.000237	0.00250
1,2,4-Trimethylbenzene	95-63-6	0	U		0.000322	0.00100
1,2,3-Trimethylbenzene	526-73-8	0	U		0.000104	0.00100
1,3,5-Trimethylbenzene	108-67-8	0	U		0.000104	0.00100
Vinyl chloride	75-01-4	0	U		0.000234	0.00100
Xylenes, Total	1330-20-7	0	U		0.000174	0.00300

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
EB-1-W-200422

Lab Sample ID: L1212188-11
Client Sample ID: EB-1-W-200422
Lab File ID: 0427_35
Instrument ID: VOCMS16
Analytical Batch: WG1467094
Dilution Factor: 1
Analytical Method: 8260C
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/22/20 13:30
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/27/20 22:53
Analysis Date/Time: 04/27/20 22:53
Prep Method: 8260C
Sample Vol Used: 5 mL
Initial Wt/Vol: _____
Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result mg/l	Qualifier	MDL mg/l	RDL mg/l
Acetone	67-64-1	3.14	0.0117	J	0.0113	0.0500
Acrolein	107-02-8	0	U	J0	0.00254	0.0500
Acrylonitrile	107-13-1	0	U		0.000671	0.0100
Benzene	71-43-2	0	U		0.0000941	0.00100
Bromobenzene	108-86-1	0	U		0.000118	0.00100
Bromodichloromethane	75-27-4	0	U		0.000136	0.00100
Bromoform	75-25-2	0	U		0.000129	0.00100
Bromomethane	74-83-9	0	U		0.000605	0.00500
n-Butylbenzene	104-51-8	0	U		0.000157	0.00100
sec-Butylbenzene	135-98-8	0	U		0.000125	0.00100
tert-Butylbenzene	98-06-6	0	U		0.000127	0.00100
Carbon tetrachloride	56-23-5	0	U		0.000128	0.00100
Chlorobenzene	108-90-7	0	U		0.000116	0.00100
Chlorodibromomethane	124-48-1	0	U		0.000140	0.00100
Chloroethane	75-00-3	0	U		0.000192	0.00500
Chloroform	67-66-3	3.99	U		0.000111	0.00500
Chloromethane	74-87-3	0	U		0.000960	0.00250
2-Chlorotoluene	95-49-8	0	U		0.000106	0.00100
4-Chlorotoluene	106-43-4	0	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	96-12-8	0	U		0.000276	0.00500
1,2-Dibromoethane	106-93-4	0	U		0.000126	0.00100
Dibromomethane	74-95-3	0	U		0.000122	0.00100
1,2-Dichlorobenzene	95-50-1	0	U		0.000107	0.00100
1,3-Dichlorobenzene	541-73-1	0	U		0.000110	0.00100
1,4-Dichlorobenzene	106-46-7	0	U		0.000120	0.00100
Dichlorodifluoromethane	75-71-8	0	U		0.000374	0.00500
1,1-Dichloroethane	75-34-3	0	U		0.000100	0.00100
1,2-Dichloroethane	107-06-2	0	U		0.0000819	0.00100
1,1-Dichloroethene	75-35-4	0	U		0.000188	0.00100
cis-1,2-Dichloroethene	156-59-2	0	U		0.000126	0.00100
trans-1,2-Dichloroethene	156-60-5	0	U		0.000149	0.00100
1,2-Dichloropropane	78-87-5	0	U		0.000149	0.00100
1,1-Dichloropropene	563-58-6	0	U		0.000142	0.00100
1,3-Dichloropropane	142-28-9	0	U		0.000110	0.00100
cis-1,3-Dichloropropene	10061-01-5	0	U		0.000111	0.00100
trans-1,3-Dichloropropene	10061-02-6	0	U		0.000118	0.00100
2,2-Dichloropropane	594-20-7	0	U		0.000161	0.00100
Di-isopropyl ether	108-20-3	0	U		0.000105	0.00100
Ethylbenzene	100-41-4	0	U		0.000137	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.000337	0.00100
Isopropylbenzene	98-82-8	0	U		0.000105	0.00100
p-Isopropyltoluene	99-87-6	0	U		0.000120	0.00100
2-Butanone (MEK)	78-93-3	4.15	0.0130		0.00119	0.0100

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
EB-1-W-200422

Lab Sample ID: L1212188-11
Client Sample ID: EB-1-W-200422
Lab File ID: 0427_35
Instrument ID: VOCMS16
Analytical Batch: WG1467094
Dilution Factor: 1
Analytical Method: 8260C
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/22/20 13:30
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/27/20 22:53
Analysis Date/Time: 04/27/20 22:53
Prep Method: 8260C
Sample Vol Used: 5 mL
Initial Wt/Vol: _____
Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Methylene Chloride	75-09-2	0	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	108-10-1	0	U		0.000478	0.0100
Methyl tert-butyl ether	1634-04-4	0	U		0.000101	0.00100
Naphthalene	91-20-3	0	U		0.00100	0.00500
n-Propylbenzene	103-65-1	0	U		0.0000993	0.00100
Styrene	100-42-5	0	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	630-20-6	0	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	79-34-5	0	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	76-13-1	0	U		0.000180	0.00100
Tetrachloroethene	127-18-4	0	U		0.000300	0.00100
Toluene	108-88-3	0	U		0.000278	0.00100
1,2,3-Trichlorobenzene	87-61-6	0	U		0.000230	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.000481	0.00100
1,1,1-Trichloroethane	71-55-6	0	U		0.000149	0.00100
1,1,2-Trichloroethane	79-00-5	0	U		0.000158	0.00100
Trichloroethene	79-01-6	0	U		0.000190	0.00100
Trichlorofluoromethane	75-69-4	0	U		0.000160	0.00500
1,2,3-Trichloropropane	96-18-4	0	U		0.000237	0.00250
1,2,4-Trimethylbenzene	95-63-6	0	U		0.000322	0.00100
1,2,3-Trimethylbenzene	526-73-8	0	U		0.000104	0.00100
1,3,5-Trimethylbenzene	108-67-8	0	U		0.000104	0.00100
Vinyl chloride	75-01-4	0	U		0.000234	0.00100
Xylenes, Total	1330-20-7	0	U		0.000174	0.00300

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
EB-2-W-200423

Lab Sample ID: L1212188-12
Client Sample ID: EB-2-W-200423
Lab File ID: 0427_36
Instrument ID: VOCMS16
Analytical Batch: WG1467094
Dilution Factor: 1
Analytical Method: 8260C
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 16:15
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/27/20 23:13
Analysis Date/Time: 04/27/20 23:13
Prep Method: 8260C
Sample Vol Used: 5 mL
Initial Wt/Vol: _____
Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Acetone	67-64-1	3.14	U		0.0113	0.0500
Acrolein	107-02-8	0	U	J0	0.00254	0.0500
Acrylonitrile	107-13-1	0	U		0.000671	0.0100
Benzene	71-43-2	0	U		0.0000941	0.00100
Bromobenzene	108-86-1	0	U		0.000118	0.00100
Bromodichloromethane	75-27-4	0	U		0.000136	0.00100
Bromoform	75-25-2	0	U		0.000129	0.00100
Bromomethane	74-83-9	0	U		0.000605	0.00500
n-Butylbenzene	104-51-8	0	U		0.000157	0.00100
sec-Butylbenzene	135-98-8	0	U		0.000125	0.00100
tert-Butylbenzene	98-06-6	0	U		0.000127	0.00100
Carbon tetrachloride	56-23-5	0	U		0.000128	0.00100
Chlorobenzene	108-90-7	0	U		0.000116	0.00100
Chlorodibromomethane	124-48-1	0	U		0.000140	0.00100
Chloroethane	75-00-3	0	U		0.000192	0.00500
Chloroform	67-66-3	3.99	U		0.000111	0.00500
Chloromethane	74-87-3	0	U		0.000960	0.00250
2-Chlorotoluene	95-49-8	0	U		0.000106	0.00100
4-Chlorotoluene	106-43-4	0	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	96-12-8	0	U		0.000276	0.00500
1,2-Dibromoethane	106-93-4	0	U		0.000126	0.00100
Dibromomethane	74-95-3	0	U		0.000122	0.00100
1,2-Dichlorobenzene	95-50-1	0	U		0.000107	0.00100
1,3-Dichlorobenzene	541-73-1	0	U		0.000110	0.00100
1,4-Dichlorobenzene	106-46-7	0	U		0.000120	0.00100
Dichlorodifluoromethane	75-71-8	0	U		0.000374	0.00500
1,1-Dichloroethane	75-34-3	0	U		0.000100	0.00100
1,2-Dichloroethane	107-06-2	0	U		0.0000819	0.00100
1,1-Dichloroethene	75-35-4	0	U		0.000188	0.00100
cis-1,2-Dichloroethene	156-59-2	0	U		0.000126	0.00100
trans-1,2-Dichloroethene	156-60-5	0	U		0.000149	0.00100
1,2-Dichloropropane	78-87-5	0	U		0.000149	0.00100
1,1-Dichloropropene	563-58-6	0	U		0.000142	0.00100
1,3-Dichloropropane	142-28-9	0	U		0.000110	0.00100
cis-1,3-Dichloropropene	10061-01-5	0	U		0.000111	0.00100
trans-1,3-Dichloropropene	10061-02-6	0	U		0.000118	0.00100
2,2-Dichloropropane	594-20-7	0	U		0.000161	0.00100
Di-isopropyl ether	108-20-3	0	U		0.000105	0.00100
Ethylbenzene	100-41-4	0	U		0.000137	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.000337	0.00100
Isopropylbenzene	98-82-8	0	U		0.000105	0.00100
p-Isopropyltoluene	99-87-6	0	U		0.000120	0.00100
2-Butanone (MEK)	78-93-3	0	U		0.00119	0.0100

Lab Sample ID:	L1212188-12	SDG:	L1212188
Client Sample ID:	EB-2-W-200423	Collected Date/Time:	04/23/20 16:15
Lab File ID:	0427_36	Received Date/Time:	04/24/20 08:15
Instrument ID:	VOCMS16	Preparation Date/Time:	04/27/20 23:13
Analytical Batch:	WG1467094	Analysis Date/Time:	04/27/20 23:13
Dilution Factor:	1	Prep Method:	8260C
Analytical Method:	8260C	Sample Vol Used:	5 mL
Matrix:	GW	Initial Wt/Vol:	
Total Solids (%):		Final Wt/Vol:	5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Methylene Chloride	75-09-2	0	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	108-10-1	0	U		0.000478	0.0100
Methyl tert-butyl ether	1634-04-4	0	U		0.000101	0.00100
Naphthalene	91-20-3	0	U		0.00100	0.00500
n-Propylbenzene	103-65-1	0	U		0.0000993	0.00100
Styrene	100-42-5	0	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	630-20-6	0	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	79-34-5	0	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	76-13-1	0	U		0.000180	0.00100
Tetrachloroethene	127-18-4	0	U		0.000300	0.00100
Toluene	108-88-3	5.49	U		0.000278	0.00100
1,2,3-Trichlorobenzene	87-61-6	0	U		0.000230	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.000481	0.00100
1,1,1-Trichloroethane	71-55-6	0	U		0.000149	0.00100
1,1,2-Trichloroethane	79-00-5	0	U		0.000158	0.00100
Trichloroethene	79-01-6	0	U		0.000190	0.00100
Trichlorofluoromethane	75-69-4	0	U		0.000160	0.00500
1,2,3-Trichloropropane	96-18-4	0	U		0.000237	0.00250
1,2,4-Trimethylbenzene	95-63-6	0	U		0.000322	0.00100
1,2,3-Trimethylbenzene	526-73-8	0	U		0.000104	0.00100
1,3,5-Trimethylbenzene	108-67-8	0	U		0.000104	0.00100
Vinyl chloride	75-01-4	0	U		0.000234	0.00100
Xylenes, Total	1330-20-7	0	U		0.000174	0.00300



1A-OR

SAMPLE RESULT SUMMARY

ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:

BD-1-W-200423

Lab Sample ID: L1212188-13
Client Sample ID: BD-1-W-200423
Lab File ID: 0428_42
Instrument ID: VOCMS16
Analytical Batch: WG1467719
Dilution Factor: 1
Analytical Method: 8260C
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 00:00
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/29/20 00:27
Analysis Date/Time: 04/29/20 00:27
Prep Method: 8260C
Sample Vol Used: 5 mL
Initial Wt/Vol: _____
Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Acetone	67-64-1	3.14	U		0.0113	0.0500
Acrolein	107-02-8	0	U		0.00254	0.0500
Acrylonitrile	107-13-1	0	U		0.000671	0.0100
Benzene	71-43-2	0	U		0.0000941	0.00100
Bromobenzene	108-86-1	0	U		0.000118	0.00100
Bromodichloromethane	75-27-4	0	U		0.000136	0.00100
Bromoform	75-25-2	0	U		0.000129	0.00100
Bromomethane	74-83-9	0	U		0.000605	0.00500
n-Butylbenzene	104-51-8	0	U		0.000157	0.00100
sec-Butylbenzene	135-98-8	0	U		0.000125	0.00100
tert-Butylbenzene	98-06-6	0	U		0.000127	0.00100
Carbon tetrachloride	56-23-5	0	U		0.000128	0.00100
Chlorobenzene	108-90-7	0	U		0.000116	0.00100
Chlorodibromomethane	124-48-1	0	U		0.000140	0.00100
Chloroethane	75-00-3	0	U		0.000192	0.00500
Chloroform	67-66-3	0	U		0.000111	0.00500
Chloromethane	74-87-3	0	U		0.000960	0.00250
2-Chlorotoluene	95-49-8	0	U		0.000106	0.00100
4-Chlorotoluene	106-43-4	0	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	96-12-8	0	U		0.000276	0.00500
1,2-Dibromoethane	106-93-4	0	U		0.000126	0.00100
Dibromomethane	74-95-3	0	U		0.000122	0.00100
1,2-Dichlorobenzene	95-50-1	0	U		0.000107	0.00100
1,3-Dichlorobenzene	541-73-1	0	U		0.000110	0.00100
1,4-Dichlorobenzene	106-46-7	0	U		0.000120	0.00100
Dichlorodifluoromethane	75-71-8	0	U		0.000374	0.00500
1,1-Dichloroethane	75-34-3	0	U		0.000100	0.00100
1,2-Dichloroethane	107-06-2	0	U		0.0000819	0.00100
1,1-Dichloroethene	75-35-4	0	U		0.000188	0.00100
cis-1,2-Dichloroethene	156-59-2	0	U		0.000126	0.00100
trans-1,2-Dichloroethene	156-60-5	0	U		0.000149	0.00100
1,2-Dichloropropane	78-87-5	0	U		0.000149	0.00100
1,1-Dichloropropene	563-58-6	0	U		0.000142	0.00100
1,3-Dichloropropane	142-28-9	0	U		0.000110	0.00100
cis-1,3-Dichloropropene	10061-01-5	0	U		0.000111	0.00100
trans-1,3-Dichloropropene	10061-02-6	0	U		0.000118	0.00100
2,2-Dichloropropane	594-20-7	0	U		0.000161	0.00100
Di-isopropyl ether	108-20-3	0	U		0.000105	0.00100
Ethylbenzene	100-41-4	0	U		0.000137	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.000337	0.00100
Isopropylbenzene	98-82-8	0	U		0.000105	0.00100
p-Isopropyltoluene	99-87-6	0	U		0.000120	0.00100
2-Butanone (MEK)	78-93-3	0	U		0.00119	0.0100

Lab Sample ID:	L1212188-13	SDG:	L1212188
Client Sample ID:	BD-1-W-200423	Collected Date/Time:	04/23/20 00:00
Lab File ID:	0428_42	Received Date/Time:	04/24/20 08:15
Instrument ID:	VOCMS16	Preparation Date/Time:	04/29/20 00:27
Analytical Batch:	WG1467719	Analysis Date/Time:	04/29/20 00:27
Dilution Factor:	1	Prep Method:	8260C
Analytical Method:	8260C	Sample Vol Used:	5 mL
Matrix:	GW	Initial Wt/Vol:	
Total Solids (%):		Final Wt/Vol:	5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Methylene Chloride	75-09-2	0	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	108-10-1	0	U		0.000478	0.0100
Methyl tert-butyl ether	1634-04-4	0	U		0.000101	0.00100
Naphthalene	91-20-3	0	U		0.00100	0.00500
n-Propylbenzene	103-65-1	0	U		0.0000993	0.00100
Styrene	100-42-5	0	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	630-20-6	0	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	79-34-5	0	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	76-13-1	0	U		0.000180	0.00100
Tetrachloroethene	127-18-4	0	U		0.000300	0.00100
Toluene	108-88-3	0	U		0.000278	0.00100
1,2,3-Trichlorobenzene	87-61-6	0	U		0.000230	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.000481	0.00100
1,1,1-Trichloroethane	71-55-6	0	U		0.000149	0.00100
1,1,2-Trichloroethane	79-00-5	0	U		0.000158	0.00100
Trichloroethene	79-01-6	0	U		0.000190	0.00100
Trichlorofluoromethane	75-69-4	0	U		0.000160	0.00500
1,2,3-Trichloropropane	96-18-4	0	U		0.000237	0.00250
1,2,4-Trimethylbenzene	95-63-6	0	U		0.000322	0.00100
1,2,3-Trimethylbenzene	526-73-8	0	U		0.000104	0.00100
1,3,5-Trimethylbenzene	108-67-8	0	U		0.000104	0.00100
Vinyl chloride	75-01-4	0	U		0.000234	0.00100
Xylenes, Total	1330-20-7	0	U		0.000174	0.00300



1A-OR

SAMPLE RESULT SUMMARY

ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:

TRIP BLANK-200423

Lab Sample ID: L1212188-14
Client Sample ID: TRIP BLANK-200423
Lab File ID: 0428_34
Instrument ID: VOCMS16
Analytical Batch: WG1467719
Dilution Factor: 1
Analytical Method: 8260C
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 00:00
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/28/20 21:44
Analysis Date/Time: 04/28/20 21:44
Prep Method: 8260C
Sample Vol Used: 5 mL
Initial Wt/Vol: _____
Final Wt/Vol: 5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Acetone	67-64-1	3.14	U		0.0113	0.0500
Acrolein	107-02-8	0	U		0.00254	0.0500
Acrylonitrile	107-13-1	0	U		0.000671	0.0100
Benzene	71-43-2	0	U		0.0000941	0.00100
Bromobenzene	108-86-1	0	U		0.000118	0.00100
Bromodichloromethane	75-27-4	0	U		0.000136	0.00100
Bromoform	75-25-2	0	U		0.000129	0.00100
Bromomethane	74-83-9	0	U		0.000605	0.00500
n-Butylbenzene	104-51-8	0	U		0.000157	0.00100
sec-Butylbenzene	135-98-8	0	U		0.000125	0.00100
tert-Butylbenzene	98-06-6	0	U		0.000127	0.00100
Carbon tetrachloride	56-23-5	0	U		0.000128	0.00100
Chlorobenzene	108-90-7	0	U		0.000116	0.00100
Chlorodibromomethane	124-48-1	0	U		0.000140	0.00100
Chloroethane	75-00-3	0	U		0.000192	0.00500
Chloroform	67-66-3	0	U		0.000111	0.00500
Chloromethane	74-87-3	0	U		0.000960	0.00250
2-Chlorotoluene	95-49-8	0	U		0.000106	0.00100
4-Chlorotoluene	106-43-4	0	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	96-12-8	0	U		0.000276	0.00500
1,2-Dibromoethane	106-93-4	0	U		0.000126	0.00100
Dibromomethane	74-95-3	0	U		0.000122	0.00100
1,2-Dichlorobenzene	95-50-1	0	U		0.000107	0.00100
1,3-Dichlorobenzene	541-73-1	0	U		0.000110	0.00100
1,4-Dichlorobenzene	106-46-7	0	U		0.000120	0.00100
Dichlorodifluoromethane	75-71-8	0	U		0.000374	0.00500
1,1-Dichloroethane	75-34-3	0	U		0.000100	0.00100
1,2-Dichloroethane	107-06-2	0	U		0.0000819	0.00100
1,1-Dichloroethene	75-35-4	0	U		0.000188	0.00100
cis-1,2-Dichloroethene	156-59-2	3.85	U		0.000126	0.00100
trans-1,2-Dichloroethene	156-60-5	0	U		0.000149	0.00100
1,2-Dichloropropane	78-87-5	0	U		0.000149	0.00100
1,1-Dichloropropene	563-58-6	0	U		0.000142	0.00100
1,3-Dichloropropane	142-28-9	0	U		0.000110	0.00100
cis-1,3-Dichloropropene	10061-01-5	0	U		0.000111	0.00100
trans-1,3-Dichloropropene	10061-02-6	0	U		0.000118	0.00100
2,2-Dichloropropane	594-20-7	0	U		0.000161	0.00100
Di-isopropyl ether	108-20-3	0	U		0.000105	0.00100
Ethylbenzene	100-41-4	0	U		0.000137	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.000337	0.00100
Isopropylbenzene	98-82-8	0	U		0.000105	0.00100
p-Isopropyltoluene	99-87-6	0	U		0.000120	0.00100
2-Butanone (MEK)	78-93-3	0	U		0.00119	0.0100

Lab Sample ID:

L1212188-14

Client Sample ID:

TRIP BLANK-200423

Lab File ID:

0428_34

Instrument ID:

VOCMS16

Analytical Batch:

WG1467719

Dilution Factor:

1

Analytical Method:

8260C

Matrix:

GW

Total Solids (%):

SDG:

L1212188

Collected Date/Time:

04/23/20 00:00

Received Date/Time:

04/24/20 08:15

Preparation Date/Time:

04/28/20 21:44

Analysis Date/Time:

04/28/20 21:44

Prep Method:

8260C

Sample Vol Used:

5 mL

Initial Wt/Vol:

Final Wt/Vol:

5 mL

Analyte	CAS	RT	Result	Qualifier	MDL	RDL
			mg/l		mg/l	mg/l
Methylene Chloride	75-09-2	0	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	108-10-1	0	U		0.000478	0.0100
Methyl tert-butyl ether	1634-04-4	0	U		0.000101	0.00100
Naphthalene	91-20-3	0	U		0.00100	0.00500
n-Propylbenzene	103-65-1	0	U		0.0000993	0.00100
Styrene	100-42-5	0	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	630-20-6	0	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	79-34-5	0	U		0.000133	0.00100
1,1,2-Trichlorotrifluoroethane	76-13-1	0	U		0.000180	0.00100
Tetrachloroethene	127-18-4	5.74	U		0.000300	0.00100
Toluene	108-88-3	0	U		0.000278	0.00100
1,2,3-Trichlorobenzene	87-61-6	0	U		0.000230	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.000481	0.00100
1,1,1-Trichloroethane	71-55-6	0	U		0.000149	0.00100
1,1,2-Trichloroethane	79-00-5	0	U		0.000158	0.00100
Trichloroethene	79-01-6	0	U		0.000190	0.00100
Trichlorofluoromethane	75-69-4	0	U		0.000160	0.00500
1,2,3-Trichloropropane	96-18-4	0	U		0.000237	0.00250
1,2,4-Trimethylbenzene	95-63-6	0	U		0.000322	0.00100
1,2,3-Trimethylbenzene	526-73-8	0	U		0.000104	0.00100
1,3,5-Trimethylbenzene	108-67-8	0	U		0.000104	0.00100
Vinyl chloride	75-01-4	0	U		0.000234	0.00100
Xylenes, Total	1330-20-7	0	U		0.000174	0.00300

Analytical Method: 8270D

SDG: L1212188

Matrix: GW

Sample ID	Lab Sample ID	Instrument	File ID	DMC-1	DMC-2	DMC-3	DMC-4	DMC-5	DMC-6	TOT Out
				% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.	
OR-3-W-200423	L1212188-01	BNAMS24	0430_13	28.8	15.8	46.0	60.4	65.4	62.2	0
OS-3-W-200423	L1212188-02	BNAMS24	0430_16	34.1	19.7	53.5	70.0	78.6	76.6	0
DB-17-W-200423	L1212188-03	BNAMS24	0430_17	31.7	18.0	46.5	60.6	65.0	65.3	0
TF-5-W-200422	L1212188-04	BNAMS24	0428A_09	28.2	18.1	40.2	54.8	59.4	58.5	0
DB-8A-W-200423	L1212188-05	BNAMS24	0430_18	20.1	11.1	37.0	48.2	55.5	65.2	0
OR-2-W-200423	L1212188-06	BNAMS24	0430_19	31.2	17.6	49.2	65.9	70.3	70.9	0
OS-2-W-200423	L1212188-07	BNAMS24	0430_20	33.4	18.5	52.9	69.8	75.5	73.4	0
DC-1-W-200423	L1212188-08	BNAMS24	0430_21	30.3	16.8	48.2	65.5	70.3	66.8	0
DC-2-W-200423	L1212188-09	BNAMS24	0430_22	30.7	16.9	49.2	65.3	69.5	67.9	0
TF-23-W-200422	L1212188-10	BNAMS24	0428A_10	25.2	15.5	34.5	47.9	49.2	55.6	0
EB-1-W-200422	L1212188-11	BNAMS24	0428A_11	30.9	19.2	42.0	56.2	61.0	61.2	0
EB-2-W-200423	L1212188-12	BNAMS24	0430_23	31.7	17.6	48.6	63.7	67.9	69.2	0
BD-1-W-200423	L1212188-13	BNAMS24	0430_24	29.9	16.6	47.1	62.4	66.3	64.8	0
MS	R3523622-3	BNAMS24	0430_14	32.3	18.2	42.7	67.5	77.5	71.2	0
MSD	R3523622-4	BNAMS24	0430_15	33.3	19.0	43.8	68.2	81.9	71.8	0
MS	R3522876-1	BNAMS26	0428A_27	34.7	22.7	50.7	62.3	59.5	43.3	0
MSD	R3522876-2	BNAMS26	0428A_28	32.4	21.3	46.9	55.2	55.5	43.9	0
BLANK	R3522869-2	BNAMS24	0428A_07	26.3	16.8	40.0	52.1	48.6	55.9	0
BLANK	R3523622-2	BNAMS24	0430_07	33.5	18.5	50.6	67.0	70.5	68.6	0
LCS	R3522869-1	BNAMS24	0428A_06	33.4	20.8	35.6	60.5	65.0	57.7	0
LCS	R3523622-1	BNAMS24	0430_06	33.5	18.4	44.9	66.5	78.0	73.0	0

Parm Abbreviation	Parameter	QC LIMITS
DMC-1	2-Fluorophenol	10.0 - 120
DMC-2	Phenol-d5	10.0 - 120
DMC-3	Nitrobenzene-d5	10.0 - 127
DMC-4	2-Fluorobiphenyl	10.0 - 130
DMC-5	2,4,6-Tribromophenol	10.0 - 155
DMC-6	p-Terphenyl-d14	10.0 - 128

*: Value outside the established quality control limits.

D: Surrogate recovery cannot be used for control limit evaluation due to dilution.

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
OR-3-W-200423

Lab Sample ID: L1212188-01
Client Sample ID: OR-3-W-200423
Lab File ID: 0430_13
Instrument ID: BNAMS24
Analytical Batch: WG1467496
Dilution Factor: 1
Analytical Method: 8270D
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 14:42
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/29/20 23:28
Analysis Date/Time: 04/30/20 07:35
Prep Method: 3510C
Sample Vol Used: _____
Initial Wt/Vol: 110 mL
Final Wt/Vol: 0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Acenaphthene	83-32-9	0	U		0.0000886	0.00100
Acenaphthylene	208-96-8	0	U		0.0000921	0.00100
Anthracene	120-12-7	0	U		0.0000804	0.00100
Benzidine	92-87-5	0	U		0.00374	0.0100
Benzo(a)anthracene	56-55-3	0	U		0.000199	0.00100
Benzo(b)fluoranthene	205-99-2	0	U		0.000130	0.00100
Benzo(k)fluoranthene	207-08-9	0	U		0.000120	0.00100
Benzo(g,h,i)perylene	191-24-2	0	U		0.000121	0.00100
Benzo(a)pyrene	50-32-8	0	U		0.0000381	0.000200
Bis(2-chlorethoxy)methane	111-91-1	0	U		0.000116	0.0100
Bis(2-chloroethyl)ether	111-44-4	0	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	108-60-1	0	U		0.000210	0.0100
4-Bromophenyl-phenylether	101-55-3	0	U		0.0000877	0.0100
2-Chloronaphthalene	91-58-7	0	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	7005-72-3	0	U		0.0000926	0.0100
Chrysene	218-01-9	0	U		0.000130	0.00100
Dibenz(a,h)anthracene	53-70-3	0	U		0.0000644	0.000200
1,2-Dichlorobenzene	95-50-1	0	U		0.0000713	0.0100
1,3-Dichlorobenzene	541-73-1	0	U		0.000132	0.0100
1,4-Dichlorobenzene	106-46-7	0	U		0.0000942	0.0100
3,3-Dichlorobenzidine	91-94-1	0	U		0.000212	0.0100
2,4-Dinitrotoluene	121-14-2	0	U		0.0000983	0.0100
2,6-Dinitrotoluene	606-20-2	0	U		0.000250	0.0100
Fluoranthene	206-44-0	0	U		0.000102	0.00100
Fluorene	86-73-7	0	U		0.0000844	0.00100
Hexachlorobenzene	118-74-1	0	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.0000968	0.0100
Hexachlorocyclopentadiene	77-47-4	0	U		0.0000598	0.0100
Hexachloroethane	67-72-1	0	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.000279	0.00100
Isophorone	78-59-1	0	U		0.000143	0.0100
Naphthalene	91-20-3	0	U		0.000159	0.00100
Nitrobenzene	98-95-3	0	U		0.000297	0.0100
n-Nitrosodimethylamine	62-75-9	0	U	JO	0.000998	0.0500
n-Nitrosodiphenylamine	86-30-6	0	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	621-64-7	0	U		0.000261	0.0100
Phenanthrene	85-01-8	0	U		0.000112	0.00100
Benzylbutyl phthalate	85-68-7	0	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	117-81-7	0	U		0.000895	0.00300
Di-n-butyl phthalate	84-74-2	0	U		0.000453	0.00300
Diethyl phthalate	84-66-2	0	U		0.000287	0.00300
Dimethyl phthalate	131-11-3	0	U		0.000260	0.00300
Di-n-octyl phthalate	117-84-0	0	U		0.000932	0.00300

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-01	SDG:	L1212188
Client Sample ID:	OR-3-W-200423	Collected Date/Time:	04/23/20 14:42
Lab File ID:	0430_13	Received Date/Time:	04/24/20 08:15
Instrument ID:	BNAMS24	Preparation Date/Time:	04/29/20 23:28
Analytical Batch:	WG1467496	Analysis Date/Time:	04/30/20 07:35
Dilution Factor:	1	Prep Method:	3510C
Analytical Method:	8270D	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	110 mL
Total Solids (%):		Final Wt/Vol:	0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Pyrene	129-00-0	0	U		0.000107	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.0000698	0.0100
4-Chloro-3-methylphenol	59-50-7	0	U		0.000131	0.0100
2-Chlorophenol	95-57-8	0	U		0.000133	0.0100
2,4-Dichlorophenol	120-83-2	0	U		0.000102	0.0100
2,4-Dimethylphenol	105-67-9	0	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	534-52-1	0	U		0.00112	0.0100
2,4-Dinitrophenol	51-28-5	0	U		0.00593	0.0100
2-Nitrophenol	88-75-5	0	U		0.000117	0.0100
4-Nitrophenol	100-02-7	0	U		0.000143	0.0100
Pentachlorophenol	87-86-5	0	U		0.000313	0.0100
Phenol	108-95-2	0	U		0.00433	0.0100
2,4,6-Trichlorophenol	88-06-2	0	U		0.000100	0.0100

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
OS-3-W-200423

Lab Sample ID: L1212188-02
Client Sample ID: OS-3-W-200423
Lab File ID: 0430_16
Instrument ID: BNAMS24
Analytical Batch: WG1467496
Dilution Factor: 1
Analytical Method: 8270D
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 12:53
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/29/20 23:28
Analysis Date/Time: 04/30/20 08:37
Prep Method: 3510C
Sample Vol Used: _____
Initial Wt/Vol: 110 mL
Final Wt/Vol: 0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Acenaphthene	83-32-9	0	U		0.0000886	0.00100
Acenaphthylene	208-96-8	0	U		0.0000921	0.00100
Anthracene	120-12-7	0	U		0.0000804	0.00100
Benzidine	92-87-5	0	U		0.00374	0.0100
Benzo(a)anthracene	56-55-3	0	U		0.000199	0.00100
Benzo(b)fluoranthene	205-99-2	0	U		0.000130	0.00100
Benzo(k)fluoranthene	207-08-9	0	U		0.000120	0.00100
Benzo(g,h,i)perylene	191-24-2	0	U		0.000121	0.00100
Benzo(a)pyrene	50-32-8	0	U		0.0000381	0.000200
Bis(2-chlorethoxy)methane	111-91-1	0	U		0.000116	0.0100
Bis(2-chloroethyl)ether	111-44-4	0	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	108-60-1	0	U		0.000210	0.0100
4-Bromophenyl-phenylether	101-55-3	0	U		0.0000877	0.0100
2-Chloronaphthalene	91-58-7	0	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	7005-72-3	0	U		0.0000926	0.0100
Chrysene	218-01-9	0	U		0.000130	0.00100
Dibenz(a,h)anthracene	53-70-3	0	U		0.0000644	0.000200
1,2-Dichlorobenzene	95-50-1	0	U		0.0000713	0.0100
1,3-Dichlorobenzene	541-73-1	0	U		0.000132	0.0100
1,4-Dichlorobenzene	106-46-7	0	U		0.0000942	0.0100
3,3-Dichlorobenzidine	91-94-1	0	U		0.000212	0.0100
2,4-Dinitrotoluene	121-14-2	0	U		0.0000983	0.0100
2,6-Dinitrotoluene	606-20-2	0	U		0.000250	0.0100
Fluoranthene	206-44-0	0	U		0.000102	0.00100
Fluorene	86-73-7	0	U		0.0000844	0.00100
Hexachlorobenzene	118-74-1	0	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.0000968	0.0100
Hexachlorocyclopentadiene	77-47-4	0	U		0.0000598	0.0100
Hexachloroethane	67-72-1	0	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.000279	0.00100
Isophorone	78-59-1	0	U		0.000143	0.0100
Naphthalene	91-20-3	0	U		0.000159	0.00100
Nitrobenzene	98-95-3	0	U		0.000297	0.0100
n-Nitrosodimethylamine	62-75-9	0	U	JO	0.000998	0.0500
n-Nitrosodiphenylamine	86-30-6	0	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	621-64-7	0	U		0.000261	0.0100
Phenanthrene	85-01-8	0	U		0.000112	0.00100
Benzylbutyl phthalate	85-68-7	0	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	117-81-7	0	U		0.000895	0.00300
Di-n-butyl phthalate	84-74-2	0	U		0.000453	0.00300
Diethyl phthalate	84-66-2	0	U		0.000287	0.00300
Dimethyl phthalate	131-11-3	0	U		0.000260	0.00300
Di-n-octyl phthalate	117-84-0	0	U		0.000932	0.00300

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-02	SDG:	L1212188
Client Sample ID:	OS-3-W-200423	Collected Date/Time:	04/23/20 12:53
Lab File ID:	0430_16	Received Date/Time:	04/24/20 08:15
Instrument ID:	BNAMS24	Preparation Date/Time:	04/29/20 23:28
Analytical Batch:	WG1467496	Analysis Date/Time:	04/30/20 08:37
Dilution Factor:	1	Prep Method:	3510C
Analytical Method:	8270D	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	110 mL
Total Solids (%):		Final Wt/Vol:	0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Pyrene	129-00-0	0	U		0.000107	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.0000698	0.0100
4-Chloro-3-methylphenol	59-50-7	0	U		0.000131	0.0100
2-Chlorophenol	95-57-8	0	U		0.000133	0.0100
2,4-Dichlorophenol	120-83-2	0	U		0.000102	0.0100
2,4-Dimethylphenol	105-67-9	0	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	534-52-1	0	U		0.00112	0.0100
2,4-Dinitrophenol	51-28-5	0	U		0.00593	0.0100
2-Nitrophenol	88-75-5	0	U		0.000117	0.0100
4-Nitrophenol	100-02-7	0	U		0.000143	0.0100
Pentachlorophenol	87-86-5	0	U		0.000313	0.0100
Phenol	108-95-2	0	U		0.00433	0.0100
2,4,6-Trichlorophenol	88-06-2	0	U		0.000100	0.0100



1A-OR

SAMPLE RESULT SUMMARY

ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:

DB-17-W-200423

Lab Sample ID: L1212188-03
Client Sample ID: DB-17-W-200423
Lab File ID: 0430_17
Instrument ID: BNAMS24
Analytical Batch: WG1467496
Dilution Factor: 1
Analytical Method: 8270D
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 10:05
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/29/20 23:28
Analysis Date/Time: 04/30/20 08:57
Prep Method: 3510C
Sample Vol Used: _____
Initial Wt/Vol: 100 mL
Final Wt/Vol: 0.5 mL

Analyte	CAS	RT	Result mg/l	Qualifier	MDL mg/l	RDL mg/l
Acenaphthene	83-32-9	0	U		0.0000886	0.00100
Acenaphthylene	208-96-8	0	U		0.0000921	0.00100
Anthracene	120-12-7	0	U		0.0000804	0.00100
Benzidine	92-87-5	0	U		0.00374	0.0100
Benzo(a)anthracene	56-55-3	0	U		0.000199	0.00100
Benzo(b)fluoranthene	205-99-2	0	U		0.000130	0.00100
Benzo(k)fluoranthene	207-08-9	0	U		0.000120	0.00100
Benzo(g,h,i)perylene	191-24-2	0	U		0.000121	0.00100
Benzo(a)pyrene	50-32-8	0	U		0.0000381	0.000200
Bis(2-chlorethoxy)methane	111-91-1	0	U		0.000116	0.0100
Bis(2-chloroethyl)ether	111-44-4	0	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	108-60-1	0	U		0.000210	0.0100
4-Bromophenyl-phenylether	101-55-3	0	U		0.0000877	0.0100
2-Chloronaphthalene	91-58-7	0	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	7005-72-3	0	U		0.0000926	0.0100
Chrysene	218-01-9	0	U		0.000130	0.00100
Dibenz(a,h)anthracene	53-70-3	0	U		0.0000644	0.000200
1,2-Dichlorobenzene	95-50-1	0	U		0.0000713	0.0100
1,3-Dichlorobenzene	541-73-1	0	U		0.000132	0.0100
1,4-Dichlorobenzene	106-46-7	0	U		0.0000942	0.0100
3,3-Dichlorobenzidine	91-94-1	0	U		0.000212	0.0100
2,4-Dinitrotoluene	121-14-2	0	U		0.0000983	0.0100
2,6-Dinitrotoluene	606-20-2	0	U		0.000250	0.0100
Fluoranthene	206-44-0	0	U		0.000102	0.00100
Fluorene	86-73-7	0	U		0.0000844	0.00100
Hexachlorobenzene	118-74-1	0	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.0000968	0.0100
Hexachlorocyclopentadiene	77-47-4	0	U		0.0000598	0.0100
Hexachloroethane	67-72-1	0	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.000279	0.00100
Isophorone	78-59-1	0	U		0.000143	0.0100
Naphthalene	91-20-3	0	U		0.000159	0.00100
Nitrobenzene	98-95-3	0	U		0.000297	0.0100
n-Nitrosodimethylamine	62-75-9	0	U	JO	0.000998	0.0500
n-Nitrosodiphenylamine	86-30-6	0	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	621-64-7	0	U		0.000261	0.0100
Phenanthrene	85-01-8	0	U		0.000112	0.00100
Benzylbutyl phthalate	85-68-7	0	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	117-81-7	0	U		0.000895	0.00300
Di-n-butyl phthalate	84-74-2	0	U		0.000453	0.00300
Diethyl phthalate	84-66-2	0	U		0.000287	0.00300
Dimethyl phthalate	131-11-3	0	U		0.000260	0.00300
Di-n-octyl phthalate	117-84-0	0	U		0.000932	0.00300

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-03	SDG:	L1212188
Client Sample ID:	DB-17-W-200423	Collected Date/Time:	04/23/20 10:05
Lab File ID:	0430_17	Received Date/Time:	04/24/20 08:15
Instrument ID:	BNAMS24	Preparation Date/Time:	04/29/20 23:28
Analytical Batch:	WG1467496	Analysis Date/Time:	04/30/20 08:57
Dilution Factor:	1	Prep Method:	3510C
Analytical Method:	8270D	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	100 mL
Total Solids (%):		Final Wt/Vol:	0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Pyrene	129-00-0	0	U		0.000107	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.0000698	0.0100
4-Chloro-3-methylphenol	59-50-7	0	U		0.000131	0.0100
2-Chlorophenol	95-57-8	0	U		0.000133	0.0100
2,4-Dichlorophenol	120-83-2	0	U		0.000102	0.0100
2,4-Dimethylphenol	105-67-9	0	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	534-52-1	0	U		0.00112	0.0100
2,4-Dinitrophenol	51-28-5	0	U		0.00593	0.0100
2-Nitrophenol	88-75-5	0	U		0.000117	0.0100
4-Nitrophenol	100-02-7	0	U		0.000143	0.0100
Pentachlorophenol	87-86-5	0	U		0.000313	0.0100
Phenol	108-95-2	0	U		0.00433	0.0100
2,4,6-Trichlorophenol	88-06-2	0	U		0.000100	0.0100

SAMPLE RESULT SUMMARY

ORGANIC ANALYSIS DATA SHEET



Lab Sample ID: L1212188-04
Client Sample ID: TF-5-W-200422
Lab File ID: 0428A_09
Instrument ID: BNAMS24
Analytical Batch: WG1466958
Dilution Factor: 1
Analytical Method: 8270D
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/22/20 14:22
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/28/20 05:54
Analysis Date/Time: 04/28/20 20:14
Prep Method: 3510C
Sample Vol Used: _____
Initial Wt/Vol: 104 mL
Final Wt/Vol: 0.5 mL

Analyte	CAS	RT	Result mg/l	Qualifier	MDL mg/l	RDL mg/l
Acenaphthene	83-32-9	0	U		0.0000886	0.00100
Acenaphthylene	208-96-8	5.16	U		0.0000921	0.00100
Anthracene	120-12-7	6.30	U		0.0000804	0.00100
Benzidine	92-87-5	0	U		0.00374	0.0100
Benzo(a)anthracene	56-55-3	0	U		0.000199	0.00100
Benzo(b)fluoranthene	205-99-2	0	U		0.000130	0.00100
Benzo(k)fluoranthene	207-08-9	0	U		0.000120	0.00100
Benzo(g,h,i)perylene	191-24-2	0	U		0.000121	0.00100
Benzo(a)pyrene	50-32-8	0	U		0.0000381	0.000200
Bis(2-chlorethoxy)methane	111-91-1	0	U		0.000116	0.0100
Bis(2-chloroethyl)ether	111-44-4	0	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	108-60-1	0	U		0.000210	0.0100
4-Bromophenyl-phenylether	101-55-3	0	U		0.0000877	0.0100
2-Chloronaphthalene	91-58-7	0	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	7005-72-3	0	U		0.0000926	0.0100
Chrysene	218-01-9	8.87	U		0.000130	0.00100
Dibenz(a,h)anthracene	53-70-3	0	U		0.0000644	0.000200
1,2-Dichlorobenzene	95-50-1	0	U		0.0000713	0.0100
1,3-Dichlorobenzene	541-73-1	0	U		0.000132	0.0100
1,4-Dichlorobenzene	106-46-7	0	U		0.0000942	0.0100
3,3-Dichlorobenzidine	91-94-1	0	U		0.000212	0.0100
2,4-Dinitrotoluene	121-14-2	0	U		0.0000983	0.0100
2,6-Dinitrotoluene	606-20-2	5.07	U		0.000250	0.0100
Fluoranthene	206-44-0	0	U		0.000102	0.00100
Fluorene	86-73-7	0	U		0.0000844	0.00100
Hexachlorobenzene	118-74-1	0	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.0000968	0.0100
Hexachlorocyclopentadiene	77-47-4	0	U		0.0000598	0.0100
Hexachloroethane	67-72-1	0	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.000279	0.00100
Isophorone	78-59-1	3.87	U		0.000143	0.0100
Naphthalene	91-20-3	4.17	U		0.000159	0.00100
Nitrobenzene	98-95-3	0	U		0.000297	0.0100
n-Nitrosodimethylamine	62-75-9	2.15	U	JO	0.000998	0.0100
n-Nitrosodiphenylamine	86-30-6	0	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	621-64-7	0	U		0.000261	0.0100
Phenanthrene	85-01-8	6.30	U		0.000112	0.00100
Benzylbutyl phthalate	85-68-7	0	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	117-81-7	8.92	U		0.000895	0.00300
Di-n-butyl phthalate	84-74-2	6.63	U		0.000453	0.00300
Diethyl phthalate	84-66-2	5.50	U		0.000287	0.00300
Dimethyl phthalate	131-11-3	0	U		0.000260	0.00300
Di-n-octyl phthalate	117-84-0	10.17	U		0.000932	0.00300

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-04	SDG:	L1212188
Client Sample ID:	TF-5-W-200422	Collected Date/Time:	04/22/20 14:22
Lab File ID:	0428A_09	Received Date/Time:	04/24/20 08:15
Instrument ID:	BNAMS24	Preparation Date/Time:	04/28/20 05:54
Analytical Batch:	WG1466958	Analysis Date/Time:	04/28/20 20:14
Dilution Factor:	1	Prep Method:	3510C
Analytical Method:	8270D	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	104 mL
Total Solids (%):		Final Wt/Vol:	0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Pyrene	129-00-0	0	U		0.000107	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.0000698	0.0100
4-Chloro-3-methylphenol	59-50-7	4.48	U		0.000131	0.0100
2-Chlorophenol	95-57-8	0	U		0.000133	0.0100
2,4-Dichlorophenol	120-83-2	0	U		0.000102	0.0100
2,4-Dimethylphenol	105-67-9	0	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	534-52-1	0	U		0.00112	0.0100
2,4-Dinitrophenol	51-28-5	0	U		0.00593	0.0100
2-Nitrophenol	88-75-5	0	U		0.000117	0.0100
4-Nitrophenol	100-02-7	0	U		0.000143	0.0100
Pentachlorophenol	87-86-5	0	U		0.000313	0.0100
Phenol	108-95-2	3.20	U		0.00433	0.0100
2,4,6-Trichlorophenol	88-06-2	0	U		0.000100	0.0100

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
DB-8A-W-200423

Lab Sample ID: L1212188-05
Client Sample ID: DB-8A-W-200423
Lab File ID: 0430_18
Instrument ID: BNAMS24
Analytical Batch: WG1467496
Dilution Factor: 1
Analytical Method: 8270D
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 15:36
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/29/20 23:28
Analysis Date/Time: 04/30/20 09:17
Prep Method: 3510C
Sample Vol Used: _____
Initial Wt/Vol: 100 mL
Final Wt/Vol: 0.5 mL

Analyte	CAS	RT	Result mg/l	Qualifier	MDL mg/l	RDL mg/l
Acenaphthene	83-32-9	0	U		0.0000886	0.00100
Acenaphthylene	208-96-8	0	U		0.0000921	0.00100
Anthracene	120-12-7	0	U		0.0000804	0.00100
Benzidine	92-87-5	0	U		0.00374	0.0100
Benzo(a)anthracene	56-55-3	0	U		0.000199	0.00100
Benzo(b)fluoranthene	205-99-2	0	U		0.000130	0.00100
Benzo(k)fluoranthene	207-08-9	0	U		0.000120	0.00100
Benzo(g,h,i)perylene	191-24-2	0	U		0.000121	0.00100
Benzo(a)pyrene	50-32-8	0	U		0.0000381	0.000200
Bis(2-chlorethoxy)methane	111-91-1	0	U		0.000116	0.0100
Bis(2-chloroethyl)ether	111-44-4	0	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	108-60-1	0	U		0.000210	0.0100
4-Bromophenyl-phenylether	101-55-3	0	U		0.0000877	0.0100
2-Chloronaphthalene	91-58-7	0	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	7005-72-3	0	U		0.0000926	0.0100
Chrysene	218-01-9	0	U		0.000130	0.00100
Dibenz(a,h)anthracene	53-70-3	0	U		0.0000644	0.000200
1,2-Dichlorobenzene	95-50-1	0	U		0.0000713	0.0100
1,3-Dichlorobenzene	541-73-1	0	U		0.000132	0.0100
1,4-Dichlorobenzene	106-46-7	0	U		0.0000942	0.0100
3,3-Dichlorobenzidine	91-94-1	0	U		0.000212	0.0100
2,4-Dinitrotoluene	121-14-2	0	U		0.0000983	0.0100
2,6-Dinitrotoluene	606-20-2	0	U		0.000250	0.0100
Fluoranthene	206-44-0	0	U		0.000102	0.00100
Fluorene	86-73-7	0	U		0.0000844	0.00100
Hexachlorobenzene	118-74-1	0	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	87-68-3	4.23	0.00120	J	0.0000968	0.0100
Hexachlorocyclopentadiene	77-47-4	0	U		0.0000598	0.0100
Hexachloroethane	67-72-1	0	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.000279	0.00100
Isophorone	78-59-1	0	U		0.000143	0.0100
Naphthalene	91-20-3	0	U		0.000159	0.00100
Nitrobenzene	98-95-3	0	U		0.000297	0.0100
n-Nitrosodimethylamine	62-75-9	0	U	JO	0.000998	0.0500
n-Nitrosodiphenylamine	86-30-6	0	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	621-64-7	0	U		0.000261	0.0100
Phenanthrene	85-01-8	0	U		0.000112	0.00100
Benzylbutyl phthalate	85-68-7	0	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	117-81-7	0	U		0.000895	0.00300
Di-n-butyl phthalate	84-74-2	0	U		0.000453	0.00300
Diethyl phthalate	84-66-2	0	U		0.000287	0.00300
Dimethyl phthalate	131-11-3	0	U		0.000260	0.00300
Di-n-octyl phthalate	117-84-0	0	U		0.000932	0.00300

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-05	SDG:	L1212188
Client Sample ID:	DB-8A-W-200423	Collected Date/Time:	04/23/20 15:36
Lab File ID:	0430_18	Received Date/Time:	04/24/20 08:15
Instrument ID:	BNAMS24	Preparation Date/Time:	04/29/20 23:28
Analytical Batch:	WG1467496	Analysis Date/Time:	04/30/20 09:17
Dilution Factor:	1	Prep Method:	3510C
Analytical Method:	8270D	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	100 mL
Total Solids (%):		Final Wt/Vol:	0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Pyrene	129-00-0	0	U		0.000107	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.0000698	0.0100
4-Chloro-3-methylphenol	59-50-7	0	U		0.000131	0.0100
2-Chlorophenol	95-57-8	0	U		0.000133	0.0100
2,4-Dichlorophenol	120-83-2	0	U		0.000102	0.0100
2,4-Dimethylphenol	105-67-9	0	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	534-52-1	0	U		0.00112	0.0100
2,4-Dinitrophenol	51-28-5	0	U		0.00593	0.0100
2-Nitrophenol	88-75-5	0	U		0.000117	0.0100
4-Nitrophenol	100-02-7	0	U		0.000143	0.0100
Pentachlorophenol	87-86-5	0	U		0.000313	0.0100
Phenol	108-95-2	0	U		0.00433	0.0100
2,4,6-Trichlorophenol	88-06-2	0	U		0.000100	0.0100



1A-OR

SAMPLE RESULT SUMMARY

ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:

OR-2-W-200423

Lab Sample ID: L1212188-06
Client Sample ID: OR-2-W-200423
Lab File ID: 0430_19
Instrument ID: BNAMS24
Analytical Batch: WG1467496
Dilution Factor: 1
Analytical Method: 8270D
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 14:50
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/29/20 23:28
Analysis Date/Time: 04/30/20 09:38
Prep Method: 3510C
Sample Vol Used: _____
Initial Wt/Vol: 110 mL
Final Wt/Vol: 0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Acenaphthene	83-32-9	0	U		0.0000886	0.00100
Acenaphthylene	208-96-8	0	U		0.0000921	0.00100
Anthracene	120-12-7	0	U		0.0000804	0.00100
Benzidine	92-87-5	0	U		0.00374	0.0100
Benzo(a)anthracene	56-55-3	0	U		0.000199	0.00100
Benzo(b)fluoranthene	205-99-2	0	U		0.000130	0.00100
Benzo(k)fluoranthene	207-08-9	0	U		0.000120	0.00100
Benzo(g,h,i)perylene	191-24-2	0	U		0.000121	0.00100
Benzo(a)pyrene	50-32-8	0	U		0.0000381	0.000200
Bis(2-chlorethoxy)methane	111-91-1	0	U		0.000116	0.0100
Bis(2-chloroethyl)ether	111-44-4	0	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	108-60-1	0	U		0.000210	0.0100
4-Bromophenyl-phenylether	101-55-3	0	U		0.0000877	0.0100
2-Chloronaphthalene	91-58-7	0	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	7005-72-3	0	U		0.0000926	0.0100
Chrysene	218-01-9	0	U		0.000130	0.00100
Dibenz(a,h)anthracene	53-70-3	0	U		0.0000644	0.000200
1,2-Dichlorobenzene	95-50-1	0	U		0.0000713	0.0100
1,3-Dichlorobenzene	541-73-1	0	U		0.000132	0.0100
1,4-Dichlorobenzene	106-46-7	0	U		0.0000942	0.0100
3,3-Dichlorobenzidine	91-94-1	0	U		0.000212	0.0100
2,4-Dinitrotoluene	121-14-2	0	U		0.0000983	0.0100
2,6-Dinitrotoluene	606-20-2	0	U		0.000250	0.0100
Fluoranthene	206-44-0	0	U		0.000102	0.00100
Fluorene	86-73-7	0	U		0.0000844	0.00100
Hexachlorobenzene	118-74-1	0	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.0000968	0.0100
Hexachlorocyclopentadiene	77-47-4	0	U		0.0000598	0.0100
Hexachloroethane	67-72-1	0	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.000279	0.00100
Isophorone	78-59-1	0	U		0.000143	0.0100
Naphthalene	91-20-3	0	U		0.000159	0.00100
Nitrobenzene	98-95-3	0	U		0.000297	0.0100
n-Nitrosodimethylamine	62-75-9	0	U	JO	0.000998	0.0500
n-Nitrosodiphenylamine	86-30-6	0	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	621-64-7	0	U		0.000261	0.0100
Phenanthrene	85-01-8	0	U		0.000112	0.00100
Benzylbutyl phthalate	85-68-7	0	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	117-81-7	0	U		0.000895	0.00300
Di-n-butyl phthalate	84-74-2	0	U		0.000453	0.00300
Diethyl phthalate	84-66-2	0	U		0.000287	0.00300
Dimethyl phthalate	131-11-3	0	U		0.000260	0.00300
Di-n-octyl phthalate	117-84-0	0	U		0.000932	0.00300

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-06	SDG:	L1212188
Client Sample ID:	OR-2-W-200423	Collected Date/Time:	04/23/20 14:50
Lab File ID:	0430_19	Received Date/Time:	04/24/20 08:15
Instrument ID:	BNAMS24	Preparation Date/Time:	04/29/20 23:28
Analytical Batch:	WG1467496	Analysis Date/Time:	04/30/20 09:38
Dilution Factor:	1	Prep Method:	3510C
Analytical Method:	8270D	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	110 mL
Total Solids (%):		Final Wt/Vol:	0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Pyrene	129-00-0	0	U		0.000107	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.0000698	0.0100
4-Chloro-3-methylphenol	59-50-7	0	U		0.000131	0.0100
2-Chlorophenol	95-57-8	0	U		0.000133	0.0100
2,4-Dichlorophenol	120-83-2	0	U		0.000102	0.0100
2,4-Dimethylphenol	105-67-9	0	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	534-52-1	0	U		0.00112	0.0100
2,4-Dinitrophenol	51-28-5	0	U		0.00593	0.0100
2-Nitrophenol	88-75-5	0	U		0.000117	0.0100
4-Nitrophenol	100-02-7	0	U		0.000143	0.0100
Pentachlorophenol	87-86-5	0	U		0.000313	0.0100
Phenol	108-95-2	0	U		0.00433	0.0100
2,4,6-Trichlorophenol	88-06-2	0	U		0.000100	0.0100

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
OS-2-W-200423

Lab Sample ID: L1212188-07
Client Sample ID: OS-2-W-200423
Lab File ID: 0430_20
Instrument ID: BNAMS24
Analytical Batch: WG1467496
Dilution Factor: 1
Analytical Method: 8270D
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 13:00
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/29/20 23:28
Analysis Date/Time: 04/30/20 09:59
Prep Method: 3510C
Sample Vol Used: _____
Initial Wt/Vol: 100 mL
Final Wt/Vol: 0.5 mL

Analyte	CAS	RT	Result mg/l	Qualifier	MDL mg/l	RDL mg/l
Acenaphthene	83-32-9	0	U		0.0000886	0.00100
Acenaphthylene	208-96-8	0	U		0.0000921	0.00100
Anthracene	120-12-7	0	U		0.0000804	0.00100
Benzidine	92-87-5	0	U		0.00374	0.0100
Benzo(a)anthracene	56-55-3	0	U		0.000199	0.00100
Benzo(b)fluoranthene	205-99-2	0	U		0.000130	0.00100
Benzo(k)fluoranthene	207-08-9	0	U		0.000120	0.00100
Benzo(g,h,i)perylene	191-24-2	0	U		0.000121	0.00100
Benzo(a)pyrene	50-32-8	0	U		0.0000381	0.000200
Bis(2-chlorethoxy)methane	111-91-1	0	U		0.000116	0.0100
Bis(2-chloroethyl)ether	111-44-4	0	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	108-60-1	0	U		0.000210	0.0100
4-Bromophenyl-phenylether	101-55-3	0	U		0.0000877	0.0100
2-Chloronaphthalene	91-58-7	0	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	7005-72-3	0	U		0.0000926	0.0100
Chrysene	218-01-9	0	U		0.000130	0.00100
Dibenz(a,h)anthracene	53-70-3	0	U		0.0000644	0.000200
1,2-Dichlorobenzene	95-50-1	0	U		0.0000713	0.0100
1,3-Dichlorobenzene	541-73-1	0	U		0.000132	0.0100
1,4-Dichlorobenzene	106-46-7	0	U		0.0000942	0.0100
3,3-Dichlorobenzidine	91-94-1	0	U		0.000212	0.0100
2,4-Dinitrotoluene	121-14-2	0	U		0.0000983	0.0100
2,6-Dinitrotoluene	606-20-2	0	U		0.000250	0.0100
Fluoranthene	206-44-0	0	U		0.000102	0.00100
Fluorene	86-73-7	0	U		0.0000844	0.00100
Hexachlorobenzene	118-74-1	0	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.0000968	0.0100
Hexachlorocyclopentadiene	77-47-4	0	U		0.0000598	0.0100
Hexachloroethane	67-72-1	0	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.000279	0.00100
Isophorone	78-59-1	0	U		0.000143	0.0100
Naphthalene	91-20-3	0	U		0.000159	0.00100
Nitrobenzene	98-95-3	0	U		0.000297	0.0100
n-Nitrosodimethylamine	62-75-9	0	U	JO	0.000998	0.0500
n-Nitrosodiphenylamine	86-30-6	0	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	621-64-7	0	U		0.000261	0.0100
Phenanthrene	85-01-8	0	U		0.000112	0.00100
Benzylbutyl phthalate	85-68-7	0	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	117-81-7	0	U		0.000895	0.00300
Di-n-butyl phthalate	84-74-2	0	U		0.000453	0.00300
Diethyl phthalate	84-66-2	0	U		0.000287	0.00300
Dimethyl phthalate	131-11-3	0	U		0.000260	0.00300
Di-n-octyl phthalate	117-84-0	0	U		0.000932	0.00300

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-07	SDG:	L1212188
Client Sample ID:	OS-2-W-200423	Collected Date/Time:	04/23/20 13:00
Lab File ID:	0430_20	Received Date/Time:	04/24/20 08:15
Instrument ID:	BNAMS24	Preparation Date/Time:	04/29/20 23:28
Analytical Batch:	WG1467496	Analysis Date/Time:	04/30/20 09:59
Dilution Factor:	1	Prep Method:	3510C
Analytical Method:	8270D	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	100 mL
Total Solids (%):		Final Wt/Vol:	0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Pyrene	129-00-0	0	U		0.000107	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.0000698	0.0100
4-Chloro-3-methylphenol	59-50-7	0	U		0.000131	0.0100
2-Chlorophenol	95-57-8	0	U		0.000133	0.0100
2,4-Dichlorophenol	120-83-2	0	U		0.000102	0.0100
2,4-Dimethylphenol	105-67-9	0	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	534-52-1	0	U		0.00112	0.0100
2,4-Dinitrophenol	51-28-5	0	U		0.00593	0.0100
2-Nitrophenol	88-75-5	0	U		0.000117	0.0100
4-Nitrophenol	100-02-7	0	U		0.000143	0.0100
Pentachlorophenol	87-86-5	0	U		0.000313	0.0100
Phenol	108-95-2	0	U		0.00433	0.0100
2,4,6-Trichlorophenol	88-06-2	0	U		0.000100	0.0100

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
DC-1-W-200423

Lab Sample ID: L1212188-08
Client Sample ID: DC-1-W-200423
Lab File ID: 0430_21
Instrument ID: BNAMS24
Analytical Batch: WG1467496
Dilution Factor: 1
Analytical Method: 8270D
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 15:35
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/29/20 23:28
Analysis Date/Time: 04/30/20 10:19
Prep Method: 3510C
Sample Vol Used: _____
Initial Wt/Vol: 110 mL
Final Wt/Vol: 0.5 mL

Analyte	CAS	RT	Result mg/l	Qualifier	MDL mg/l	RDL mg/l
Acenaphthene	83-32-9	0	U		0.0000886	0.00100
Acenaphthylene	208-96-8	0	U		0.0000921	0.00100
Anthracene	120-12-7	0	U		0.0000804	0.00100
Benzidine	92-87-5	0	U		0.00374	0.0100
Benzo(a)anthracene	56-55-3	0	U		0.000199	0.00100
Benzo(b)fluoranthene	205-99-2	0	U		0.000130	0.00100
Benzo(k)fluoranthene	207-08-9	0	U		0.000120	0.00100
Benzo(g,h,i)perylene	191-24-2	0	U		0.000121	0.00100
Benzo(a)pyrene	50-32-8	0	U		0.0000381	0.000200
Bis(2-chlorethoxy)methane	111-91-1	0	U		0.000116	0.0100
Bis(2-chloroethyl)ether	111-44-4	0	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	108-60-1	0	U		0.000210	0.0100
4-Bromophenyl-phenylether	101-55-3	0	U		0.0000877	0.0100
2-Chloronaphthalene	91-58-7	0	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	7005-72-3	0	U		0.0000926	0.0100
Chrysene	218-01-9	0	U		0.000130	0.00100
Dibenz(a,h)anthracene	53-70-3	0	U		0.0000644	0.000200
1,2-Dichlorobenzene	95-50-1	0	U		0.0000713	0.0100
1,3-Dichlorobenzene	541-73-1	0	U		0.000132	0.0100
1,4-Dichlorobenzene	106-46-7	0	U		0.0000942	0.0100
3,3-Dichlorobenzidine	91-94-1	0	U		0.000212	0.0100
2,4-Dinitrotoluene	121-14-2	0	U		0.0000983	0.0100
2,6-Dinitrotoluene	606-20-2	0	U		0.000250	0.0100
Fluoranthene	206-44-0	0	U		0.000102	0.00100
Fluorene	86-73-7	0	U		0.0000844	0.00100
Hexachlorobenzene	118-74-1	0	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	87-68-3	4.23	0.000324	J	0.0000968	0.0100
Hexachlorocyclopentadiene	77-47-4	0	U		0.0000598	0.0100
Hexachloroethane	67-72-1	0	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.000279	0.00100
Isophorone	78-59-1	0	U		0.000143	0.0100
Naphthalene	91-20-3	0	U		0.000159	0.00100
Nitrobenzene	98-95-3	0	U		0.000297	0.0100
n-Nitrosodimethylamine	62-75-9	0	U	JO	0.000998	0.0500
n-Nitrosodiphenylamine	86-30-6	0	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	621-64-7	0	U		0.000261	0.0100
Phenanthrene	85-01-8	0	U		0.000112	0.00100
Benzylbutyl phthalate	85-68-7	0	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	117-81-7	0	U		0.000895	0.00300
Di-n-butyl phthalate	84-74-2	0	U		0.000453	0.00300
Diethyl phthalate	84-66-2	0	U		0.000287	0.00300
Dimethyl phthalate	131-11-3	0	U		0.000260	0.00300
Di-n-octyl phthalate	117-84-0	0	U		0.000932	0.00300

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-08	SDG:	L1212188
Client Sample ID:	DC-1-W-200423	Collected Date/Time:	04/23/20 15:35
Lab File ID:	0430_21	Received Date/Time:	04/24/20 08:15
Instrument ID:	BNAMS24	Preparation Date/Time:	04/29/20 23:28
Analytical Batch:	WG1467496	Analysis Date/Time:	04/30/20 10:19
Dilution Factor:	1	Prep Method:	3510C
Analytical Method:	8270D	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	110 mL
Total Solids (%):		Final Wt/Vol:	0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Pyrene	129-00-0	0	U		0.000107	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.0000698	0.0100
4-Chloro-3-methylphenol	59-50-7	0	U		0.000131	0.0100
2-Chlorophenol	95-57-8	0	U		0.000133	0.0100
2,4-Dichlorophenol	120-83-2	0	U		0.000102	0.0100
2,4-Dimethylphenol	105-67-9	0	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	534-52-1	0	U		0.00112	0.0100
2,4-Dinitrophenol	51-28-5	0	U		0.00593	0.0100
2-Nitrophenol	88-75-5	0	U		0.000117	0.0100
4-Nitrophenol	100-02-7	0	U		0.000143	0.0100
Pentachlorophenol	87-86-5	0	U		0.000313	0.0100
Phenol	108-95-2	0	U		0.00433	0.0100
2,4,6-Trichlorophenol	88-06-2	0	U		0.000100	0.0100



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SAMPLE RESULT SUMMARY

ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:

DC-2-W-200423

Lab Sample ID: L1212188-09
Client Sample ID: DC-2-W-200423
Lab File ID: 0430_22
Instrument ID: BNAMS24
Analytical Batch: WG1467496
Dilution Factor: 1
Analytical Method: 8270D
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 09:52
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/29/20 23:28
Analysis Date/Time: 04/30/20 10:40
Prep Method: 3510C
Sample Vol Used: _____
Initial Wt/Vol: 105 mL
Final Wt/Vol: 0.5 mL

Analyte	CAS	RT	Result mg/l	Qualifier	MDL mg/l	RDL mg/l
Acenaphthene	83-32-9	0	U		0.0000886	0.00100
Acenaphthylene	208-96-8	0	U		0.0000921	0.00100
Anthracene	120-12-7	0	U		0.0000804	0.00100
Benzidine	92-87-5	0	U		0.00374	0.0100
Benzo(a)anthracene	56-55-3	0	U		0.000199	0.00100
Benzo(b)fluoranthene	205-99-2	0	U		0.000130	0.00100
Benzo(k)fluoranthene	207-08-9	0	U		0.000120	0.00100
Benzo(g,h,i)perylene	191-24-2	0	U		0.000121	0.00100
Benzo(a)pyrene	50-32-8	0	U		0.0000381	0.000200
Bis(2-chlorethoxy)methane	111-91-1	0	U		0.000116	0.0100
Bis(2-chloroethyl)ether	111-44-4	0	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	108-60-1	0	U		0.000210	0.0100
4-Bromophenyl-phenylether	101-55-3	0	U		0.0000877	0.0100
2-Chloronaphthalene	91-58-7	0	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	7005-72-3	0	U		0.0000926	0.0100
Chrysene	218-01-9	0	U		0.000130	0.00100
Dibenz(a,h)anthracene	53-70-3	0	U		0.0000644	0.000200
1,2-Dichlorobenzene	95-50-1	0	U		0.0000713	0.0100
1,3-Dichlorobenzene	541-73-1	0	U		0.000132	0.0100
1,4-Dichlorobenzene	106-46-7	0	U		0.0000942	0.0100
3,3-Dichlorobenzidine	91-94-1	0	U		0.000212	0.0100
2,4-Dinitrotoluene	121-14-2	0	U		0.0000983	0.0100
2,6-Dinitrotoluene	606-20-2	0	U		0.000250	0.0100
Fluoranthene	206-44-0	0	U		0.000102	0.00100
Fluorene	86-73-7	0	U		0.0000844	0.00100
Hexachlorobenzene	118-74-1	0	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.0000968	0.0100
Hexachlorocyclopentadiene	77-47-4	0	U		0.0000598	0.0100
Hexachloroethane	67-72-1	0	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.000279	0.00100
Isophorone	78-59-1	0	U		0.000143	0.0100
Naphthalene	91-20-3	0	U		0.000159	0.00100
Nitrobenzene	98-95-3	0	U		0.000297	0.0100
n-Nitrosodimethylamine	62-75-9	0	U	JO	0.000998	0.0500
n-Nitrosodiphenylamine	86-30-6	0	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	621-64-7	0	U		0.000261	0.0100
Phenanthrene	85-01-8	0	U		0.000112	0.00100
Benzylbutyl phthalate	85-68-7	0	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	117-81-7	0	U		0.000895	0.00300
Di-n-butyl phthalate	84-74-2	0	U		0.000453	0.00300
Diethyl phthalate	84-66-2	0	U		0.000287	0.00300
Dimethyl phthalate	131-11-3	0	U		0.000260	0.00300
Di-n-octyl phthalate	117-84-0	0	U		0.000932	0.00300

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID: L1212188-09
Client Sample ID: DC-2-W-200423
Lab File ID: 0430_22
Instrument ID: BNAMS24
Analytical Batch: WG1467496
Dilution Factor: 1
Analytical Method: 8270D
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 09:52
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/29/20 23:28
Analysis Date/Time: 04/30/20 10:40
Prep Method: 3510C
Sample Vol Used: _____
Initial Wt/Vol: 105 mL
Final Wt/Vol: 0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Pyrene	129-00-0	0	U		0.000107	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.0000698	0.0100
4-Chloro-3-methylphenol	59-50-7	0	U		0.000131	0.0100
2-Chlorophenol	95-57-8	0	U		0.000133	0.0100
2,4-Dichlorophenol	120-83-2	0	U		0.000102	0.0100
2,4-Dimethylphenol	105-67-9	0	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	534-52-1	0	U		0.00112	0.0100
2,4-Dinitrophenol	51-28-5	0	U		0.00593	0.0100
2-Nitrophenol	88-75-5	0	U		0.000117	0.0100
4-Nitrophenol	100-02-7	0	U		0.000143	0.0100
Pentachlorophenol	87-86-5	0	U		0.000313	0.0100
Phenol	108-95-2	0	U		0.00433	0.0100
2,4,6-Trichlorophenol	88-06-2	0	U		0.000100	0.0100



1A-OR

SAMPLE RESULT SUMMARY

ORGANIC ANALYSIS DATA SHEET

SAMPLE NO.:

TF-23-W-200422

Lab Sample ID: L1212188-10
Client Sample ID: TF-23-W-200422
Lab File ID: 0428A_10
Instrument ID: BNAMS24
Analytical Batch: WG1466958
Dilution Factor: 1
Analytical Method: 8270D
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/22/20 14:15
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/28/20 05:54
Analysis Date/Time: 04/28/20 20:35
Prep Method: 3510C
Sample Vol Used: _____
Initial Wt/Vol: 110 mL
Final Wt/Vol: 0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Acenaphthene	83-32-9	0	U		0.0000886	0.00100
Acenaphthylene	208-96-8	0	U		0.0000921	0.00100
Anthracene	120-12-7	6.25	U		0.0000804	0.00100
Benzidine	92-87-5	0	U		0.00374	0.0100
Benzo(a)anthracene	56-55-3	0	U		0.000199	0.00100
Benzo(b)fluoranthene	205-99-2	0	U		0.000130	0.00100
Benzo(k)fluoranthene	207-08-9	0	U		0.000120	0.00100
Benzo(g,h,i)perylene	191-24-2	0	U		0.000121	0.00100
Benzo(a)pyrene	50-32-8	0	U		0.0000381	0.000200
Bis(2-chlorethoxy)methane	111-91-1	0	U		0.000116	0.0100
Bis(2-chloroethyl)ether	111-44-4	0	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	108-60-1	0	U		0.000210	0.0100
4-Bromophenyl-phenylether	101-55-3	0	U		0.0000877	0.0100
2-Chloronaphthalene	91-58-7	0	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	7005-72-3	0	U		0.0000926	0.0100
Chrysene	218-01-9	8.87	U		0.000130	0.00100
Dibenz(a,h)anthracene	53-70-3	0	U		0.0000644	0.000200
1,2-Dichlorobenzene	95-50-1	0	U		0.0000713	0.0100
1,3-Dichlorobenzene	541-73-1	0	U		0.000132	0.0100
1,4-Dichlorobenzene	106-46-7	0	U		0.0000942	0.0100
3,3-Dichlorobenzidine	91-94-1	0	U		0.000212	0.0100
2,4-Dinitrotoluene	121-14-2	0	U		0.0000983	0.0100
2,6-Dinitrotoluene	606-20-2	5.07	U		0.000250	0.0100
Fluoranthene	206-44-0	7.19	U		0.000102	0.00100
Fluorene	86-73-7	0	U		0.0000844	0.00100
Hexachlorobenzene	118-74-1	0	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.0000968	0.0100
Hexachlorocyclopentadiene	77-47-4	0	U		0.0000598	0.0100
Hexachloroethane	67-72-1	0	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.000279	0.00100
Isophorone	78-59-1	0	U		0.000143	0.0100
Naphthalene	91-20-3	4.17	U		0.000159	0.00100
Nitrobenzene	98-95-3	0	U		0.000297	0.0100
n-Nitrosodimethylamine	62-75-9	2.14	U	JO	0.000998	0.0100
n-Nitrosodiphenylamine	86-30-6	0	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	621-64-7	0	U		0.000261	0.0100
Phenanthrene	85-01-8	6.25	U		0.000112	0.00100
Benzylbutyl phthalate	85-68-7	0	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	117-81-7	8.92	U		0.000895	0.00300
Di-n-butyl phthalate	84-74-2	6.63	U		0.000453	0.00300
Diethyl phthalate	84-66-2	5.50	U		0.000287	0.00300
Dimethyl phthalate	131-11-3	0	U		0.000260	0.00300
Di-n-octyl phthalate	117-84-0	10.17	U		0.000932	0.00300

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-10	SDG:	L1212188
Client Sample ID:	TF-23-W-200422	Collected Date/Time:	04/22/20 14:15
Lab File ID:	0428A_10	Received Date/Time:	04/24/20 08:15
Instrument ID:	BNAMS24	Preparation Date/Time:	04/28/20 05:54
Analytical Batch:	WG1466958	Analysis Date/Time:	04/28/20 20:35
Dilution Factor:	1	Prep Method:	3510C
Analytical Method:	8270D	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	110 mL
Total Solids (%):		Final Wt/Vol:	0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Pyrene	129-00-0	7.40	U		0.000107	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.0000698	0.0100
4-Chloro-3-methylphenol	59-50-7	0	U		0.000131	0.0100
2-Chlorophenol	95-57-8	0	U		0.000133	0.0100
2,4-Dichlorophenol	120-83-2	0	U		0.000102	0.0100
2,4-Dimethylphenol	105-67-9	0	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	534-52-1	0	U		0.00112	0.0100
2,4-Dinitrophenol	51-28-5	0	U		0.00593	0.0100
2-Nitrophenol	88-75-5	0	U		0.000117	0.0100
4-Nitrophenol	100-02-7	0	U		0.000143	0.0100
Pentachlorophenol	87-86-5	0	U		0.000313	0.0100
Phenol	108-95-2	3.20	U		0.00433	0.0100
2,4,6-Trichlorophenol	88-06-2	0	U		0.000100	0.0100

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
EB-1-W-200422

Lab Sample ID: L1212188-11
Client Sample ID: EB-1-W-200422
Lab File ID: 0428A_11
Instrument ID: BNAMS24
Analytical Batch: WG1466958
Dilution Factor: 1
Analytical Method: 8270D
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/22/20 13:30
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/28/20 05:54
Analysis Date/Time: 04/28/20 20:56
Prep Method: 3510C
Sample Vol Used: _____
Initial Wt/Vol: 100 mL
Final Wt/Vol: 0.5 mL

Analyte	CAS	RT	Result mg/l	Qualifier	MDL mg/l	RDL mg/l
Acenaphthene	83-32-9	0	U		0.0000886	0.00100
Acenaphthylene	208-96-8	0	U		0.0000921	0.00100
Anthracene	120-12-7	6.26	U		0.0000804	0.00100
Benzidine	92-87-5	0	U		0.00374	0.0100
Benzo(a)anthracene	56-55-3	0	U		0.000199	0.00100
Benzo(b)fluoranthene	205-99-2	0	U		0.000130	0.00100
Benzo(k)fluoranthene	207-08-9	0	U		0.000120	0.00100
Benzo(g,h,i)perylene	191-24-2	0	U		0.000121	0.00100
Benzo(a)pyrene	50-32-8	0	U		0.0000381	0.000200
Bis(2-chlorethoxy)methane	111-91-1	0	U		0.000116	0.0100
Bis(2-chloroethyl)ether	111-44-4	0	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	108-60-1	3.55	U		0.000210	0.0100
4-Bromophenyl-phenylether	101-55-3	0	U		0.0000877	0.0100
2-Chloronaphthalene	91-58-7	0	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	7005-72-3	0	U		0.0000926	0.0100
Chrysene	218-01-9	8.86	U		0.000130	0.00100
Dibenz(a,h)anthracene	53-70-3	0	U		0.0000644	0.000200
1,2-Dichlorobenzene	95-50-1	0	U		0.0000713	0.0100
1,3-Dichlorobenzene	541-73-1	0	U		0.000132	0.0100
1,4-Dichlorobenzene	106-46-7	0	U		0.0000942	0.0100
3,3-Dichlorobenzidine	91-94-1	0	U		0.000212	0.0100
2,4-Dinitrotoluene	121-14-2	0	U		0.0000983	0.0100
2,6-Dinitrotoluene	606-20-2	0	U		0.000250	0.0100
Fluoranthene	206-44-0	0	U		0.000102	0.00100
Fluorene	86-73-7	0	U		0.0000844	0.00100
Hexachlorobenzene	118-74-1	0	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.0000968	0.0100
Hexachlorocyclopentadiene	77-47-4	0	U		0.0000598	0.0100
Hexachloroethane	67-72-1	0	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.000279	0.00100
Isophorone	78-59-1	0	U		0.000143	0.0100
Naphthalene	91-20-3	4.17	U		0.000159	0.00100
Nitrobenzene	98-95-3	3.75	U		0.000297	0.0100
n-Nitrosodimethylamine	62-75-9	2.12	U	JO	0.000998	0.0100
n-Nitrosodiphenylamine	86-30-6	0	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	621-64-7	0	U		0.000261	0.0100
Phenanthrene	85-01-8	6.26	U		0.000112	0.00100
Benzylbutyl phthalate	85-68-7	0	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	117-81-7	8.91	U		0.000895	0.00300
Di-n-butyl phthalate	84-74-2	6.62	U		0.000453	0.00300
Diethyl phthalate	84-66-2	5.50	U		0.000287	0.00300
Dimethyl phthalate	131-11-3	0	U		0.000260	0.00300
Di-n-octyl phthalate	117-84-0	10.16	U		0.000932	0.00300

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-11	SDG:	L1212188
Client Sample ID:	EB-1-W-200422	Collected Date/Time:	04/22/20 13:30
Lab File ID:	0428A_11	Received Date/Time:	04/24/20 08:15
Instrument ID:	BNAMS24	Preparation Date/Time:	04/28/20 05:54
Analytical Batch:	WG1466958	Analysis Date/Time:	04/28/20 20:56
Dilution Factor:	1	Prep Method:	3510C
Analytical Method:	8270D	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	100 mL
Total Solids (%):		Final Wt/Vol:	0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Pyrene	129-00-0	0	U		0.000107	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.0000698	0.0100
4-Chloro-3-methylphenol	59-50-7	0	U		0.000131	0.0100
2-Chlorophenol	95-57-8	0	U		0.000133	0.0100
2,4-Dichlorophenol	120-83-2	0	U		0.000102	0.0100
2,4-Dimethylphenol	105-67-9	0	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	534-52-1	0	U		0.00112	0.0100
2,4-Dinitrophenol	51-28-5	0	U		0.00593	0.0100
2-Nitrophenol	88-75-5	0	U		0.000117	0.0100
4-Nitrophenol	100-02-7	0	U		0.000143	0.0100
Pentachlorophenol	87-86-5	0	U		0.000313	0.0100
Phenol	108-95-2	3.20	U		0.00433	0.0100
2,4,6-Trichlorophenol	88-06-2	0	U		0.000100	0.0100

1A-OR

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
EB-2-W-200423

Lab Sample ID: L1212188-12
Client Sample ID: EB-2-W-200423
Lab File ID: 0430_23
Instrument ID: BNAMS24
Analytical Batch: WG1467496
Dilution Factor: 1
Analytical Method: 8270D
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 16:15
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/29/20 23:28
Analysis Date/Time: 04/30/20 11:01
Prep Method: 3510C
Sample Vol Used: _____
Initial Wt/Vol: 105 mL
Final Wt/Vol: 0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Acenaphthene	83-32-9	0	U		0.0000886	0.00100
Acenaphthylene	208-96-8	0	U		0.0000921	0.00100
Anthracene	120-12-7	0	U		0.0000804	0.00100
Benzidine	92-87-5	0	U		0.00374	0.0100
Benzo(a)anthracene	56-55-3	0	U		0.000199	0.00100
Benzo(b)fluoranthene	205-99-2	0	U		0.000130	0.00100
Benzo(k)fluoranthene	207-08-9	0	U		0.000120	0.00100
Benzo(g,h,i)perylene	191-24-2	0	U		0.000121	0.00100
Benzo(a)pyrene	50-32-8	0	U		0.0000381	0.000200
Bis(2-chlorethoxy)methane	111-91-1	0	U		0.000116	0.0100
Bis(2-chloroethyl)ether	111-44-4	0	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	108-60-1	0	U		0.000210	0.0100
4-Bromophenyl-phenylether	101-55-3	0	U		0.0000877	0.0100
2-Chloronaphthalene	91-58-7	0	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	7005-72-3	0	U		0.0000926	0.0100
Chrysene	218-01-9	0	U		0.000130	0.00100
Dibenz(a,h)anthracene	53-70-3	0	U		0.0000644	0.000200
1,2-Dichlorobenzene	95-50-1	0	U		0.0000713	0.0100
1,3-Dichlorobenzene	541-73-1	0	U		0.000132	0.0100
1,4-Dichlorobenzene	106-46-7	0	U		0.0000942	0.0100
3,3-Dichlorobenzidine	91-94-1	0	U		0.000212	0.0100
2,4-Dinitrotoluene	121-14-2	0	U		0.0000983	0.0100
2,6-Dinitrotoluene	606-20-2	0	U		0.000250	0.0100
Fluoranthene	206-44-0	0	U		0.000102	0.00100
Fluorene	86-73-7	0	U		0.0000844	0.00100
Hexachlorobenzene	118-74-1	0	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.0000968	0.0100
Hexachlorocyclopentadiene	77-47-4	0	U		0.0000598	0.0100
Hexachloroethane	67-72-1	0	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.000279	0.00100
Isophorone	78-59-1	0	U		0.000143	0.0100
Naphthalene	91-20-3	0	U		0.000159	0.00100
Nitrobenzene	98-95-3	0	U		0.000297	0.0100
n-Nitrosodimethylamine	62-75-9	0	U	JO	0.000998	0.0500
n-Nitrosodiphenylamine	86-30-6	0	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	621-64-7	0	U		0.000261	0.0100
Phenanthrene	85-01-8	0	U		0.000112	0.00100
Benzylbutyl phthalate	85-68-7	0	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	117-81-7	0	U		0.000895	0.00300
Di-n-butyl phthalate	84-74-2	0	U		0.000453	0.00300
Diethyl phthalate	84-66-2	0	U		0.000287	0.00300
Dimethyl phthalate	131-11-3	0	U		0.000260	0.00300
Di-n-octyl phthalate	117-84-0	0	U		0.000932	0.00300

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-12	SDG:	L1212188
Client Sample ID:	EB-2-W-200423	Collected Date/Time:	04/23/20 16:15
Lab File ID:	0430_23	Received Date/Time:	04/24/20 08:15
Instrument ID:	BNAMS24	Preparation Date/Time:	04/29/20 23:28
Analytical Batch:	WG1467496	Analysis Date/Time:	04/30/20 11:01
Dilution Factor:	1	Prep Method:	3510C
Analytical Method:	8270D	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	105 mL
Total Solids (%):		Final Wt/Vol:	0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Pyrene	129-00-0	0	U		0.000107	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.0000698	0.0100
4-Chloro-3-methylphenol	59-50-7	0	U		0.000131	0.0100
2-Chlorophenol	95-57-8	0	U		0.000133	0.0100
2,4-Dichlorophenol	120-83-2	0	U		0.000102	0.0100
2,4-Dimethylphenol	105-67-9	0	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	534-52-1	0	U		0.00112	0.0100
2,4-Dinitrophenol	51-28-5	0	U		0.00593	0.0100
2-Nitrophenol	88-75-5	0	U		0.000117	0.0100
4-Nitrophenol	100-02-7	0	U		0.000143	0.0100
Pentachlorophenol	87-86-5	0	U		0.000313	0.0100
Phenol	108-95-2	0	U		0.00433	0.0100
2,4,6-Trichlorophenol	88-06-2	0	U		0.000100	0.0100



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SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEETSAMPLE NO.:
BD-1-W-200423

Lab Sample ID: L1212188-13
Client Sample ID: BD-1-W-200423
Lab File ID: 0430_24
Instrument ID: BNAMS24
Analytical Batch: WG1467496
Dilution Factor: 1
Analytical Method: 8270D
Matrix: GW
Total Solids (%): _____

SDG: L1212188
Collected Date/Time: 04/23/20 00:00
Received Date/Time: 04/24/20 08:15
Preparation Date/Time: 04/29/20 23:28
Analysis Date/Time: 04/30/20 11:22
Prep Method: 3510C
Sample Vol Used: _____
Initial Wt/Vol: 105 mL
Final Wt/Vol: 0.5 mL

Analyte	CAS	RT	Result mg/l	Qualifier	MDL mg/l	RDL mg/l
Acenaphthene	83-32-9	0	U		0.0000886	0.00100
Acenaphthylene	208-96-8	0	U		0.0000921	0.00100
Anthracene	120-12-7	0	U		0.0000804	0.00100
Benzidine	92-87-5	0	U		0.00374	0.0100
Benzo(a)anthracene	56-55-3	0	U		0.000199	0.00100
Benzo(b)fluoranthene	205-99-2	0	U		0.000130	0.00100
Benzo(k)fluoranthene	207-08-9	0	U		0.000120	0.00100
Benzo(g,h,i)perylene	191-24-2	0	U		0.000121	0.00100
Benzo(a)pyrene	50-32-8	0	U		0.0000381	0.000200
Bis(2-chlorethoxy)methane	111-91-1	0	U		0.000116	0.0100
Bis(2-chloroethyl)ether	111-44-4	0	U		0.000137	0.0100
2,2-Oxybis(1-Chloropropane)	108-60-1	0	U		0.000210	0.0100
4-Bromophenyl-phenylether	101-55-3	0	U		0.0000877	0.0100
2-Chloronaphthalene	91-58-7	0	U		0.0000648	0.00100
4-Chlorophenyl-phenylether	7005-72-3	0	U		0.0000926	0.0100
Chrysene	218-01-9	0	U		0.000130	0.00100
Dibenz(a,h)anthracene	53-70-3	0	U		0.0000644	0.000200
1,2-Dichlorobenzene	95-50-1	0	U		0.0000713	0.0100
1,3-Dichlorobenzene	541-73-1	0	U		0.000132	0.0100
1,4-Dichlorobenzene	106-46-7	0	U		0.0000942	0.0100
3,3-Dichlorobenzidine	91-94-1	0	U		0.000212	0.0100
2,4-Dinitrotoluene	121-14-2	0	U		0.0000983	0.0100
2,6-Dinitrotoluene	606-20-2	0	U		0.000250	0.0100
Fluoranthene	206-44-0	0	U		0.000102	0.00100
Fluorene	86-73-7	0	U		0.0000844	0.00100
Hexachlorobenzene	118-74-1	0	U		0.0000755	0.00100
Hexachloro-1,3-butadiene	87-68-3	0	U		0.0000968	0.0100
Hexachlorocyclopentadiene	77-47-4	0	U		0.0000598	0.0100
Hexachloroethane	67-72-1	0	U		0.000127	0.0100
Indeno(1,2,3-cd)pyrene	193-39-5	0	U		0.000279	0.00100
Isophorone	78-59-1	0	U		0.000143	0.0100
Naphthalene	91-20-3	0	U		0.000159	0.00100
Nitrobenzene	98-95-3	0	U		0.000297	0.0100
n-Nitrosodimethylamine	62-75-9	0	U	JO	0.000998	0.0500
n-Nitrosodiphenylamine	86-30-6	0	U		0.00237	0.0100
n-Nitrosodi-n-propylamine	621-64-7	0	U		0.000261	0.0100
Phenanthrene	85-01-8	0	U		0.000112	0.00100
Benzylbutyl phthalate	85-68-7	0	U		0.000765	0.00300
Bis(2-ethylhexyl)phthalate	117-81-7	0	U		0.000895	0.00300
Di-n-butyl phthalate	84-74-2	0	U		0.000453	0.00300
Diethyl phthalate	84-66-2	0	U		0.000287	0.00300
Dimethyl phthalate	131-11-3	0	U		0.000260	0.00300
Di-n-octyl phthalate	117-84-0	0	U		0.000932	0.00300

SAMPLE RESULT SUMMARY
ORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-13	SDG:	L1212188
Client Sample ID:	BD-1-W-200423	Collected Date/Time:	04/23/20 00:00
Lab File ID:	0430_24	Received Date/Time:	04/24/20 08:15
Instrument ID:	BNAMS24	Preparation Date/Time:	04/29/20 23:28
Analytical Batch:	WG1467496	Analysis Date/Time:	04/30/20 11:22
Dilution Factor:	1	Prep Method:	3510C
Analytical Method:	8270D	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	105 mL
Total Solids (%):		Final Wt/Vol:	0.5 mL

Analyte	CAS	RT	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Pyrene	129-00-0	0	U		0.000107	0.00100
1,2,4-Trichlorobenzene	120-82-1	0	U		0.0000698	0.0100
4-Chloro-3-methylphenol	59-50-7	0	U		0.000131	0.0100
2-Chlorophenol	95-57-8	0	U		0.000133	0.0100
2,4-Dichlorophenol	120-83-2	0	U		0.000102	0.0100
2,4-Dimethylphenol	105-67-9	0	U		0.0000636	0.0100
4,6-Dinitro-2-methylphenol	534-52-1	0	U		0.00112	0.0100
2,4-Dinitrophenol	51-28-5	0	U		0.00593	0.0100
2-Nitrophenol	88-75-5	0	U		0.000117	0.0100
4-Nitrophenol	100-02-7	0	U		0.000143	0.0100
Pentachlorophenol	87-86-5	0	U		0.000313	0.0100
Phenol	108-95-2	0	U		0.00433	0.0100
2,4,6-Trichlorophenol	88-06-2	0	U		0.000100	0.0100

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-01	SDG:	L1212188
Client Sample ID:	OR-3-W-200423	Collected Date/Time:	04/23/20 14:42
Lab File ID:	20200430130733	Received Date/Time:	04/24/20 08:15
Instrument ID:	ICPMS11	Preparation Date/Time:	04/29/20 07:06
Analytical Batch:	WG1466669	Analysis Date/Time:	04/30/20 13:07
Dilution Factor:	1	Prep Method:	3015
Analytical Method:	6020A	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	45 mL
Total Solids (%):		Final Wt/Vol:	50 mL

Analyte	CAS	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Lead,Dissolved	7439-92-1	U		0.00249	0.00500

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-02	SDG:	L1212188
Client Sample ID:	OS-3-W-200423	Collected Date/Time:	04/23/20 12:53
Lab File ID:	20200430125422	Received Date/Time:	04/24/20 08:15
Instrument ID:	ICPMS11	Preparation Date/Time:	04/29/20 07:06
Analytical Batch:	WG1466669	Analysis Date/Time:	04/30/20 12:54
Dilution Factor:	1	Prep Method:	3015
Analytical Method:	6020A	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	45 mL
Total Solids (%):		Final Wt/Vol:	50 mL

Analyte	CAS	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Lead,Dissolved	7439-92-1	U		0.00249	0.00500

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-03	SDG:	L1212188
Client Sample ID:	DB-17-W-200423	Collected Date/Time:	04/23/20 10:05
Lab File ID:	20200430131050	Received Date/Time:	04/24/20 08:15
Instrument ID:	ICPMS11	Preparation Date/Time:	04/29/20 07:06
Analytical Batch:	WG1466669	Analysis Date/Time:	04/30/20 13:10
Dilution Factor:	1	Prep Method:	3015
Analytical Method:	6020A	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	45 mL
Total Solids (%):		Final Wt/Vol:	50 mL

Analyte	CAS	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Lead,Dissolved	7439-92-1	U		0.00249	0.00500

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-04	SDG:	L1212188
Client Sample ID:	TF-5-W-200422	Collected Date/Time:	04/22/20 14:22
Lab File ID:	20200430131407	Received Date/Time:	04/24/20 08:15
Instrument ID:	ICPMS11	Preparation Date/Time:	04/29/20 07:06
Analytical Batch:	WG1466669	Analysis Date/Time:	04/30/20 13:14
Dilution Factor:	1	Prep Method:	3015
Analytical Method:	6020A	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	45 mL
Total Solids (%):		Final Wt/Vol:	50 mL

Analyte	CAS	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Lead,Dissolved	7439-92-1	U		0.00249	0.00500

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-05	SDG:	L1212188
Client Sample ID:	DB-8A-W-200423	Collected Date/Time:	04/23/20 15:36
Lab File ID:	20200430131726	Received Date/Time:	04/24/20 08:15
Instrument ID:	ICPMS11	Preparation Date/Time:	04/29/20 07:06
Analytical Batch:	WG1466669	Analysis Date/Time:	04/30/20 13:17
Dilution Factor:	1	Prep Method:	3015
Analytical Method:	6020A	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	45 mL
Total Solids (%):		Final Wt/Vol:	50 mL

Analyte	CAS	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Lead,Dissolved	7439-92-1	U		0.00249	0.00500

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-06	SDG:	L1212188
Client Sample ID:	OR-2-W-200423	Collected Date/Time:	04/23/20 14:50
Lab File ID:	20200430133353	Received Date/Time:	04/24/20 08:15
Instrument ID:	ICPMS11	Preparation Date/Time:	04/29/20 07:06
Analytical Batch:	WG1466669	Analysis Date/Time:	04/30/20 13:33
Dilution Factor:	1	Prep Method:	3015
Analytical Method:	6020A	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	45 mL
Total Solids (%):		Final Wt/Vol:	50 mL

Analyte	CAS	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Lead,Dissolved	7439-92-1	U		0.00249	0.00500

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-07	SDG:	L1212188
Client Sample ID:	OS-2-W-200423	Collected Date/Time:	04/23/20 13:00
Lab File ID:	20200430133710	Received Date/Time:	04/24/20 08:15
Instrument ID:	ICPMS11	Preparation Date/Time:	04/29/20 07:06
Analytical Batch:	WG1466669	Analysis Date/Time:	04/30/20 13:37
Dilution Factor:	1	Prep Method:	3015
Analytical Method:	6020A	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	45 mL
Total Solids (%):		Final Wt/Vol:	50 mL

Analyte	CAS	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Lead,Dissolved	7439-92-1	U		0.00249	0.00500

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-08	SDG:	L1212188
Client Sample ID:	DC-1-W-200423	Collected Date/Time:	04/23/20 15:35
Lab File ID:	20200430134028	Received Date/Time:	04/24/20 08:15
Instrument ID:	ICPMS11	Preparation Date/Time:	04/29/20 07:06
Analytical Batch:	WG1466669	Analysis Date/Time:	04/30/20 13:40
Dilution Factor:	1	Prep Method:	3015
Analytical Method:	6020A	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	45 mL
Total Solids (%):		Final Wt/Vol:	50 mL

Analyte	CAS	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Lead,Dissolved	7439-92-1	U		0.00249	0.00500

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-09	SDG:	L1212188
Client Sample ID:	DC-2-W-200423	Collected Date/Time:	04/23/20 09:52
Lab File ID:	20200430134345	Received Date/Time:	04/24/20 08:15
Instrument ID:	ICPMS11	Preparation Date/Time:	04/29/20 07:06
Analytical Batch:	WG1466669	Analysis Date/Time:	04/30/20 13:43
Dilution Factor:	1	Prep Method:	3015
Analytical Method:	6020A	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	45 mL
Total Solids (%):		Final Wt/Vol:	50 mL

Analyte	CAS	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Lead,Dissolved	7439-92-1	U		0.00249	0.00500

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-10	SDG:	L1212188
Client Sample ID:	TF-23-W-200422	Collected Date/Time:	04/22/20 14:15
Lab File ID:	20200430134702	Received Date/Time:	04/24/20 08:15
Instrument ID:	ICPMS11	Preparation Date/Time:	04/29/20 07:06
Analytical Batch:	WG1466669	Analysis Date/Time:	04/30/20 13:47
Dilution Factor:	1	Prep Method:	3015
Analytical Method:	6020A	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	45 mL
Total Solids (%):		Final Wt/Vol:	50 mL

Analyte	CAS	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Lead,Dissolved	7439-92-1	U		0.00249	0.00500

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-11	SDG:	L1212188
Client Sample ID:	EB-1-W-200422	Collected Date/Time:	04/22/20 13:30
Lab File ID:	20200430135020	Received Date/Time:	04/24/20 08:15
Instrument ID:	ICPMS11	Preparation Date/Time:	04/29/20 07:06
Analytical Batch:	WG1466669	Analysis Date/Time:	04/30/20 13:50
Dilution Factor:	1	Prep Method:	3015
Analytical Method:	6020A	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	45 mL
Total Solids (%):		Final Wt/Vol:	50 mL

Analyte	CAS	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Lead,Dissolved	7439-92-1	U		0.00249	0.00500

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-12	SDG:	L1212188
Client Sample ID:	EB-2-W-200423	Collected Date/Time:	04/23/20 16:15
Lab File ID:	20200430135340	Received Date/Time:	04/24/20 08:15
Instrument ID:	ICPMS11	Preparation Date/Time:	04/29/20 07:06
Analytical Batch:	WG1466669	Analysis Date/Time:	04/30/20 13:53
Dilution Factor:	1	Prep Method:	3015
Analytical Method:	6020A	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	45 mL
Total Solids (%):		Final Wt/Vol:	50 mL

Analyte	CAS	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Lead,Dissolved	7439-92-1	U		0.00249	0.00500

SAMPLE RESULT SUMMARY
INORGANIC ANALYSIS DATA SHEET

Lab Sample ID:	L1212188-13	SDG:	L1212188
Client Sample ID:	BD-1-W-200423	Collected Date/Time:	04/23/20 00:00
Lab File ID:	20200430135700	Received Date/Time:	04/24/20 08:15
Instrument ID:	ICPMS11	Preparation Date/Time:	04/29/20 07:06
Analytical Batch:	WG1466669	Analysis Date/Time:	04/30/20 13:57
Dilution Factor:	1	Prep Method:	3015
Analytical Method:	6020A	Sample Vol Used:	
Matrix:	GW	Initial Wt/Vol:	45 mL
Total Solids (%):		Final Wt/Vol:	50 mL

Analyte	CAS	Result <i>mg/l</i>	Qualifier	MDL <i>mg/l</i>	RDL <i>mg/l</i>
Lead,Dissolved	7439-92-1	U		0.00249	0.00500

Former Chevron Texaco Research Center

DATA REVIEW

Beacon, New York

Volatiles, Semivolatiles and Metals Analyses

SDG # L1273359

Analyses Performed By:

Pace Analytical

Mount Juliet, TN

Report #39831R

Review Level: Tier III

Project: 30043615.1.9401

A large, solid orange geometric shape, resembling a stylized triangle or a section of a larger triangle, is positioned in the bottom right corner of the page. It is composed of two overlapping triangles, creating a complex, angular form that extends from the bottom edge towards the top right corner.

DATA REVIEW REPORT

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) L1273359 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
DC-2-W-201012	L1273359-01	Water	10/12/2020		X	X	X
DB-8A-W-201012	L1273359-02	Water	10/12/2020		X	X	X
OR-2-W-201012	L1273359-03	Water	10/12/2020		X	X	X
OS-2-W-201012	L1273359-04	Water	10/12/2020		X	X	X
OR-3-W-201013	L1273359-05	Water	10/13/2020		X	X	X
OS-3-W-201013	L1273359-06	Water	10/13/2020		X	X	X
BD-W-201012	L1273359-07	Water	10/12/2020	OS-2-W-201012	X	X	X
EB-1-W-201013	L1273359-08	Water	10/13/2020		X	X	X
EB-2-W-201012	L1273359-09	Water	10/12/2020		X	X	X
TB-1-W-201012	L1273359-10	Water	10/12/2020		X		
TB-2-W-201013	L1273359-11	Water	10/13/2020		X		
TF-23-W-201013	L1273359-12	Water	10/13/2020		X	X	X

Notes:

VOC - Volatile Organic Compounds.

SVOC - Semivolatile Organic Compounds.

MET - Metals.

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ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of 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 limits		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 (COC) 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

The sample ID OS-2-W-201012 listed twice on the COC. This sample was accidentally listed twice on the COC.

The sample TF-23 was not listed on the COC, but this sample was submitted by project team with collection date/time 10/13/20 @1245 for VOC, SVOC and metals analysis.

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ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C and 8270C, 8270D and 8270D-SIM. Data were reviewed in accordance with USEPA Region II Standard Operating Procedures (SOPs), National Functional Guidelines for Organic Superfund Methods Data Review, EPA 540-R-2017-002, January 2017 (with reference to the historical USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, October 1999, as appropriate).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
 - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
 - UB Compound is considered non-detect at the listed value due to associated blank contamination.
 - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
 - R The sample results are rejected.

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

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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.

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VOLATILE ORGANIC COMPOUND (VOC) 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 8260C / EPA 524	Water	14 days from collection to analysis (preserved)	Cool to <6 °C; preserved to a pH of less than 2 s.u.

Note:

s.u. Standard units

All samples were analyzed within the specified holding time criteria.

Note: The target compound 2-chloroethyl vinyl ether degrades in the presence of acid used to preserve the aqueous samples. Therefore, all sample results for 2-chloroethyl vinyl ether have been qualified as rejected.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore, detected sample results were not associated with blank contamination

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable, and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

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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 initial 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 below exceptions.

Sample ID	Initial/Continuing	Compounds	Criteria
TB-1-W-201012 TB-2-W-201013 TF-23-W-201013	Continuing Calibration Verification %D	Bromobenzene	+28.6%
		Chloroethane	+25.3%
		Vinyl chloride	+28.9%
		Trichlorofluoromethane	+29.3%
DC-2-W-201012 DB-8A-W-201012 OR-2-W-201012 OS-2-W-201012 OR-3-W-201013 OS-3-W-201013 BD-W-201012 EB-1-W-201013 EB-2-W-201012		Vinyl acetate	+37.4%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01 ¹	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01 ¹	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 20% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
	%RSD > 90%	Non-detect	R
		Detect	J
Continuing Calibration	%D > 20%	Non-detect	No Action
		Detect	J
	%D < 20%	Non-detect	UJ
		Detect	J
	%D > 90% (increase/decrease in sensitivity)	Non-detect	R
		Detect	J

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Initial/Continuing	Criteria	Sample Result	Qualification
		Detect	J

Note:

¹RRF of 0.01 only applies to compounds which are typically poor responding compounds

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 insure 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 where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

Sample associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample ID	Compounds	MS Recovery	MSD Recovery
OR-3-W-201013	2-Chloroethyl vinyl ether	<10%	<10%
	Vinyl acetate	AC	>UL
	Vinyl chloride	>UL	>UL

Notes:

AC Acceptable

UL Upper control limit

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.

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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

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.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

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 matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result (ug/l)	Duplicate Result (ug/l)	RPD
OS-2-W-201012 / BD-W-201012	Chloroform	0.153	0.182	Acceptable

The results 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.

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DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 8260C	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		
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		X		X		

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

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SEMIVOLATILE ORGANIC COMPOUND (SVOC) 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 8270C / 8270D / 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 criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable, and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (20%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

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All compounds associated with the initial 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.

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 two of the three SVOC surrogate compounds within each fraction exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure 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 where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

MS/MSD analysis was performed on sample OR-3-W-201013 and recoveries were within the control limits.

The sample associated with MS/MSD recoveries exhibiting an RPD greater than the control limit presented in the following table.

Method	Sample ID	Compounds
SW846 8270D-SIM	OR-3-W-201013	Acenaphthylene
		Anthracene
		Benzo(a)anthracene
		Benzo(a)pyrene
		Benzo(b)fluoranthene
		Benzo(g,h,i)perylene
		Benzo(k)fluoranthene

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Method	Sample ID	Compounds
		Chrysene Dibenz(a,h)anthracene Dibenzofuran Fluoranthene Fluorene Hexachlorobenzene Indeno(1,2,3-cd)pyrene Naphthalene Phenanthrene Pyrene

The criteria used to evaluate the RPD between the MS/MSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

8. Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the accuracy and precision of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All Compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits.

The sample associated with LCS/LCSD recoveries exhibiting an RPD greater than the control limit presented in the following table.

Method	Sample ID	Compounds
SW846 8270D	OR-3-W-201013	
	OS-3-W-201013	2,4,5-Trichlorophenol
	EB-1-W-201013	4-Chloro-3-methylphenol
	TF-23-W-201013	

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.

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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 matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result (ug/l)	Duplicate Result (ug/l)	RPD
OS-2-W-201012 / BD-W-201012	All target compounds	U	U	Acceptable

The results 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.

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DATA VALIDATION CHECKLIST FOR SVOCs

SVOCs: SW-846 8270D	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	
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		X		X	

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SVOCs: SW-846 8270D	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
windows					
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

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INORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency USEPA Method, SW846 methods 6020A. Data were reviewed in accordance with "USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, EPA-540-R-10-011, January 2010", with additional reference to "USEPA CLP National Functional Guidelines for Inorganic Data Review, EPA 540/R-04-004, October 2004" as appropriate and applicable Region II SOPs.

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 reported sample detection 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.

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METAL (DISSOLVED LEAD) 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 with nitric acid.

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. 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.

3.1 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.

3.2 RL Check Standard

The RL check standard serves to verify the linearity of calibration of the analysis at the reporting limit. The RL standard is not required for the analysis of iron (Fe), magnesium (Mg) and sodium (Na). The criteria used to evaluate the RL standard analysis are presented below in the RL standards evaluation table (if applicable).

All RL standard recoveries were within control limits.

3.3 ICP Interference Control Sample (ICS)

The ICS verifies the laboratories interelement and background correction factors.

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All ICS exhibited recoveries within the control limits.

4. 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.

4.1 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 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 OR-3-W-201013 for lead and exhibited recoveries within the control limit.

4.2 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 times 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.

5. 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 matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Analyte	Sample Result (ug/l)	Duplicate Result (ug/l)	RPD
OS-2-W-201012 / BD-W-201012	Lead	U	U	Acceptable

The result between parent and duplicate sample were acceptable.

6. 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.

7. 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

DATA REVIEW REPORT

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 performed on sample OR-3-W-201013 for lead and %D exhibited within the control limit.

8. 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 REVIEW REPORT

DATA VALIDATION CHECKLIST FOR METAL

METALS: SW-846 6020A	Reported		Performance Acceptable		Not Required	
	No	Yes	No	Yes		
Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)						
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	
Tier III Validation						
Initial Calibration Verification		X		X		
Continuing Calibration Verification		X		X		
CRDL Standard Recovery		X		X		
ICP Interference Check		X		X		
Transcription/calculations acceptable		X		X		
Raw Data		X		X		
Reporting limits adjusted to reflect sample dilutions		X		X		

Notes:

%R Percent recovery

RPD Relative percent difference

DATA REVIEW REPORT

VALIDATION PERFORMED BY: Suresh PR

SIGNATURE: 

DATE: January 11, 2021

PEER REVIEW: Dennis Capria

DATE: January 14, 2021

CHAIN OF CUSTODY CORRECTED SAMPLE ANALYSIS DATA SHEETS



Arcadis - Chevron - NY

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

Report to:
Ed Meyer

Project Description:
Beacon

City/State
Collected: NY

Please Circle:
PT MT CT ET

Phone: 609-860-0590

Client Project #
30043615

Lab Project #
CHEVARCNY-BEACON

Collected by (print): Kirk Vargas
Bulck Sandoz

Site/Facility ID #
PMG00037

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Quote #

Same Day Five Day
Next Day 5 Day (Rad Only)
Two Day 10 Day (Rad Only)
Three Day

Date Results Needed

No.
of
Cntrs

Immediately
Packed on Ice N Y ✓

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
DC-2-W-201012	Grab	GW		10/12/20	1140	9
DB-8A-W-201012	Grab	GW		10/12/20	1450	11
OR-2-W-201012	Grab	GW		10/12/20	1342	9
OS-2-W-201012	Grab	GW		10/12/20	1320	9
OR-3-W-201013	Grab	GW		10/13/20	1112	27
OS-3-W-201013	Grab	GW		10/13/20	1015	9
OS-2-W-201012	Grab	GW		10/13/20	1320	9
BD-W-201012	Grab	BD		10/12/20	—	9
EB-W-201013	Grab	EB		10/13/20	1640	11
EB-W-201012	Grab	EB		10/12/20	1630	11

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

Remarks:

Samples returned via:
UPS FedEx Courier

Tracking # 9186 2508 7557-7568

pH Temp

Flow Other

Sample Receipt Checklist
COC Seal Present/Intact: 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

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: 14.3 °C
7.1.8
Bottles Received: 114

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Date: 10/14/20
Time: 900

Hold:

Condition:
NCF / OK

Billing Information:

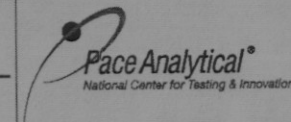
Attn: Accounts Payable
630 Plaza Drive, Suite 600
Highlands Ranch, CO 80129

Pres
Chk

Email To:
ed.meyer@arcadis.com; mosam.shah@arcadis.com

Analysis / Container / Preservative

Chain of Custody Page 1 of 2



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # L1273359

Table #

F029

Acctnum: CHEVARCNY

Template: T166593

Prelogin: P803368

PM: 526 - Chris McCord

PB: TB 10-9-20

Shipped Via: FedEx 2nd Day

Remarks

Sample # (lab only)

-01

-02

-03

-04

-05

-06

-07

-08

-09

Arcadis - Chevron - NY

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

Report to:
Ed Meyer

Project Description:
Beacon

Phone: 609-860-0590

Collected by (print): *Kirk V. ...*
Bulette Sandbag

Collected by (signature): *[Signature]*

Immediately
Packed on Ice N ☐ Y ☒

Billing Information:

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

Email To:
ed.meyer@arcadis.com; mosam.shah@arcadis.c

City/State
Collected: NY

Please Circle:
PT MT CT ET

Client Project #
30043615

Lab Project #
CHEVARCNY-BEACON

Site/Facility ID #
PMG00037

P.O. #

Rush? (Lab MUST Be Notified)

☐ Same Day ☐ Five Day
☐ Next Day ☒ 5 Day (Rad Only)
☐ Two Day ☐ 10 Day (Rad Only)
☐ Three Day

Quote #

Date Results Needed

No.
of
Cntrs

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

TB-W-201012

Grab

GW

10/12/20

1

TB-W-201013

Grab

GW

10/13/20

1

GW

GW

GW

GW

GW

GW

GW

GW

GW

* Matrix:

SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking # 918625087568

Relinquished by: (Signature)

Date:

10/13/20

Time:

1820

Received by: (Signature)

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

pH Temp

Flow Other

Temp: *18.3°C*
Date: *10/14/20*
Time: *900*

Bottles Received: *114*

Sample Receipt Checklist

COC Seal Present/Intact: ☒ 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

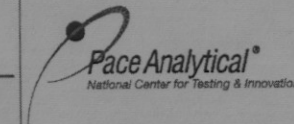
If preservation required by Login: Date/Time

Hold:

Condition:
NCF OK

Analysis / Container / Preservative

Chain of Custody Page 1 of 2



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # L1273359

Table #

Acctnum: CHEVARCNY

Template: T166593

Prelogin: P803368

PM: 526 - Chris McCord

PB: 76 10-9-20

Shipped Via: FedEx 2nd Day

Remarks

Sample # (lab only)

-10

-11



Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:10	WG1560250

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	10/19/2020 14:49	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 07:57	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 07:57	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 07:57	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 07:57	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 07:57	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 07:57	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 07:57	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 07:57	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 07:57	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 07:57	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 07:57	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 07:57	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 07:57	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 07:57	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 07:57	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 07:57	WG1562631
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/21/2020 07:57~~	~~WG1562631~~
Chloroform	U		0.111	0.500	1	10/21/2020 07:57	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 07:57	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 07:57	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 07:57	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 07:57	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 07:57	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 07:57	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 07:57	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 07:57	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 07:57	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 07:57	WG1562631
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2020 07:57	WG1562631
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 07:57	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 07:57	WG1562631
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 07:57	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 07:57	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 07:57	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 07:57	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 07:57	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 07:57	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 07:57	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 07:57	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 07:57	WG1562631
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 07:57	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 07:57	WG1562631
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 07:57	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 07:57	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 07:57	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 07:57	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 07:57	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 07:57	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 07:57	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

R



Collected date/time: 10/12/20 11:40

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 07:57	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 07:57	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 07:57	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 07:57	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 07:57	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 07:57	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 07:57	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 07:57	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 07:57	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 07:57	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 07:57	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 07:57	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 07:57	WG1562631
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 07:57	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 07:57	WG1562631
Trichloroethene	U		0.190	0.500	1	10/21/2020 07:57	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 07:57	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 07:57	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 07:57	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 07:57	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 07:57	WG1562631
Vinyl acetate	U	~~LO~~	0.692	5.00	1	10/21/2020 07:57	WG1562631
Vinyl chloride	U		0.234	0.500	1	10/21/2020 07:57	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 07:57	WG1562631
(S) Toluene-d8	111			80.0-120		10/21/2020 07:57	WG1562631
(S) 4-Bromofluorobenzene	98.9			77.0-126		10/21/2020 07:57	WG1562631
(S) 1,2-Dichloroethane-d4	111			70.0-130		10/21/2020 07:57	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/19/2020 15:42	WG1561303
Atrazine	U		0.255	10.0	1	10/19/2020 15:42	WG1561303
Benzaldehyde	U		1.69	10.0	1	10/19/2020 15:42	WG1561303
Biphenyl	U		0.790	10.0	1	10/19/2020 15:42	WG1561303
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/19/2020 15:42	WG1561303
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/19/2020 15:42	WG1561303
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/19/2020 15:42	WG1561303
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/19/2020 15:42	WG1561303
Caprolactam	U		0.309	10.0	1	10/19/2020 15:42	WG1561303
Carbazole	U		0.111	10.0	1	10/19/2020 15:42	WG1561303
4-Chloroaniline	U		0.234	5.00	1	10/19/2020 15:42	WG1561303
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/19/2020 15:42	WG1561303
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/19/2020 15:42	WG1561303
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/19/2020 15:42	WG1561303
2,6-Dinitrotoluene	U		0.250	5.00	1	10/19/2020 15:42	WG1561303
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/19/2020 15:42	WG1561303
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/19/2020 15:42	WG1561303
Hexachloroethane	U		0.127	5.00	1	10/19/2020 15:42	WG1561303
Isophorone	U		0.143	10.0	1	10/19/2020 15:42	WG1561303
2-Nitroaniline	U		0.102	5.00	1	10/19/2020 15:42	WG1561303
3-Nitroaniline	U		0.0869	5.00	1	10/19/2020 15:42	WG1561303
4-Nitroaniline	U		0.0910	5.00	1	10/19/2020 15:42	WG1561303
Nitrobenzene	U		0.297	10.0	1	10/19/2020 15:42	WG1561303
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/19/2020 15:42	WG1561303
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/19/2020 15:42	WG1561303

ACCOUNT:

Arcadis - Chevron - NY

PROJECT:

30043615

SDG:

L1273359

DATE/TIME:

10/26/20 23:00

PAGE:

8 of 73

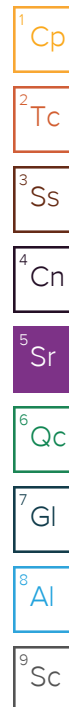


Collected date/time: 10/12/20 11:40

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/19/2020 15:42	WG1561303
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/19/2020 15:42	WG1561303
Di-n-butyl phthalate	U		0.453	3.00	1	10/19/2020 15:42	WG1561303
Diethyl phthalate	U		0.287	3.00	1	10/19/2020 15:42	WG1561303
Dimethyl phthalate	U		0.260	3.00	1	10/19/2020 15:42	WG1561303
Di-n-octyl phthalate	U		0.932	3.00	1	10/19/2020 15:42	WG1561303
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/19/2020 15:42	WG1561303
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/19/2020 15:42	WG1561303
2-Chlorophenol	U		0.133	1.00	1	10/19/2020 15:42	WG1561303
2-Methylphenol	U		0.0929	1.00	1	10/19/2020 15:42	WG1561303
3&4-Methyl Phenol	U		0.168	1.00	1	10/19/2020 15:42	WG1561303
2,4-Dichlorophenol	U		0.102	5.00	1	10/19/2020 15:42	WG1561303
2,4-Dimethylphenol	U		0.0636	10.0	1	10/19/2020 15:42	WG1561303
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/19/2020 15:42	WG1561303
2,4-Dinitrophenol	U		5.93	10.0	1	10/19/2020 15:42	WG1561303
2-Nitrophenol	U		0.117	1.00	1	10/19/2020 15:42	WG1561303
4-Nitrophenol	U		0.143	10.0	1	10/19/2020 15:42	WG1561303
Pentachlorophenol	U		0.313	1.00	1	10/19/2020 15:42	WG1561303
Phenol	U		4.33	10.0	1	10/19/2020 15:42	WG1561303
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/19/2020 15:42	WG1561303
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/19/2020 15:42	WG1561303
(S) 2-Fluorophenol	26.0			10.0-120		10/19/2020 15:42	WG1561303
(S) Phenol-d5	14.7			10.0-120		10/19/2020 15:42	WG1561303
(S) Nitrobenzene-d5	45.3			10.0-127		10/19/2020 15:42	WG1561303
(S) 2-Fluorobiphenyl	55.3			10.0-130		10/19/2020 15:42	WG1561303
(S) 2,4,6-Tribromophenol	48.4			10.0-155		10/19/2020 15:42	WG1561303
(S) p-Terphenyl-d14	64.9			10.0-128		10/19/2020 15:42	WG1561303



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 04:40	WG1561279
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 04:40	WG1561279
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 04:40	WG1561279
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 04:40	WG1561279
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 04:40	WG1561279
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 04:40	WG1561279
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 04:40	WG1561279
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 04:40	WG1561279
Chrysene	U		0.0179	0.0500	1	10/19/2020 04:40	WG1561279
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 04:40	WG1561279
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 04:40	WG1561279
Fluoranthene	U		0.0270	0.100	1	10/19/2020 04:40	WG1561279
Fluorene	U		0.0169	0.0500	1	10/19/2020 04:40	WG1561279
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 04:40	WG1561279
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 04:40	WG1561279
Naphthalene	U		0.0917	0.250	1	10/19/2020 04:40	WG1561279
Phenanthrene	U		0.0180	0.0500	1	10/19/2020 04:40	WG1561279
Pyrene	U		0.0169	0.0500	1	10/19/2020 04:40	WG1561279
1-Methylnaphthalene	U		0.0687	0.250	1	10/19/2020 04:40	WG1561279
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 04:40	WG1561279
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 04:40	WG1561279
(S) Nitrobenzene-d5	97.5			31.0-160		10/19/2020 04:40	WG1561279
(S) 2-Fluorobiphenyl	101			48.0-148		10/19/2020 04:40	WG1561279
(S) p-Terphenyl-d14	102			37.0-146		10/19/2020 04:40	WG1561279



Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:14	WG1560250

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	10/19/2020 18:19	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 08:19	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 08:19	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 08:19	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 08:19	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 08:19	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 08:19	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 08:19	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 08:19	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 08:19	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 08:19	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 08:19	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 08:19	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 08:19	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 08:19	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 08:19	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 08:19	WG1562631
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/21/2020 08:19~~	~~WG1562631~~
Chloroform	0.780		0.111	0.500	1	10/21/2020 08:19	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 08:19	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 08:19	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 08:19	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 08:19	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 08:19	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 08:19	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 08:19	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 08:19	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 08:19	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 08:19	WG1562631
1,1-Dichloroethane	0.770		0.100	0.500	1	10/21/2020 08:19	WG1562631
1,2-Dichloroethane	0.106	J	0.0819	0.500	1	10/21/2020 08:19	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 08:19	WG1562631
cis-1,2-Dichloroethene	0.206	J	0.126	0.500	1	10/21/2020 08:19	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 08:19	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 08:19	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 08:19	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 08:19	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 08:19	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 08:19	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 08:19	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 08:19	WG1562631
Di-isopropyl ether	0.601		0.105	0.500	1	10/21/2020 08:19	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 08:19	WG1562631
Hexachloro-1,3-butadiene	0.793	J	0.337	1.00	1	10/21/2020 08:19	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 08:19	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 08:19	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 08:19	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 08:19	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 08:19	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 08:19	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

R



Collected date/time: 10/12/20 14:50

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 08:19	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 08:19	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 08:19	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 08:19	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 08:19	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 08:19	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 08:19	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 08:19	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 08:19	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 08:19	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 08:19	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 08:19	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 08:19	WG1562631
1,1,1-Trichloroethane	0.525		0.149	0.500	1	10/21/2020 08:19	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 08:19	WG1562631
Trichloroethene	12.3		0.190	0.500	1	10/21/2020 08:19	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 08:19	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 08:19	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 08:19	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 08:19	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 08:19	WG1562631
Vinyl acetate	U	Q	0.692	5.00	1	10/21/2020 08:19	WG1562631
Vinyl chloride	U		0.234	0.500	1	10/21/2020 08:19	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 08:19	WG1562631
(S) Toluene-d8	112			80.0-120		10/21/2020 08:19	WG1562631
(S) 4-Bromofluorobenzene	97.9			77.0-126		10/21/2020 08:19	WG1562631
(S) 1,2-Dichloroethane-d4	115			70.0-130		10/21/2020 08:19	WG1562631

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

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	11.8		0.0447	0.400	1	10/19/2020 19:00	WG1561299
(S) Nitrobenzene-d5	67.2			10.0-120		10/19/2020 19:00	WG1561299

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		0.218	10.5	1.05	10/19/2020 16:02	WG1561303
Atrazine	U		0.268	10.5	1.05	10/19/2020 16:02	WG1561303
Benzaldehyde	U		1.77	10.5	1.05	10/19/2020 16:02	WG1561303
Biphenyl	U		0.829	10.5	1.05	10/19/2020 16:02	WG1561303
Bis(2-chloroethoxy)methane	U		0.122	5.25	1.05	10/19/2020 16:02	WG1561303
Bis(2-chloroethyl)ether	U		0.144	1.05	1.05	10/19/2020 16:02	WG1561303
2,2-Oxybis(1-Chloropropane)	U		0.221	5.25	1.05	10/19/2020 16:02	WG1561303
4-Bromophenyl-phenylether	U		0.0921	10.5	1.05	10/19/2020 16:02	WG1561303
Caprolactam	1.64	Q	0.324	10.5	1.05	10/19/2020 16:02	WG1561303
Carbazole	U		0.117	10.5	1.05	10/19/2020 16:02	WG1561303
4-Chloroaniline	U		0.246	5.25	1.05	10/19/2020 16:02	WG1561303
4-Chlorophenyl-phenylether	U		0.0972	10.5	1.05	10/19/2020 16:02	WG1561303
3,3-Dichlorobenzidine	U		0.223	10.5	1.05	10/19/2020 16:02	WG1561303
2,4-Dinitrotoluene	U		0.103	5.25	1.05	10/19/2020 16:02	WG1561303
2,6-Dinitrotoluene	U		0.263	5.25	1.05	10/19/2020 16:02	WG1561303
Hexachloro-1,3-butadiene	0.296	Q	0.102	10.5	1.05	10/19/2020 16:02	WG1561303
Hexachlorocyclopentadiene	U		0.0628	5.25	1.05	10/19/2020 16:02	WG1561303
Hexachloroethane	U		0.133	5.25	1.05	10/19/2020 16:02	WG1561303



Collected date/time: 10/12/20 14:50

L1273359

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		0.150	10.5	1.05	10/19/2020 16:02	WG1561303
2-Nitroaniline	U		0.107	5.25	1.05	10/19/2020 16:02	WG1561303
3-Nitroaniline	U		0.0912	5.25	1.05	10/19/2020 16:02	WG1561303
4-Nitroaniline	U		0.0956	5.25	1.05	10/19/2020 16:02	WG1561303
Nitrobenzene	U		0.312	10.5	1.05	10/19/2020 16:02	WG1561303
n-Nitrosodiphenylamine	U		2.49	10.5	1.05	10/19/2020 16:02	WG1561303
n-Nitrosodi-n-propylamine	U		0.274	10.5	1.05	10/19/2020 16:02	WG1561303
Benzylbutyl phthalate	U		0.803	3.15	1.05	10/19/2020 16:02	WG1561303
Bis(2-ethylhexyl)phthalate	U		0.940	3.15	1.05	10/19/2020 16:02	WG1561303
Di-n-butyl phthalate	U		0.476	3.15	1.05	10/19/2020 16:02	WG1561303
Diethyl phthalate	U		0.301	3.15	1.05	10/19/2020 16:02	WG1561303
Dimethyl phthalate	U		0.273	3.15	1.05	10/19/2020 16:02	WG1561303
Di-n-octyl phthalate	U		0.979	3.15	1.05	10/19/2020 16:02	WG1561303
1,2,4,5-Tetrachlorobenzene	U		0.0679	10.5	1.05	10/19/2020 16:02	WG1561303
4-Chloro-3-methylphenol	U		0.138	1.05	1.05	10/19/2020 16:02	WG1561303
2-Chlorophenol	U		0.140	1.05	1.05	10/19/2020 16:02	WG1561303
2-Methylphenol	U		0.0975	1.05	1.05	10/19/2020 16:02	WG1561303
3&4-Methyl Phenol	U		0.176	1.05	1.05	10/19/2020 16:02	WG1561303
2,4-Dichlorophenol	U		0.107	5.25	1.05	10/19/2020 16:02	WG1561303
2,4-Dimethylphenol	U		0.0668	10.5	1.05	10/19/2020 16:02	WG1561303
4,6-Dinitro-2-methylphenol	U		1.18	10.5	1.05	10/19/2020 16:02	WG1561303
2,4-Dinitrophenol	U		6.23	10.5	1.05	10/19/2020 16:02	WG1561303
2-Nitrophenol	U		0.123	1.05	1.05	10/19/2020 16:02	WG1561303
4-Nitrophenol	U		0.150	10.5	1.05	10/19/2020 16:02	WG1561303
Pentachlorophenol	U		0.329	1.05	1.05	10/19/2020 16:02	WG1561303
Phenol	U		4.55	10.5	1.05	10/19/2020 16:02	WG1561303
2,4,5-Trichlorophenol	U		0.114	1.05	1.05	10/19/2020 16:02	WG1561303
2,4,6-Trichlorophenol	U		0.105	1.05	1.05	10/19/2020 16:02	WG1561303
(S) 2-Fluorophenol	29.8			10.0-120		10/19/2020 16:02	WG1561303
(S) Phenol-d5	18.1			10.0-120		10/19/2020 16:02	WG1561303
(S) Nitrobenzene-d5	49.4			10.0-127		10/19/2020 16:02	WG1561303
(S) 2-Fluorobiphenyl	60.5			10.0-130		10/19/2020 16:02	WG1561303
(S) 2,4,6-Tribromophenol	50.0			10.0-155		10/19/2020 16:02	WG1561303
(S) p-Terphenyl-d14	67.3			10.0-128		10/19/2020 16:02	WG1561303

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

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 05:00	WG1561279
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 05:00	WG1561279
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 05:00	WG1561279
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 05:00	WG1561279
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 05:00	WG1561279
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 05:00	WG1561279
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 05:00	WG1561279
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 05:00	WG1561279
Chrysene	U		0.0179	0.0500	1	10/19/2020 05:00	WG1561279
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 05:00	WG1561279
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 05:00	WG1561279
Fluoranthene	U		0.0270	0.100	1	10/19/2020 05:00	WG1561279
Fluorene	U		0.0169	0.0500	1	10/19/2020 05:00	WG1561279
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 05:00	WG1561279
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 05:00	WG1561279
Naphthalene	U		0.0917	0.250	1	10/19/2020 05:00	WG1561279
Phenanthrene	U		0.0180	0.0500	1	10/19/2020 05:00	WG1561279
Pyrene	U		0.0169	0.0500	1	10/19/2020 05:00	WG1561279

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		0.0687	0.250	1	10/19/2020 05:00	WG1561279
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 05:00	WG1561279
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 05:00	WG1561279
(S) Nitrobenzene-d5	95.5			31.0-160		10/19/2020 05:00	WG1561279
(S) 2-Fluorobiphenyl	98.0			48.0-148		10/19/2020 05:00	WG1561279
(S) p-Terphenyl-d14	93.0			37.0-146		10/19/2020 05:00	WG1561279

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:18	WG1560250

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	10/19/2020 15:12	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 08:38	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 08:38	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 08:38	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 08:38	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 08:38	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 08:38	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 08:38	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 08:38	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 08:38	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 08:38	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 08:38	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 08:38	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 08:38	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 08:38	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 08:38	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 08:38	WG1562631
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/21/2020 08:38~~	~~WG1562631~~
Chloroform	U		0.111	0.500	1	10/21/2020 08:38	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 08:38	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 08:38	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 08:38	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 08:38	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 08:38	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 08:38	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 08:38	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 08:38	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 08:38	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 08:38	WG1562631
1,1-Dichloroethane	0.326	J	0.100	0.500	1	10/21/2020 08:38	WG1562631
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 08:38	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 08:38	WG1562631
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 08:38	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 08:38	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 08:38	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 08:38	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 08:38	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 08:38	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 08:38	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 08:38	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 08:38	WG1562631
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 08:38	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 08:38	WG1562631
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 08:38	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 08:38	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 08:38	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 08:38	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 08:38	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 08:38	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 08:38	WG1562631

1 Cp

2 Tc

3 Ss

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7 Gl

8 Al

9 Sc



Collected date/time: 10/12/20 13:42

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 08:38	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 08:38	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 08:38	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 08:38	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 08:38	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 08:38	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 08:38	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 08:38	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 08:38	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 08:38	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 08:38	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 08:38	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 08:38	WG1562631
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 08:38	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 08:38	WG1562631
Trichloroethene	U		0.190	0.500	1	10/21/2020 08:38	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 08:38	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 08:38	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 08:38	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 08:38	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 08:38	WG1562631
Vinyl acetate	U	JG	0.692	5.00	1	10/21/2020 08:38	WG1562631
Vinyl chloride	U		0.234	0.500	1	10/21/2020 08:38	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 08:38	WG1562631
(S) Toluene-d8	110			80.0-120		10/21/2020 08:38	WG1562631
(S) 4-Bromofluorobenzene	98.8			77.0-126		10/21/2020 08:38	WG1562631
(S) 1,2-Dichloroethane-d4	114			70.0-130		10/21/2020 08:38	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/19/2020 17:05	WG1561303
Atrazine	U		0.255	10.0	1	10/19/2020 17:05	WG1561303
Benzaldehyde	U		1.69	10.0	1	10/19/2020 17:05	WG1561303
Biphenyl	U		0.790	10.0	1	10/19/2020 17:05	WG1561303
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/19/2020 17:05	WG1561303
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/19/2020 17:05	WG1561303
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/19/2020 17:05	WG1561303
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/19/2020 17:05	WG1561303
Caprolactam	U		0.309	10.0	1	10/19/2020 17:05	WG1561303
Carbazole	U		0.111	10.0	1	10/19/2020 17:05	WG1561303
4-Chloroaniline	U		0.234	5.00	1	10/19/2020 17:05	WG1561303
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/19/2020 17:05	WG1561303
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/19/2020 17:05	WG1561303
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/19/2020 17:05	WG1561303
2,6-Dinitrotoluene	U		0.250	5.00	1	10/19/2020 17:05	WG1561303
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/19/2020 17:05	WG1561303
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/19/2020 17:05	WG1561303
Hexachloroethane	U		0.127	5.00	1	10/19/2020 17:05	WG1561303
Isophorone	U		0.143	10.0	1	10/19/2020 17:05	WG1561303
2-Nitroaniline	U		0.102	5.00	1	10/19/2020 17:05	WG1561303
3-Nitroaniline	U		0.0869	5.00	1	10/19/2020 17:05	WG1561303
4-Nitroaniline	U		0.0910	5.00	1	10/19/2020 17:05	WG1561303
Nitrobenzene	U		0.297	10.0	1	10/19/2020 17:05	WG1561303
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/19/2020 17:05	WG1561303
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/19/2020 17:05	WG1561303

ACCOUNT:

Arcadis - Chevron - NY

PROJECT:

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10/26/20 23:00

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Collected date/time: 10/12/20 13:42

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/19/2020 17:05	WG1561303
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/19/2020 17:05	WG1561303
Di-n-butyl phthalate	U		0.453	3.00	1	10/19/2020 17:05	WG1561303
Diethyl phthalate	U		0.287	3.00	1	10/19/2020 17:05	WG1561303
Dimethyl phthalate	U		0.260	3.00	1	10/19/2020 17:05	WG1561303
Di-n-octyl phthalate	U		0.932	3.00	1	10/19/2020 17:05	WG1561303
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/19/2020 17:05	WG1561303
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/19/2020 17:05	WG1561303
2-Chlorophenol	U		0.133	1.00	1	10/19/2020 17:05	WG1561303
2-Methylphenol	U		0.0929	1.00	1	10/19/2020 17:05	WG1561303
3&4-Methyl Phenol	U		0.168	1.00	1	10/19/2020 17:05	WG1561303
2,4-Dichlorophenol	U		0.102	5.00	1	10/19/2020 17:05	WG1561303
2,4-Dimethylphenol	U		0.0636	10.0	1	10/19/2020 17:05	WG1561303
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/19/2020 17:05	WG1561303
2,4-Dinitrophenol	U		5.93	10.0	1	10/19/2020 17:05	WG1561303
2-Nitrophenol	U		0.117	1.00	1	10/19/2020 17:05	WG1561303
4-Nitrophenol	U		0.143	10.0	1	10/19/2020 17:05	WG1561303
Pentachlorophenol	U		0.313	1.00	1	10/19/2020 17:05	WG1561303
Phenol	U		4.33	10.0	1	10/19/2020 17:05	WG1561303
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/19/2020 17:05	WG1561303
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/19/2020 17:05	WG1561303
(S) 2-Fluorophenol	30.6			10.0-120		10/19/2020 17:05	WG1561303
(S) Phenol-d5	18.1			10.0-120		10/19/2020 17:05	WG1561303
(S) Nitrobenzene-d5	49.7			10.0-127		10/19/2020 17:05	WG1561303
(S) 2-Fluorobiphenyl	61.9			10.0-130		10/19/2020 17:05	WG1561303
(S) 2,4,6-Tribromophenol	53.0			10.0-155		10/19/2020 17:05	WG1561303
(S) p-Terphenyl-d14	72.5			10.0-128		10/19/2020 17:05	WG1561303

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
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8 Al
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Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 05:20	WG1561279
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 05:20	WG1561279
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 05:20	WG1561279
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 05:20	WG1561279
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 05:20	WG1561279
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 05:20	WG1561279
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 05:20	WG1561279
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 05:20	WG1561279
Chrysene	U		0.0179	0.0500	1	10/19/2020 05:20	WG1561279
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 05:20	WG1561279
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 05:20	WG1561279
Fluoranthene	U		0.0270	0.100	1	10/19/2020 05:20	WG1561279
Fluorene	U		0.0169	0.0500	1	10/19/2020 05:20	WG1561279
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 05:20	WG1561279
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 05:20	WG1561279
Naphthalene	U		0.0917	0.250	1	10/19/2020 05:20	WG1561279
Phenanthrene	U		0.0180	0.0500	1	10/19/2020 05:20	WG1561279
Pyrene	U		0.0169	0.0500	1	10/19/2020 05:20	WG1561279
1-Methylnaphthalene	U		0.0687	0.250	1	10/19/2020 05:20	WG1561279
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 05:20	WG1561279
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 05:20	WG1561279
(S) Nitrobenzene-d5	100			31.0-160		10/19/2020 05:20	WG1561279
(S) 2-Fluorobiphenyl	103			48.0-148		10/19/2020 05:20	WG1561279
(S) p-Terphenyl-d14	102			37.0-146		10/19/2020 05:20	WG1561279



Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:22	WG1560250

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	10/19/2020 15:35	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 08:58	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 08:58	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 08:58	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 08:58	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 08:58	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 08:58	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 08:58	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 08:58	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 08:58	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 08:58	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 08:58	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 08:58	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 08:58	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 08:58	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 08:58	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 08:58	WG1562631
~~2-Chloroethyl vinyl Ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/21/2020 08:58~~	~~WG1562631~~
Chloroform	0.153	J	0.111	0.500	1	10/21/2020 08:58	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 08:58	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 08:58	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 08:58	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 08:58	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 08:58	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 08:58	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 08:58	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 08:58	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 08:58	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 08:58	WG1562631
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2020 08:58	WG1562631
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 08:58	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 08:58	WG1562631
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 08:58	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 08:58	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 08:58	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 08:58	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 08:58	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 08:58	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 08:58	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 08:58	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 08:58	WG1562631
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 08:58	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 08:58	WG1562631
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 08:58	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 08:58	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 08:58	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 08:58	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 08:58	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 08:58	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 08:58	WG1562631

1 Cp

2 Tc

3 Ss

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6 Qc

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9 Sc



Collected date/time: 10/12/20 13:20

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 08:58	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 08:58	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 08:58	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 08:58	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 08:58	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 08:58	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 08:58	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 08:58	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 08:58	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 08:58	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 08:58	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 08:58	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 08:58	WG1562631
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 08:58	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 08:58	WG1562631
Trichloroethene	U		0.190	0.500	1	10/21/2020 08:58	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 08:58	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 08:58	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 08:58	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 08:58	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 08:58	WG1562631
Vinyl acetate	U	~~LO~~	0.692	5.00	1	10/21/2020 08:58	WG1562631
Vinyl chloride	U		0.234	0.500	1	10/21/2020 08:58	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 08:58	WG1562631
(S) Toluene-d8	110			80.0-120		10/21/2020 08:58	WG1562631
(S) 4-Bromofluorobenzene	96.2			77.0-126		10/21/2020 08:58	WG1562631
(S) 1,2-Dichloroethane-d4	112			70.0-130		10/21/2020 08:58	WG1562631

1 Cp

2 Tc

3 Ss

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5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/19/2020 19:10	WG1561303
Atrazine	U		0.255	10.0	1	10/19/2020 19:10	WG1561303
Benzaldehyde	U		1.69	10.0	1	10/19/2020 19:10	WG1561303
Biphenyl	U		0.790	10.0	1	10/19/2020 19:10	WG1561303
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/19/2020 19:10	WG1561303
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/19/2020 19:10	WG1561303
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/19/2020 19:10	WG1561303
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/19/2020 19:10	WG1561303
Caprolactam	U		0.309	10.0	1	10/19/2020 19:10	WG1561303
Carbazole	U		0.111	10.0	1	10/19/2020 19:10	WG1561303
4-Chloroaniline	U		0.234	5.00	1	10/19/2020 19:10	WG1561303
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/19/2020 19:10	WG1561303
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/19/2020 19:10	WG1561303
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/19/2020 19:10	WG1561303
2,6-Dinitrotoluene	U		0.250	5.00	1	10/19/2020 19:10	WG1561303
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/19/2020 19:10	WG1561303
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/19/2020 19:10	WG1561303
Hexachloroethane	U		0.127	5.00	1	10/19/2020 19:10	WG1561303
Isophorone	U		0.143	10.0	1	10/19/2020 19:10	WG1561303
2-Nitroaniline	U		0.102	5.00	1	10/19/2020 19:10	WG1561303
3-Nitroaniline	U		0.0869	5.00	1	10/19/2020 19:10	WG1561303
4-Nitroaniline	U		0.0910	5.00	1	10/19/2020 19:10	WG1561303
Nitrobenzene	U		0.297	10.0	1	10/19/2020 19:10	WG1561303
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/19/2020 19:10	WG1561303
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/19/2020 19:10	WG1561303

ACCOUNT:

Arcadis - Chevron - NY

PROJECT:

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10/26/20 23:00

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Collected date/time: 10/12/20 13:20

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/19/2020 19:10	WG1561303
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/19/2020 19:10	WG1561303
Di-n-butyl phthalate	U		0.453	3.00	1	10/19/2020 19:10	WG1561303
Diethyl phthalate	U		0.287	3.00	1	10/19/2020 19:10	WG1561303
Dimethyl phthalate	U		0.260	3.00	1	10/19/2020 19:10	WG1561303
Di-n-octyl phthalate	U		0.932	3.00	1	10/19/2020 19:10	WG1561303
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/19/2020 19:10	WG1561303
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/19/2020 19:10	WG1561303
2-Chlorophenol	U		0.133	1.00	1	10/19/2020 19:10	WG1561303
2-Methylphenol	U		0.0929	1.00	1	10/19/2020 19:10	WG1561303
3&4-Methyl Phenol	U		0.168	1.00	1	10/19/2020 19:10	WG1561303
2,4-Dichlorophenol	U		0.102	5.00	1	10/19/2020 19:10	WG1561303
2,4-Dimethylphenol	U		0.0636	10.0	1	10/19/2020 19:10	WG1561303
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/19/2020 19:10	WG1561303
2,4-Dinitrophenol	U		5.93	10.0	1	10/19/2020 19:10	WG1561303
2-Nitrophenol	U		0.117	1.00	1	10/19/2020 19:10	WG1561303
4-Nitrophenol	U		0.143	10.0	1	10/19/2020 19:10	WG1561303
Pentachlorophenol	U		0.313	1.00	1	10/19/2020 19:10	WG1561303
Phenol	U		4.33	10.0	1	10/19/2020 19:10	WG1561303
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/19/2020 19:10	WG1561303
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/19/2020 19:10	WG1561303
(S) 2-Fluorophenol	27.9			10.0-120		10/19/2020 19:10	WG1561303
(S) Phenol-d5	17.6			10.0-120		10/19/2020 19:10	WG1561303
(S) Nitrobenzene-d5	46.8			10.0-127		10/19/2020 19:10	WG1561303
(S) 2-Fluorobiphenyl	55.3			10.0-130		10/19/2020 19:10	WG1561303
(S) 2,4,6-Tribromophenol	55.5			10.0-155		10/19/2020 19:10	WG1561303
(S) p-Terphenyl-d14	71.6			10.0-128		10/19/2020 19:10	WG1561303

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 05:40	WG1561279
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 05:40	WG1561279
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 05:40	WG1561279
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 05:40	WG1561279
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 05:40	WG1561279
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 05:40	WG1561279
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 05:40	WG1561279
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 05:40	WG1561279
Chrysene	U		0.0179	0.0500	1	10/19/2020 05:40	WG1561279
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 05:40	WG1561279
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 05:40	WG1561279
Fluoranthene	U		0.0270	0.100	1	10/19/2020 05:40	WG1561279
Fluorene	U		0.0169	0.0500	1	10/19/2020 05:40	WG1561279
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 05:40	WG1561279
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 05:40	WG1561279
Naphthalene	U		0.0917	0.250	1	10/19/2020 05:40	WG1561279
Phenanthrene	U		0.0180	0.0500	1	10/19/2020 05:40	WG1561279
Pyrene	U		0.0169	0.0500	1	10/19/2020 05:40	WG1561279
1-Methylnaphthalene	U		0.0687	0.250	1	10/19/2020 05:40	WG1561279
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 05:40	WG1561279
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 05:40	WG1561279
(S) Nitrobenzene-d5	102			31.0-160		10/19/2020 05:40	WG1561279
(S) 2-Fluorobiphenyl	100			48.0-148		10/19/2020 05:40	WG1561279
(S) p-Terphenyl-d14	103			37.0-146		10/19/2020 05:40	WG1561279



Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 16:55	WG1560250

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	10/19/2020 15:59	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 10:05	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 10:05	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 10:05	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 10:05	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 10:05	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 10:05	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 10:05	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 10:05	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 10:05	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 10:05	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 10:05	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 10:05	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 10:05	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 10:05	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 10:05	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 10:05	WG1562631
~~2-Chloroethyl vinyl ether~~	~~U~~	~~J6~~	~~0.575~~	~~50.0~~	~~1~~	~~10/21/2020 10:05~~	~~WG1562631~~
Chloroform	U		0.111	0.500	1	10/21/2020 10:05	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 10:05	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 10:05	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 10:05	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 10:05	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 10:05	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 10:05	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 10:05	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 10:05	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 10:05	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 10:05	WG1562631
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2020 10:05	WG1562631
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 10:05	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 10:05	WG1562631
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 10:05	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 10:05	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 10:05	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 10:05	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 10:05	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 10:05	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 10:05	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 10:05	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 10:05	WG1562631
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 10:05	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 10:05	WG1562631
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 10:05	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 10:05	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 10:05	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 10:05	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 10:05	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 10:05	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 10:05	WG1562631

1 Cp

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Collected date/time: 10/13/20 11:12

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 10:05	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 10:05	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 10:05	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 10:05	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 10:05	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 10:05	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 10:05	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 10:05	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 10:05	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 10:05	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 10:05	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 10:05	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 10:05	WG1562631
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 10:05	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 10:05	WG1562631
Trichloroethene	U		0.190	0.500	1	10/21/2020 10:05	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 10:05	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 10:05	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 10:05	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 10:05	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 10:05	WG1562631
Vinyl acetate	U	~~JO J5~~	0.692	5.00	1	10/21/2020 10:05	WG1562631
Vinyl chloride	U	~~J5~~	0.234	0.500	1	10/21/2020 10:05	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 10:05	WG1562631
(S) Toluene-d8	106			80.0-120		10/21/2020 10:05	WG1562631
(S) 4-Bromofluorobenzene	98.6			77.0-126		10/21/2020 10:05	WG1562631
(S) 1,2-Dichloroethane-d4	119			70.0-130		10/21/2020 10:05	WG1562631

1 Cp

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3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/20/2020 06:30	WG1561304
Atrazine	U		0.255	10.0	1	10/20/2020 06:30	WG1561304
Benzaldehyde	U		1.69	10.0	1	10/20/2020 06:30	WG1561304
Biphenyl	U		0.790	10.0	1	10/20/2020 06:30	WG1561304
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/20/2020 06:30	WG1561304
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/20/2020 06:30	WG1561304
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/20/2020 06:30	WG1561304
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/20/2020 06:30	WG1561304
Caprolactam	U		0.309	10.0	1	10/20/2020 06:30	WG1561304
Carbazole	U		0.111	10.0	1	10/20/2020 06:30	WG1561304
4-Chloroaniline	U		0.234	5.00	1	10/20/2020 06:30	WG1561304
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/20/2020 06:30	WG1561304
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/20/2020 06:30	WG1561304
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/20/2020 06:30	WG1561304
2,6-Dinitrotoluene	U		0.250	5.00	1	10/20/2020 06:30	WG1561304
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/20/2020 06:30	WG1561304
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/20/2020 06:30	WG1561304
Hexachloroethane	U		0.127	5.00	1	10/20/2020 06:30	WG1561304
Isophorone	U		0.143	10.0	1	10/20/2020 06:30	WG1561304
2-Nitroaniline	U		0.102	5.00	1	10/20/2020 06:30	WG1561304
3-Nitroaniline	U		0.0869	5.00	1	10/20/2020 06:30	WG1561304
4-Nitroaniline	U		0.0910	5.00	1	10/20/2020 06:30	WG1561304
Nitrobenzene	U		0.297	10.0	1	10/20/2020 06:30	WG1561304
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/20/2020 06:30	WG1561304
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/20/2020 06:30	WG1561304

ACCOUNT:

Arcadis - Chevron - NY

PROJECT:

30043615

SDG:

L1273359

DATE/TIME:

10/26/20 23:00

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Collected date/time: 10/13/20 11:12

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/20/2020 06:30	WG1561304
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/20/2020 06:30	WG1561304
Di-n-butyl phthalate	U		0.453	3.00	1	10/20/2020 06:30	WG1561304
Diethyl phthalate	U		0.287	3.00	1	10/20/2020 06:30	WG1561304
Dimethyl phthalate	U		0.260	3.00	1	10/20/2020 06:30	WG1561304
Di-n-octyl phthalate	U		0.932	3.00	1	10/20/2020 06:30	WG1561304
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/20/2020 06:30	WG1561304
4-Chloro-3-methylphenol	U	J3	0.131	1.00	UJ	10/20/2020 06:30	WG1561304
2-Chlorophenol	U		0.133	1.00	1	10/20/2020 06:30	WG1561304
2-Methylphenol	U		0.0929	1.00	1	10/20/2020 06:30	WG1561304
3&4-Methyl Phenol	U		0.168	1.00	1	10/20/2020 06:30	WG1561304
2,4-Dichlorophenol	U		0.102	5.00	1	10/20/2020 06:30	WG1561304
2,4-Dimethylphenol	U		0.0636	10.0	1	10/20/2020 06:30	WG1561304
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/20/2020 06:30	WG1561304
2,4-Dinitrophenol	U		5.93	10.0	1	10/20/2020 06:30	WG1561304
2-Nitrophenol	U		0.117	1.00	1	10/20/2020 06:30	WG1561304
4-Nitrophenol	U		0.143	10.0	1	10/20/2020 06:30	WG1561304
Pentachlorophenol	U		0.313	1.00	1	10/20/2020 06:30	WG1561304
Phenol	U		4.33	10.0	1	10/20/2020 06:30	WG1561304
2,4,5-Trichlorophenol	U	J3	0.109	1.00	UJ	10/20/2020 06:30	WG1561304
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/20/2020 06:30	WG1561304
(S) 2-Fluorophenol	44.2			10.0-120		10/20/2020 06:30	WG1561304
(S) Phenol-d5	27.9			10.0-120		10/20/2020 06:30	WG1561304
(S) Nitrobenzene-d5	69.2			10.0-127		10/20/2020 06:30	WG1561304
(S) 2-Fluorobiphenyl	80.0			10.0-130		10/20/2020 06:30	WG1561304
(S) 2,4,6-Tribromophenol	72.0			10.0-155		10/20/2020 06:30	WG1561304
(S) p-Terphenyl-d14	79.7			10.0-128		10/20/2020 06:30	WG1561304

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U	J3	0.0190	0.0500	1	10/19/2020 17:49	WG1561281
Acenaphthene	U	J3	0.0190	0.0500	UJ	10/19/2020 17:49	WG1561281
Acenaphthylene	U	J3	0.0171	0.0500	1	10/19/2020 17:49	WG1561281
Benzo(a)anthracene	U	J3	0.0203	0.0500	1	10/19/2020 17:49	WG1561281
Benzo(a)pyrene	0.0188	JJ3	0.0184	0.0500	1	10/19/2020 17:49	WG1561281
Benzo(b)fluoranthene	0.0354	J	0.0168	0.0500	1	10/19/2020 17:49	WG1561281
Benzo(g,h,i)perylene	0.0302	J	0.0184	0.0500	1	10/19/2020 17:49	WG1561281
Benzo(k)fluoranthene	U	J3	0.0202	0.0500	UJ	10/19/2020 17:49	WG1561281
Chrysene	0.0211	J	0.0179	0.0500	1	10/19/2020 17:49	WG1561281
Dibenz(a,h)anthracene	U	J3	0.0160	0.0500	1	10/19/2020 17:49	WG1561281
Dibenzofuran	U	J3	0.0191	0.0500	UJ	10/19/2020 17:49	WG1561281
Fluoranthene	0.0439	J	0.0270	0.100	1	10/19/2020 17:49	WG1561281
Fluorene	U	J3	0.0169	0.0500	UJ	10/19/2020 17:49	WG1561281
Hexachlorobenzene	U	J3	0.00670	0.0500	1	10/19/2020 17:49	WG1561281
Indeno(1,2,3-cd)pyrene	0.0301	J	0.0158	0.0500	1	10/19/2020 17:49	WG1561281
Naphthalene	U	J3	0.0917	0.250	UJ	10/19/2020 17:49	WG1561281
Phenanthrene	0.0205	J	0.0180	0.0500	1	10/19/2020 17:49	WG1561281
Pyrene	0.0349	J	0.0169	0.0500	1	10/19/2020 17:49	WG1561281
1-Methylnaphthalene	U	J3	0.0687	0.250	1	10/19/2020 17:49	WG1561281
2-Methylnaphthalene	U	J3	0.0674	0.250	UJ	10/19/2020 17:49	WG1561281
2-Chloronaphthalene	U	J3	0.0682	0.250	1	10/19/2020 17:49	WG1561281
(S) Nitrobenzene-d5	99.5			31.0-160		10/19/2020 17:49	WG1561281
(S) 2-Fluorobiphenyl	103			48.0-148		10/19/2020 17:49	WG1561281
(S) p-Terphenyl-d14	94.2			37.0-146		10/19/2020 17:49	WG1561281

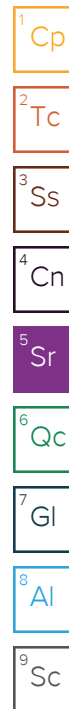


Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:42	WG1560250

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	10/19/2020 16:22	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 10:24	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 10:24	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 10:24	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 10:24	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 10:24	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 10:24	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 10:24	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 10:24	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 10:24	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 10:24	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 10:24	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 10:24	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 10:24	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 10:24	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 10:24	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 10:24	WG1562631
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/21/2020 10:24~~	~~WG1562631~~ R
Chloroform	U		0.111	0.500	1	10/21/2020 10:24	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 10:24	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 10:24	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 10:24	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 10:24	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 10:24	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 10:24	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 10:24	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 10:24	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 10:24	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 10:24	WG1562631
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2020 10:24	WG1562631
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 10:24	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 10:24	WG1562631
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 10:24	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 10:24	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 10:24	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 10:24	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 10:24	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 10:24	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 10:24	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 10:24	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 10:24	WG1562631
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 10:24	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 10:24	WG1562631
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 10:24	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 10:24	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 10:24	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 10:24	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 10:24	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 10:24	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 10:24	WG1562631





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 10:24	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 10:24	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 10:24	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 10:24	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 10:24	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 10:24	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 10:24	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 10:24	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 10:24	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 10:24	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 10:24	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 10:24	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 10:24	WG1562631
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 10:24	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 10:24	WG1562631
Trichloroethene	U		0.190	0.500	1	10/21/2020 10:24	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 10:24	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 10:24	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 10:24	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 10:24	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 10:24	WG1562631
Vinyl acetate	U	☞	0.692	5.00	1	10/21/2020 10:24	WG1562631
Vinyl chloride	U		0.234	0.500	1	10/21/2020 10:24	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 10:24	WG1562631
(S) Toluene-d8	110			80.0-120		10/21/2020 10:24	WG1562631
(S) 4-Bromofluorobenzene	99.2			77.0-126		10/21/2020 10:24	WG1562631
(S) 1,2-Dichloroethane-d4	117			70.0-130		10/21/2020 10:24	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/20/2020 06:51	WG1561304
Atrazine	U		0.255	10.0	1	10/20/2020 06:51	WG1561304
Benzaldehyde	U		1.69	10.0	1	10/20/2020 06:51	WG1561304
Biphenyl	U		0.790	10.0	1	10/20/2020 06:51	WG1561304
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/20/2020 06:51	WG1561304
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/20/2020 06:51	WG1561304
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/20/2020 06:51	WG1561304
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/20/2020 06:51	WG1561304
Caprolactam	U		0.309	10.0	1	10/20/2020 06:51	WG1561304
Carbazole	U		0.111	10.0	1	10/20/2020 06:51	WG1561304
4-Chloroaniline	U		0.234	5.00	1	10/20/2020 06:51	WG1561304
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/20/2020 06:51	WG1561304
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/20/2020 06:51	WG1561304
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/20/2020 06:51	WG1561304
2,6-Dinitrotoluene	U		0.250	5.00	1	10/20/2020 06:51	WG1561304
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/20/2020 06:51	WG1561304
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/20/2020 06:51	WG1561304
Hexachloroethane	U		0.127	5.00	1	10/20/2020 06:51	WG1561304
Isophorone	U		0.143	10.0	1	10/20/2020 06:51	WG1561304
2-Nitroaniline	U		0.102	5.00	1	10/20/2020 06:51	WG1561304
3-Nitroaniline	U		0.0869	5.00	1	10/20/2020 06:51	WG1561304
4-Nitroaniline	U		0.0910	5.00	1	10/20/2020 06:51	WG1561304
Nitrobenzene	U		0.297	10.0	1	10/20/2020 06:51	WG1561304
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/20/2020 06:51	WG1561304
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/20/2020 06:51	WG1561304



Collected date/time: 10/13/20 10:15

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/20/2020 06:51	WG1561304
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/20/2020 06:51	WG1561304
Di-n-butyl phthalate	U		0.453	3.00	1	10/20/2020 06:51	WG1561304
Diethyl phthalate	U		0.287	3.00	1	10/20/2020 06:51	WG1561304
Dimethyl phthalate	U		0.260	3.00	1	10/20/2020 06:51	WG1561304
Di-n-octyl phthalate	U		0.932	3.00	1	10/20/2020 06:51	WG1561304
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/20/2020 06:51	WG1561304
4-Chloro-3-methylphenol	U	3	0.131	1.00 UJ	1	10/20/2020 06:51	WG1561304
2-Chlorophenol	U		0.133	1.00	1	10/20/2020 06:51	WG1561304
2-Methylphenol	U		0.0929	1.00	1	10/20/2020 06:51	WG1561304
3&4-Methyl Phenol	U		0.168	1.00	1	10/20/2020 06:51	WG1561304
2,4-Dichlorophenol	U		0.102	5.00	1	10/20/2020 06:51	WG1561304
2,4-Dimethylphenol	U		0.0636	10.0	1	10/20/2020 06:51	WG1561304
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/20/2020 06:51	WG1561304
2,4-Dinitrophenol	U		5.93	10.0	1	10/20/2020 06:51	WG1561304
2-Nitrophenol	U		0.117	1.00	1	10/20/2020 06:51	WG1561304
4-Nitrophenol	U		0.143	10.0	1	10/20/2020 06:51	WG1561304
Pentachlorophenol	U		0.313	1.00	1	10/20/2020 06:51	WG1561304
Phenol	U		4.33	10.0	1	10/20/2020 06:51	WG1561304
2,4,5-Trichlorophenol	U	3	0.109	1.00 UJ	1	10/20/2020 06:51	WG1561304
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/20/2020 06:51	WG1561304
(S) 2-Fluorophenol	37.6			10.0-120		10/20/2020 06:51	WG1561304
(S) Phenol-d5	23.5			10.0-120		10/20/2020 06:51	WG1561304
(S) Nitrobenzene-d5	57.9			10.0-127		10/20/2020 06:51	WG1561304
(S) 2-Fluorobiphenyl	69.7			10.0-130		10/20/2020 06:51	WG1561304
(S) 2,4,6-Tribromophenol	58.5			10.0-155		10/20/2020 06:51	WG1561304
(S) p-Terphenyl-d14	70.0			10.0-128		10/20/2020 06:51	WG1561304

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 18:41	WG1561281
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 18:41	WG1561281
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 18:41	WG1561281
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 18:41	WG1561281
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 18:41	WG1561281
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 18:41	WG1561281
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 18:41	WG1561281
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 18:41	WG1561281
Chrysene	U		0.0179	0.0500	1	10/19/2020 18:41	WG1561281
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 18:41	WG1561281
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 18:41	WG1561281
Fluoranthene	U		0.0270	0.100	1	10/19/2020 18:41	WG1561281
Fluorene	U		0.0169	0.0500	1	10/19/2020 18:41	WG1561281
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 18:41	WG1561281
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 18:41	WG1561281
Naphthalene	U		0.0917	0.250	1	10/19/2020 18:41	WG1561281
Phenanthrene	0.0346	U	0.0180	0.0500	1	10/19/2020 18:41	WG1561281
Pyrene	U		0.0169	0.0500	1	10/19/2020 18:41	WG1561281
1-Methylnaphthalene	U		0.0687	0.250	1	10/19/2020 18:41	WG1561281
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 18:41	WG1561281
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 18:41	WG1561281
(S) Nitrobenzene-d5	105			31.0-160		10/19/2020 18:41	WG1561281
(S) 2-Fluorobiphenyl	103			48.0-148		10/19/2020 18:41	WG1561281
(S) p-Terphenyl-d14	96.3			37.0-146		10/19/2020 18:41	WG1561281



Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:46	WG1560250

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	10/19/2020 16:46	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 10:43	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 10:43	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 10:43	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 10:43	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 10:43	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 10:43	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 10:43	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 10:43	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 10:43	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 10:43	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 10:43	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 10:43	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 10:43	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 10:43	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 10:43	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 10:43	WG1562631
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/21/2020 10:43~~	~~WG1562631~~
Chloroform	0.182	J	0.111	0.500	1	10/21/2020 10:43	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 10:43	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 10:43	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 10:43	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 10:43	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 10:43	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 10:43	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 10:43	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 10:43	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 10:43	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 10:43	WG1562631
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2020 10:43	WG1562631
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 10:43	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 10:43	WG1562631
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 10:43	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 10:43	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 10:43	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 10:43	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 10:43	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 10:43	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 10:43	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 10:43	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 10:43	WG1562631
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 10:43	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 10:43	WG1562631
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 10:43	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 10:43	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 10:43	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 10:43	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 10:43	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 10:43	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 10:43	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

R



Collected date/time: 10/12/20 00:00

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 10:43	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 10:43	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 10:43	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 10:43	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 10:43	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 10:43	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 10:43	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 10:43	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 10:43	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 10:43	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 10:43	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 10:43	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 10:43	WG1562631
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 10:43	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 10:43	WG1562631
Trichloroethene	U		0.190	0.500	1	10/21/2020 10:43	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 10:43	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 10:43	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 10:43	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 10:43	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 10:43	WG1562631
Vinyl acetate	U	☞	0.692	5.00	1	10/21/2020 10:43	WG1562631
Vinyl chloride	U		0.234	0.500	1	10/21/2020 10:43	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 10:43	WG1562631
(S) Toluene-d8	109			80.0-120		10/21/2020 10:43	WG1562631
(S) 4-Bromofluorobenzene	95.5			77.0-126		10/21/2020 10:43	WG1562631
(S) 1,2-Dichloroethane-d4	118			70.0-130		10/21/2020 10:43	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/19/2020 19:31	WG1561303
Atrazine	U		0.255	10.0	1	10/19/2020 19:31	WG1561303
Benzaldehyde	U		1.69	10.0	1	10/19/2020 19:31	WG1561303
Biphenyl	U		0.790	10.0	1	10/19/2020 19:31	WG1561303
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/19/2020 19:31	WG1561303
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/19/2020 19:31	WG1561303
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/19/2020 19:31	WG1561303
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/19/2020 19:31	WG1561303
Caprolactam	U		0.309	10.0	1	10/19/2020 19:31	WG1561303
Carbazole	U		0.111	10.0	1	10/19/2020 19:31	WG1561303
4-Chloroaniline	U		0.234	5.00	1	10/19/2020 19:31	WG1561303
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/19/2020 19:31	WG1561303
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/19/2020 19:31	WG1561303
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/19/2020 19:31	WG1561303
2,6-Dinitrotoluene	U		0.250	5.00	1	10/19/2020 19:31	WG1561303
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/19/2020 19:31	WG1561303
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/19/2020 19:31	WG1561303
Hexachloroethane	U		0.127	5.00	1	10/19/2020 19:31	WG1561303
Isophorone	U		0.143	10.0	1	10/19/2020 19:31	WG1561303
2-Nitroaniline	U		0.102	5.00	1	10/19/2020 19:31	WG1561303
3-Nitroaniline	U		0.0869	5.00	1	10/19/2020 19:31	WG1561303
4-Nitroaniline	U		0.0910	5.00	1	10/19/2020 19:31	WG1561303
Nitrobenzene	U		0.297	10.0	1	10/19/2020 19:31	WG1561303
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/19/2020 19:31	WG1561303
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/19/2020 19:31	WG1561303

ACCOUNT:

Arcadis - Chevron - NY

PROJECT:

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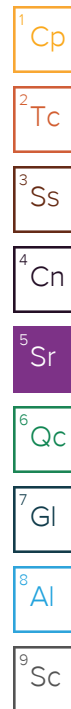


Collected date/time: 10/12/20 00:00

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/19/2020 19:31	WG1561303
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/19/2020 19:31	WG1561303
Di-n-butyl phthalate	U		0.453	3.00	1	10/19/2020 19:31	WG1561303
Diethyl phthalate	U		0.287	3.00	1	10/19/2020 19:31	WG1561303
Dimethyl phthalate	U		0.260	3.00	1	10/19/2020 19:31	WG1561303
Di-n-octyl phthalate	U		0.932	3.00	1	10/19/2020 19:31	WG1561303
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/19/2020 19:31	WG1561303
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/19/2020 19:31	WG1561303
2-Chlorophenol	U		0.133	1.00	1	10/19/2020 19:31	WG1561303
2-Methylphenol	U		0.0929	1.00	1	10/19/2020 19:31	WG1561303
3&4-Methyl Phenol	U		0.168	1.00	1	10/19/2020 19:31	WG1561303
2,4-Dichlorophenol	U		0.102	5.00	1	10/19/2020 19:31	WG1561303
2,4-Dimethylphenol	U		0.0636	10.0	1	10/19/2020 19:31	WG1561303
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/19/2020 19:31	WG1561303
2,4-Dinitrophenol	U		5.93	10.0	1	10/19/2020 19:31	WG1561303
2-Nitrophenol	U		0.117	1.00	1	10/19/2020 19:31	WG1561303
4-Nitrophenol	U		0.143	10.0	1	10/19/2020 19:31	WG1561303
Pentachlorophenol	U		0.313	1.00	1	10/19/2020 19:31	WG1561303
Phenol	U		4.33	10.0	1	10/19/2020 19:31	WG1561303
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/19/2020 19:31	WG1561303
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/19/2020 19:31	WG1561303
(S) 2-Fluorophenol	24.9			10.0-120		10/19/2020 19:31	WG1561303
(S) Phenol-d5	15.8			10.0-120		10/19/2020 19:31	WG1561303
(S) Nitrobenzene-d5	39.0			10.0-127		10/19/2020 19:31	WG1561303
(S) 2-Fluorobiphenyl	54.1			10.0-130		10/19/2020 19:31	WG1561303
(S) 2,4,6-Tribromophenol	45.3			10.0-155		10/19/2020 19:31	WG1561303
(S) p-Terphenyl-d14	75.1			10.0-128		10/19/2020 19:31	WG1561303



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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 06:00	WG1561279
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 06:00	WG1561279
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 06:00	WG1561279
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 06:00	WG1561279
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 06:00	WG1561279
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 06:00	WG1561279
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 06:00	WG1561279
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 06:00	WG1561279
Chrysene	U		0.0179	0.0500	1	10/19/2020 06:00	WG1561279
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 06:00	WG1561279
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 06:00	WG1561279
Fluoranthene	U		0.0270	0.100	1	10/19/2020 06:00	WG1561279
Fluorene	U		0.0169	0.0500	1	10/19/2020 06:00	WG1561279
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 06:00	WG1561279
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 06:00	WG1561279
Naphthalene	U		0.0917	0.250	1	10/19/2020 06:00	WG1561279
Phenanthrene	U		0.0180	0.0500	1	10/19/2020 06:00	WG1561279
Pyrene	U		0.0169	0.0500	1	10/19/2020 06:00	WG1561279
1-Methylnaphthalene	U		0.0687	0.250	1	10/19/2020 06:00	WG1561279
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 06:00	WG1561279
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 06:00	WG1561279
(S) Nitrobenzene-d5	98.5			31.0-160		10/19/2020 06:00	WG1561279
(S) 2-Fluorobiphenyl	98.0			48.0-148		10/19/2020 06:00	WG1561279
(S) p-Terphenyl-d14	99.0			37.0-146		10/19/2020 06:00	WG1561279



Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:50	WG1560250

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	10/19/2020 17:09	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 07:18	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 07:18	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 07:18	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 07:18	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 07:18	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 07:18	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 07:18	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 07:18	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 07:18	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 07:18	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 07:18	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 07:18	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 07:18	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 07:18	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 07:18	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 07:18	WG1562631
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/21/2020 07:18~~	~~WG1562631~~
Chloroform	U		0.111	0.500	1	10/21/2020 07:18	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 07:18	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 07:18	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 07:18	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 07:18	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 07:18	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 07:18	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 07:18	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 07:18	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 07:18	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 07:18	WG1562631
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2020 07:18	WG1562631
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 07:18	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 07:18	WG1562631
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 07:18	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 07:18	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 07:18	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 07:18	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 07:18	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 07:18	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 07:18	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 07:18	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 07:18	WG1562631
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 07:18	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 07:18	WG1562631
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 07:18	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 07:18	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 07:18	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 07:18	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 07:18	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 07:18	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 07:18	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

R



Collected date/time: 10/13/20 16:40

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 07:18	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 07:18	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 07:18	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 07:18	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 07:18	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 07:18	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 07:18	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 07:18	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 07:18	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 07:18	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 07:18	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 07:18	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 07:18	WG1562631
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 07:18	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 07:18	WG1562631
Trichloroethene	U		0.190	0.500	1	10/21/2020 07:18	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 07:18	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 07:18	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 07:18	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 07:18	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 07:18	WG1562631
Vinyl acetate	U	JG	0.692	5.00	1	10/21/2020 07:18	WG1562631
Vinyl chloride	U		0.234	0.500	1	10/21/2020 07:18	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 07:18	WG1562631
(S) Toluene-d8	110			80.0-120		10/21/2020 07:18	WG1562631
(S) 4-Bromofluorobenzene	99.4			77.0-126		10/21/2020 07:18	WG1562631
(S) 1,2-Dichloroethane-d4	115			70.0-130		10/21/2020 07:18	WG1562631

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

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/20/2020 07:13	WG1561304
Atrazine	U		0.255	10.0	1	10/20/2020 07:13	WG1561304
Benzaldehyde	U		1.69	10.0	1	10/20/2020 07:13	WG1561304
Biphenyl	U		0.790	10.0	1	10/20/2020 07:13	WG1561304
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/20/2020 07:13	WG1561304
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/20/2020 07:13	WG1561304
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/20/2020 07:13	WG1561304
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/20/2020 07:13	WG1561304
Caprolactam	U		0.309	10.0	1	10/20/2020 07:13	WG1561304
Carbazole	U		0.111	10.0	1	10/20/2020 07:13	WG1561304
4-Chloroaniline	U		0.234	5.00	1	10/20/2020 07:13	WG1561304
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/20/2020 07:13	WG1561304
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/20/2020 07:13	WG1561304
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/20/2020 07:13	WG1561304
2,6-Dinitrotoluene	U		0.250	5.00	1	10/20/2020 07:13	WG1561304
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/20/2020 07:13	WG1561304
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/20/2020 07:13	WG1561304
Hexachloroethane	U		0.127	5.00	1	10/20/2020 07:13	WG1561304
Isophorone	U		0.143	10.0	1	10/20/2020 07:13	WG1561304
2-Nitroaniline	U		0.102	5.00	1	10/20/2020 07:13	WG1561304
3-Nitroaniline	U		0.0869	5.00	1	10/20/2020 07:13	WG1561304
4-Nitroaniline	U		0.0910	5.00	1	10/20/2020 07:13	WG1561304
Nitrobenzene	U		0.297	10.0	1	10/20/2020 07:13	WG1561304
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/20/2020 07:13	WG1561304
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/20/2020 07:13	WG1561304



Collected date/time: 10/13/20 16:40

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/20/2020 07:13	WG1561304
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/20/2020 07:13	WG1561304
Di-n-butyl phthalate	U		0.453	3.00	1	10/20/2020 07:13	WG1561304
Diethyl phthalate	U		0.287	3.00	1	10/20/2020 07:13	WG1561304
Dimethyl phthalate	U		0.260	3.00	1	10/20/2020 07:13	WG1561304
Di-n-octyl phthalate	U		0.932	3.00	1	10/20/2020 07:13	WG1561304
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/20/2020 07:13	WG1561304
4-Chloro-3-methylphenol	U	J3	0.131	1.00 UJ	1	10/20/2020 07:13	WG1561304
2-Chlorophenol	U		0.133	1.00	1	10/20/2020 07:13	WG1561304
2-Methylphenol	U		0.0929	1.00	1	10/20/2020 07:13	WG1561304
3&4-Methyl Phenol	U		0.168	1.00	1	10/20/2020 07:13	WG1561304
2,4-Dichlorophenol	U		0.102	5.00	1	10/20/2020 07:13	WG1561304
2,4-Dimethylphenol	U		0.0636	10.0	1	10/20/2020 07:13	WG1561304
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/20/2020 07:13	WG1561304
2,4-Dinitrophenol	U		5.93	10.0	1	10/20/2020 07:13	WG1561304
2-Nitrophenol	U		0.117	1.00	1	10/20/2020 07:13	WG1561304
4-Nitrophenol	U		0.143	10.0	1	10/20/2020 07:13	WG1561304
Pentachlorophenol	U		0.313	1.00	1	10/20/2020 07:13	WG1561304
Phenol	U		4.33	10.0	1	10/20/2020 07:13	WG1561304
2,4,5-Trichlorophenol	U	J3	0.109	1.00 UJ	1	10/20/2020 07:13	WG1561304
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/20/2020 07:13	WG1561304
(S) 2-Fluorophenol	38.5			10.0-120		10/20/2020 07:13	WG1561304
(S) Phenol-d5	24.5			10.0-120		10/20/2020 07:13	WG1561304
(S) Nitrobenzene-d5	60.7			10.0-127		10/20/2020 07:13	WG1561304
(S) 2-Fluorobiphenyl	73.6			10.0-130		10/20/2020 07:13	WG1561304
(S) 2,4,6-Tribromophenol	68.5			10.0-155		10/20/2020 07:13	WG1561304
(S) p-Terphenyl-d14	76.5			10.0-128		10/20/2020 07:13	WG1561304

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 18:58	WG1561281
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 18:58	WG1561281
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 18:58	WG1561281
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 18:58	WG1561281
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 18:58	WG1561281
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 18:58	WG1561281
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 18:58	WG1561281
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 18:58	WG1561281
Chrysene	U		0.0179	0.0500	1	10/19/2020 18:58	WG1561281
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 18:58	WG1561281
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 18:58	WG1561281
Fluoranthene	U		0.0270	0.100	1	10/19/2020 18:58	WG1561281
Fluorene	U		0.0169	0.0500	1	10/19/2020 18:58	WG1561281
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 18:58	WG1561281
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 18:58	WG1561281
Naphthalene	U		0.0917	0.250	1	10/19/2020 18:58	WG1561281
Phenanthrene	U		0.0180	0.0500	1	10/19/2020 18:58	WG1561281
Pyrene	U		0.0169	0.0500	1	10/19/2020 18:58	WG1561281
1-Methylnaphthalene	U		0.0687	0.250	1	10/19/2020 18:58	WG1561281
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 18:58	WG1561281
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 18:58	WG1561281
(S) Nitrobenzene-d5	106			31.0-160		10/19/2020 18:58	WG1561281
(S) 2-Fluorobiphenyl	106			48.0-148		10/19/2020 18:58	WG1561281
(S) p-Terphenyl-d14	106			37.0-146		10/19/2020 18:58	WG1561281

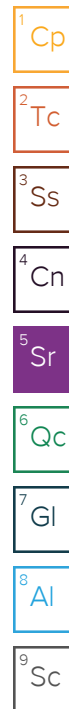


Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:53	WG1560250

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	10/19/2020 17:32	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 07:37	WG1562631
Acrylonitrile	U		0.671	5.00	1	10/21/2020 07:37	WG1562631
Benzene	U		0.0941	0.500	1	10/21/2020 07:37	WG1562631
Bromobenzene	U		0.118	0.500	1	10/21/2020 07:37	WG1562631
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 07:37	WG1562631
Bromochloromethane	U		0.128	0.500	1	10/21/2020 07:37	WG1562631
Bromoform	U		0.129	0.500	1	10/21/2020 07:37	WG1562631
Bromomethane	U		0.605	2.50	1	10/21/2020 07:37	WG1562631
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 07:37	WG1562631
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 07:37	WG1562631
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 07:37	WG1562631
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 07:37	WG1562631
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 07:37	WG1562631
Chlorobenzene	U		0.117	0.500	1	10/21/2020 07:37	WG1562631
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 07:37	WG1562631
Chloroethane	U		0.192	2.50	1	10/21/2020 07:37	WG1562631
~~2-Chloroethyl vinyl ether~~	~~U~~		~~0.575~~	~~50.0~~	~~1~~	~~10/21/2020 07:37~~	~~WG1562631~~ R
Chloroform	U		0.111	0.500	1	10/21/2020 07:37	WG1562631
Chloromethane	U		0.960	1.25	1	10/21/2020 07:37	WG1562631
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 07:37	WG1562631
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 07:37	WG1562631
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 07:37	WG1562631
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 07:37	WG1562631
Dibromomethane	U		0.122	0.500	1	10/21/2020 07:37	WG1562631
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 07:37	WG1562631
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 07:37	WG1562631
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 07:37	WG1562631
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 07:37	WG1562631
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2020 07:37	WG1562631
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 07:37	WG1562631
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 07:37	WG1562631
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 07:37	WG1562631
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 07:37	WG1562631
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 07:37	WG1562631
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 07:37	WG1562631
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 07:37	WG1562631
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 07:37	WG1562631
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 07:37	WG1562631
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 07:37	WG1562631
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 07:37	WG1562631
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 07:37	WG1562631
Ethylbenzene	U		0.137	0.500	1	10/21/2020 07:37	WG1562631
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 07:37	WG1562631
2-Hexanone	U		0.787	5.00	1	10/21/2020 07:37	WG1562631
n-Hexane	U		0.749	5.00	1	10/21/2020 07:37	WG1562631
Iodomethane	U		0.554	5.00	1	10/21/2020 07:37	WG1562631
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 07:37	WG1562631
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 07:37	WG1562631
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 07:37	WG1562631





Collected date/time: 10/12/20 16:30

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 07:37	WG1562631
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 07:37	WG1562631
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 07:37	WG1562631
Naphthalene	U		0.174	2.50	1	10/21/2020 07:37	WG1562631
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 07:37	WG1562631
Styrene	U		0.118	0.500	1	10/21/2020 07:37	WG1562631
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 07:37	WG1562631
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 07:37	WG1562631
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 07:37	WG1562631
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 07:37	WG1562631
Toluene	U		0.278	0.500	1	10/21/2020 07:37	WG1562631
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 07:37	WG1562631
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 07:37	WG1562631
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 07:37	WG1562631
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 07:37	WG1562631
Trichloroethene	U		0.190	0.500	1	10/21/2020 07:37	WG1562631
Trichlorofluoromethane	U		0.160	2.50	1	10/21/2020 07:37	WG1562631
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 07:37	WG1562631
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 07:37	WG1562631
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 07:37	WG1562631
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 07:37	WG1562631
Vinyl acetate	U	☒	0.692	5.00	1	10/21/2020 07:37	WG1562631
Vinyl chloride	U		0.234	0.500	1	10/21/2020 07:37	WG1562631
Xylenes, Total	U		0.174	1.50	1	10/21/2020 07:37	WG1562631
(S) Toluene-d8	110			80.0-120		10/21/2020 07:37	WG1562631
(S) 4-Bromofluorobenzene	99.7			77.0-126		10/21/2020 07:37	WG1562631
(S) 1,2-Dichloroethane-d4	112			70.0-130		10/21/2020 07:37	WG1562631

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	U		0.0447	0.400	1	10/19/2020 19:20	WG1561299
(S) Nitrobenzene-d5	67.1			10.0-120		10/19/2020 19:20	WG1561299

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/19/2020 16:23	WG1561303
Atrazine	U		0.255	10.0	1	10/19/2020 16:23	WG1561303
Benzaldehyde	U		1.69	10.0	1	10/19/2020 16:23	WG1561303
Biphenyl	U		0.790	10.0	1	10/19/2020 16:23	WG1561303
Bis(2-chlorethoxy)methane	U		0.116	5.00	1	10/19/2020 16:23	WG1561303
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/19/2020 16:23	WG1561303
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/19/2020 16:23	WG1561303
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/19/2020 16:23	WG1561303
Caprolactam	U		0.309	10.0	1	10/19/2020 16:23	WG1561303
Carbazole	U		0.111	10.0	1	10/19/2020 16:23	WG1561303
4-Chloroaniline	U		0.234	5.00	1	10/19/2020 16:23	WG1561303
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/19/2020 16:23	WG1561303
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/19/2020 16:23	WG1561303
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/19/2020 16:23	WG1561303
2,6-Dinitrotoluene	U		0.250	5.00	1	10/19/2020 16:23	WG1561303
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/19/2020 16:23	WG1561303
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/19/2020 16:23	WG1561303
Hexachloroethane	U		0.127	5.00	1	10/19/2020 16:23	WG1561303



Collected date/time: 10/12/20 16:30

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Isophorone	U		0.143	10.0	1	10/19/2020 16:23	WG1561303
2-Nitroaniline	U		0.102	5.00	1	10/19/2020 16:23	WG1561303
3-Nitroaniline	U		0.0869	5.00	1	10/19/2020 16:23	WG1561303
4-Nitroaniline	U		0.0910	5.00	1	10/19/2020 16:23	WG1561303
Nitrobenzene	U		0.297	10.0	1	10/19/2020 16:23	WG1561303
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/19/2020 16:23	WG1561303
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/19/2020 16:23	WG1561303
Benzylbutyl phthalate	U		0.765	3.00	1	10/19/2020 16:23	WG1561303
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/19/2020 16:23	WG1561303
Di-n-butyl phthalate	U		0.453	3.00	1	10/19/2020 16:23	WG1561303
Diethyl phthalate	U		0.287	3.00	1	10/19/2020 16:23	WG1561303
Dimethyl phthalate	U		0.260	3.00	1	10/19/2020 16:23	WG1561303
Di-n-octyl phthalate	U		0.932	3.00	1	10/19/2020 16:23	WG1561303
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/19/2020 16:23	WG1561303
4-Chloro-3-methylphenol	U		0.131	1.00	1	10/19/2020 16:23	WG1561303
2-Chlorophenol	U		0.133	1.00	1	10/19/2020 16:23	WG1561303
2-Methylphenol	U		0.0929	1.00	1	10/19/2020 16:23	WG1561303
3&4-Methyl Phenol	U		0.168	1.00	1	10/19/2020 16:23	WG1561303
2,4-Dichlorophenol	U		0.102	5.00	1	10/19/2020 16:23	WG1561303
2,4-Dimethylphenol	U		0.0636	10.0	1	10/19/2020 16:23	WG1561303
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/19/2020 16:23	WG1561303
2,4-Dinitrophenol	U		5.93	10.0	1	10/19/2020 16:23	WG1561303
2-Nitrophenol	U		0.117	1.00	1	10/19/2020 16:23	WG1561303
4-Nitrophenol	U		0.143	10.0	1	10/19/2020 16:23	WG1561303
Pentachlorophenol	U		0.313	1.00	1	10/19/2020 16:23	WG1561303
Phenol	U		4.33	10.0	1	10/19/2020 16:23	WG1561303
2,4,5-Trichlorophenol	U		0.109	1.00	1	10/19/2020 16:23	WG1561303
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/19/2020 16:23	WG1561303
(S) 2-Fluorophenol	25.1			10.0-120		10/19/2020 16:23	WG1561303
(S) Phenol-d5	15.7			10.0-120		10/19/2020 16:23	WG1561303
(S) Nitrobenzene-d5	36.5			10.0-127		10/19/2020 16:23	WG1561303
(S) 2-Fluorobiphenyl	48.4			10.0-130		10/19/2020 16:23	WG1561303
(S) 2,4,6-Tribromophenol	48.2			10.0-155		10/19/2020 16:23	WG1561303
(S) p-Terphenyl-d14	71.7			10.0-128		10/19/2020 16:23	WG1561303

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

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 06:20	WG1561279
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 06:20	WG1561279
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 06:20	WG1561279
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 06:20	WG1561279
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 06:20	WG1561279
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 06:20	WG1561279
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 06:20	WG1561279
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 06:20	WG1561279
Chrysene	U		0.0179	0.0500	1	10/19/2020 06:20	WG1561279
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 06:20	WG1561279
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 06:20	WG1561279
Fluoranthene	U		0.0270	0.100	1	10/19/2020 06:20	WG1561279
Fluorene	U		0.0169	0.0500	1	10/19/2020 06:20	WG1561279
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 06:20	WG1561279
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 06:20	WG1561279
Naphthalene	U		0.0917	0.250	1	10/19/2020 06:20	WG1561279
Phenanthrene	U		0.0180	0.0500	1	10/19/2020 06:20	WG1561279
Pyrene	U		0.0169	0.0500	1	10/19/2020 06:20	WG1561279



Collected date/time: 10/12/20 16:30

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

Analyte	Result ug/l	<u>Qualifier</u>	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	<u>Batch</u>
1-Methylnaphthalene	U		0.0687	0.250	1	10/19/2020 06:20	WG1561279
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 06:20	WG1561279
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 06:20	WG1561279
(S) Nitrobenzene-d5	99.0			31.0-160		10/19/2020 06:20	WG1561279
(S) 2-Fluorobiphenyl	96.5			48.0-148		10/19/2020 06:20	WG1561279
(S) p-Terphenyl-d14	101			37.0-146		10/19/2020 06:20	WG1561279

1
Cp2
Tc3
Ss4
Cn5
Sr6
Qc7
Gl8
Al9
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	
Acetone	U		11.3	25.0	1	10/20/2020 20:56	WG1562492
Acrylonitrile	U		0.671	5.00	1	10/20/2020 20:56	WG1562492
Benzene	U		0.0941	0.500	1	10/20/2020 20:56	WG1562492
Bromobenzene	U	JO	0.118	0.500	1	10/20/2020 20:56	WG1562492
Bromodichloromethane	U		0.136	0.500	1	10/20/2020 20:56	WG1562492
Bromochloromethane	U		0.128	0.500	1	10/20/2020 20:56	WG1562492
Bromoform	U		0.129	0.500	1	10/20/2020 20:56	WG1562492
Bromomethane	U		0.605	2.50	1	10/20/2020 20:56	WG1562492
n-Butylbenzene	U		0.157	0.500	1	10/20/2020 20:56	WG1562492
sec-Butylbenzene	U		0.125	0.500	1	10/20/2020 20:56	WG1562492
tert-Butylbenzene	U		0.127	0.500	1	10/20/2020 20:56	WG1562492
Carbon disulfide	U		0.0962	0.500	1	10/20/2020 20:56	WG1562492
Carbon tetrachloride	U		0.128	0.500	1	10/20/2020 20:56	WG1562492
Chlorobenzene	U		0.117	0.500	1	10/20/2020 20:56	WG1562492
Chlorodibromomethane	U		0.140	0.500	1	10/20/2020 20:56	WG1562492
Chloroethane	U	JO	0.192	2.50	1	10/20/2020 20:56	WG1562492
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/20/2020 20:56	WG1562492 R
Chloroform	U		0.111	0.500	1	10/20/2020 20:56	WG1562492
Chloromethane	U		0.960	1.25	1	10/20/2020 20:56	WG1562492
2-Chlorotoluene	U		0.106	0.500	1	10/20/2020 20:56	WG1562492
4-Chlorotoluene	U		0.114	0.500	1	10/20/2020 20:56	WG1562492
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/20/2020 20:56	WG1562492
1,2-Dibromoethane	U		0.126	0.500	1	10/20/2020 20:56	WG1562492
Dibromomethane	U		0.122	0.500	1	10/20/2020 20:56	WG1562492
1,2-Dichlorobenzene	U		0.107	0.500	1	10/20/2020 20:56	WG1562492
1,3-Dichlorobenzene	U		0.299	0.500	1	10/20/2020 20:56	WG1562492
1,4-Dichlorobenzene	U		0.120	0.500	1	10/20/2020 20:56	WG1562492
Dichlorodifluoromethane	U		0.374	2.50	1	10/20/2020 20:56	WG1562492
1,1-Dichloroethane	U		0.100	0.500	1	10/20/2020 20:56	WG1562492
1,2-Dichloroethane	U		0.0819	0.500	1	10/20/2020 20:56	WG1562492
1,1-Dichloroethene	U		0.188	0.500	1	10/20/2020 20:56	WG1562492
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/20/2020 20:56	WG1562492
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/20/2020 20:56	WG1562492
1,2-Dichloropropane	U		0.149	0.500	1	10/20/2020 20:56	WG1562492
1,1-Dichloropropene	U		0.142	0.500	1	10/20/2020 20:56	WG1562492
1,3-Dichloropropane	U		0.109	1.00	1	10/20/2020 20:56	WG1562492
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/20/2020 20:56	WG1562492
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/20/2020 20:56	WG1562492
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/20/2020 20:56	WG1562492
2,2-Dichloropropane	U		0.161	0.500	1	10/20/2020 20:56	WG1562492
Di-isopropyl ether	U		0.105	0.500	1	10/20/2020 20:56	WG1562492
Ethylbenzene	U		0.137	0.500	1	10/20/2020 20:56	WG1562492
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/20/2020 20:56	WG1562492
2-Hexanone	U		0.787	5.00	1	10/20/2020 20:56	WG1562492
n-Hexane	U		0.749	5.00	1	10/20/2020 20:56	WG1562492
Iodomethane	U		0.554	5.00	1	10/20/2020 20:56	WG1562492
Isopropylbenzene	U		0.105	0.500	1	10/20/2020 20:56	WG1562492
p-Isopropyltoluene	U		0.120	0.500	1	10/20/2020 20:56	WG1562492
2-Butanone (MEK)	U		1.19	5.00	1	10/20/2020 20:56	WG1562492
Methylene Chloride	U		0.430	2.50	1	10/20/2020 20:56	WG1562492
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/20/2020 20:56	WG1562492
Methyl tert-butyl ether	U		0.101	0.500	1	10/20/2020 20:56	WG1562492
Naphthalene	U		0.174	2.50	1	10/20/2020 20:56	WG1562492
n-Propylbenzene	U		0.0993	0.500	1	10/20/2020 20:56	WG1562492
Styrene	U		0.118	0.500	1	10/20/2020 20:56	WG1562492
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/20/2020 20:56	WG1562492

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 10/12/20 00:00

L1273359

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/20/2020 20:56	WG1562492
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/20/2020 20:56	WG1562492
Tetrachloroethene	U		0.300	0.500	1	10/20/2020 20:56	WG1562492
Toluene	U		0.278	0.500	1	10/20/2020 20:56	WG1562492
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/20/2020 20:56	WG1562492
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/20/2020 20:56	WG1562492
1,1,1-Trichloroethane	U		0.149	0.500	1	10/20/2020 20:56	WG1562492
1,1,2-Trichloroethane	U		0.158	0.500	1	10/20/2020 20:56	WG1562492
Trichloroethene	U		0.190	0.500	1	10/20/2020 20:56	WG1562492
Trichlorofluoromethane	U	<u>JO</u>	0.160	2.50	1	10/20/2020 20:56	WG1562492
1,2,3-Trichloropropane	U		0.237	2.50	1	10/20/2020 20:56	WG1562492
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/20/2020 20:56	WG1562492
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/20/2020 20:56	WG1562492
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/20/2020 20:56	WG1562492
Vinyl acetate	U		0.692	5.00	1	10/20/2020 20:56	WG1562492
Vinyl chloride	U	<u>JO</u>	0.234	0.500	1	10/20/2020 20:56	WG1562492
Xylenes, Total	U		0.174	1.50	1	10/20/2020 20:56	WG1562492
(S) Toluene-d8	111			80.0-120		10/20/2020 20:56	WG1562492
(S) 4-Bromofluorobenzene	92.0			77.0-126		10/20/2020 20:56	WG1562492
(S) 1,2-Dichloroethane-d4	102			70.0-130		10/20/2020 20:56	WG1562492

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 10/13/20 14:50

L1273359

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	25.0	1	10/20/2020 21:16	WG1562492
Acrylonitrile	U		0.671	5.00	1	10/20/2020 21:16	WG1562492
Benzene	U		0.0941	0.500	1	10/20/2020 21:16	WG1562492
Bromobenzene	U	JO	0.118	0.500	1	10/20/2020 21:16	WG1562492
Bromodichloromethane	U		0.136	0.500	1	10/20/2020 21:16	WG1562492
Bromochloromethane	U		0.128	0.500	1	10/20/2020 21:16	WG1562492
Bromoform	U		0.129	0.500	1	10/20/2020 21:16	WG1562492
Bromomethane	U		0.605	2.50	1	10/20/2020 21:16	WG1562492
n-Butylbenzene	U		0.157	0.500	1	10/20/2020 21:16	WG1562492
sec-Butylbenzene	U		0.125	0.500	1	10/20/2020 21:16	WG1562492
tert-Butylbenzene	U		0.127	0.500	1	10/20/2020 21:16	WG1562492
Carbon disulfide	U		0.0962	0.500	1	10/20/2020 21:16	WG1562492
Carbon tetrachloride	U		0.128	0.500	1	10/20/2020 21:16	WG1562492
Chlorobenzene	U		0.117	0.500	1	10/20/2020 21:16	WG1562492
Chlorodibromomethane	U		0.140	0.500	1	10/20/2020 21:16	WG1562492
Chloroethane	U	JO	0.192	2.50	1	10/20/2020 21:16	WG1562492
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/20/2020 21:16	WG1562492
Chloroform	U		0.111	0.500	1	10/20/2020 21:16	WG1562492
Chloromethane	U		0.960	1.25	1	10/20/2020 21:16	WG1562492
2-Chlorotoluene	U		0.106	0.500	1	10/20/2020 21:16	WG1562492
4-Chlorotoluene	U		0.114	0.500	1	10/20/2020 21:16	WG1562492
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/20/2020 21:16	WG1562492
1,2-Dibromoethane	U		0.126	0.500	1	10/20/2020 21:16	WG1562492
Dibromomethane	U		0.122	0.500	1	10/20/2020 21:16	WG1562492
1,2-Dichlorobenzene	U		0.107	0.500	1	10/20/2020 21:16	WG1562492
1,3-Dichlorobenzene	U		0.299	0.500	1	10/20/2020 21:16	WG1562492
1,4-Dichlorobenzene	U		0.120	0.500	1	10/20/2020 21:16	WG1562492
Dichlorodifluoromethane	U		0.374	2.50	1	10/20/2020 21:16	WG1562492
1,1-Dichloroethane	U		0.100	0.500	1	10/20/2020 21:16	WG1562492
1,2-Dichloroethane	U		0.0819	0.500	1	10/20/2020 21:16	WG1562492
1,1-Dichloroethene	U		0.188	0.500	1	10/20/2020 21:16	WG1562492
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/20/2020 21:16	WG1562492
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/20/2020 21:16	WG1562492
1,2-Dichloropropane	U		0.149	0.500	1	10/20/2020 21:16	WG1562492
1,1-Dichloropropene	U		0.142	0.500	1	10/20/2020 21:16	WG1562492
1,3-Dichloropropane	U		0.109	1.00	1	10/20/2020 21:16	WG1562492
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/20/2020 21:16	WG1562492
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/20/2020 21:16	WG1562492
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/20/2020 21:16	WG1562492
2,2-Dichloropropane	U		0.161	0.500	1	10/20/2020 21:16	WG1562492
Di-isopropyl ether	U		0.105	0.500	1	10/20/2020 21:16	WG1562492
Ethylbenzene	U		0.137	0.500	1	10/20/2020 21:16	WG1562492
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/20/2020 21:16	WG1562492
2-Hexanone	U		0.787	5.00	1	10/20/2020 21:16	WG1562492
n-Hexane	U		0.749	5.00	1	10/20/2020 21:16	WG1562492
Iodomethane	U		0.554	5.00	1	10/20/2020 21:16	WG1562492
Isopropylbenzene	U		0.105	0.500	1	10/20/2020 21:16	WG1562492
p-Isopropyltoluene	U		0.120	0.500	1	10/20/2020 21:16	WG1562492
2-Butanone (MEK)	U		1.19	5.00	1	10/20/2020 21:16	WG1562492
Methylene Chloride	U		0.430	2.50	1	10/20/2020 21:16	WG1562492
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/20/2020 21:16	WG1562492
Methyl tert-butyl ether	U		0.101	0.500	1	10/20/2020 21:16	WG1562492
Naphthalene	U		0.174	2.50	1	10/20/2020 21:16	WG1562492
n-Propylbenzene	U		0.0993	0.500	1	10/20/2020 21:16	WG1562492
Styrene	U		0.118	0.500	1	10/20/2020 21:16	WG1562492
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/20/2020 21:16	WG1562492

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ACCOUNT:

Arcadis - Chevron - NY

PROJECT:

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SDG:

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DATE/TIME:

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/20/2020 21:16	WG1562492
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/20/2020 21:16	WG1562492
Tetrachloroethene	U		0.300	0.500	1	10/20/2020 21:16	WG1562492
Toluene	U		0.278	0.500	1	10/20/2020 21:16	WG1562492
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/20/2020 21:16	WG1562492
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/20/2020 21:16	WG1562492
1,1,1-Trichloroethane	U		0.149	0.500	1	10/20/2020 21:16	WG1562492
1,1,2-Trichloroethane	U		0.158	0.500	1	10/20/2020 21:16	WG1562492
Trichloroethene	U		0.190	0.500	1	10/20/2020 21:16	WG1562492
Trichlorofluoromethane	U	~~Q~~	0.160	2.50	1	10/20/2020 21:16	WG1562492
1,2,3-Trichloropropane	U		0.237	2.50	1	10/20/2020 21:16	WG1562492
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/20/2020 21:16	WG1562492
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/20/2020 21:16	WG1562492
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/20/2020 21:16	WG1562492
Vinyl acetate	U		0.692	5.00	1	10/20/2020 21:16	WG1562492
Vinyl chloride	U	~~Q~~	0.234	0.500	1	10/20/2020 21:16	WG1562492
Xylenes, Total	U		0.174	1.50	1	10/20/2020 21:16	WG1562492
(S) Toluene-d8	106			80.0-120		10/20/2020 21:16	WG1562492
(S) 4-Bromofluorobenzene	91.5			77.0-126		10/20/2020 21:16	WG1562492
(S) 1,2-Dichloroethane-d4	103			70.0-130		10/20/2020 21:16	WG1562492

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Metals (ICPMS) by Method 6020A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Lead,Dissolved	U		2.49	5.00	1	10/19/2020 17:57	WG1560250

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	10/19/2020 17:56	WG1560346
Acetone	U		11.3	25.0	1	10/21/2020 01:42	WG1562492
Acrylonitrile	U		0.671	5.00	1	10/21/2020 01:42	WG1562492
Benzene	U		0.0941	0.500	1	10/21/2020 01:42	WG1562492
Bromobenzene	U	<u>JO</u>	0.118	0.500	1	10/21/2020 01:42	WG1562492
Bromodichloromethane	U		0.136	0.500	1	10/21/2020 01:42	WG1562492
Bromochloromethane	U		0.128	0.500	1	10/21/2020 01:42	WG1562492
Bromoform	U		0.129	0.500	1	10/21/2020 01:42	WG1562492
Bromomethane	U		0.605	2.50	1	10/21/2020 01:42	WG1562492
n-Butylbenzene	U		0.157	0.500	1	10/21/2020 01:42	WG1562492
sec-Butylbenzene	U		0.125	0.500	1	10/21/2020 01:42	WG1562492
tert-Butylbenzene	U		0.127	0.500	1	10/21/2020 01:42	WG1562492
Carbon disulfide	U		0.0962	0.500	1	10/21/2020 01:42	WG1562492
Carbon tetrachloride	U		0.128	0.500	1	10/21/2020 01:42	WG1562492
Chlorobenzene	U		0.117	0.500	1	10/21/2020 01:42	WG1562492
Chlorodibromomethane	U		0.140	0.500	1	10/21/2020 01:42	WG1562492
Chloroethane	U	<u>JO</u>	0.192	2.50	1	10/21/2020 01:42	WG1562492
2-Chloroethyl vinyl ether	U		0.575	50.0	1	10/21/2020 01:42	~~WG1562492~~ R
Chloroform	U		0.111	0.500	1	10/21/2020 01:42	WG1562492
Chloromethane	U		0.960	1.25	1	10/21/2020 01:42	WG1562492
2-Chlorotoluene	U		0.106	0.500	1	10/21/2020 01:42	WG1562492
4-Chlorotoluene	U		0.114	0.500	1	10/21/2020 01:42	WG1562492
1,2-Dibromo-3-Chloropropane	U		0.276	2.50	1	10/21/2020 01:42	WG1562492
1,2-Dibromoethane	U		0.126	0.500	1	10/21/2020 01:42	WG1562492
Dibromomethane	U		0.122	0.500	1	10/21/2020 01:42	WG1562492
1,2-Dichlorobenzene	U		0.107	0.500	1	10/21/2020 01:42	WG1562492
1,3-Dichlorobenzene	U		0.299	0.500	1	10/21/2020 01:42	WG1562492
1,4-Dichlorobenzene	U		0.120	0.500	1	10/21/2020 01:42	WG1562492
Dichlorodifluoromethane	U		0.374	2.50	1	10/21/2020 01:42	WG1562492
1,1-Dichloroethane	U		0.100	0.500	1	10/21/2020 01:42	WG1562492
1,2-Dichloroethane	U		0.0819	0.500	1	10/21/2020 01:42	WG1562492
1,1-Dichloroethene	U		0.188	0.500	1	10/21/2020 01:42	WG1562492
cis-1,2-Dichloroethene	U		0.126	0.500	1	10/21/2020 01:42	WG1562492
trans-1,2-Dichloroethene	U		0.149	0.500	1	10/21/2020 01:42	WG1562492
1,2-Dichloropropane	U		0.149	0.500	1	10/21/2020 01:42	WG1562492
1,1-Dichloropropene	U		0.142	0.500	1	10/21/2020 01:42	WG1562492
1,3-Dichloropropane	U		0.109	1.00	1	10/21/2020 01:42	WG1562492
cis-1,3-Dichloropropene	U		0.111	0.500	1	10/21/2020 01:42	WG1562492
trans-1,3-Dichloropropene	U		0.118	0.500	1	10/21/2020 01:42	WG1562492
trans-1,4-Dichloro-2-butene	U		0.467	5.00	1	10/21/2020 01:42	WG1562492
2,2-Dichloropropane	U		0.161	0.500	1	10/21/2020 01:42	WG1562492
Di-isopropyl ether	U		0.105	0.500	1	10/21/2020 01:42	WG1562492
Ethylbenzene	U		0.137	0.500	1	10/21/2020 01:42	WG1562492
Hexachloro-1,3-butadiene	U		0.337	1.00	1	10/21/2020 01:42	WG1562492
2-Hexanone	U		0.787	5.00	1	10/21/2020 01:42	WG1562492
n-Hexane	U		0.749	5.00	1	10/21/2020 01:42	WG1562492
Iodomethane	U		0.554	5.00	1	10/21/2020 01:42	WG1562492
Isopropylbenzene	U		0.105	0.500	1	10/21/2020 01:42	WG1562492
p-Isopropyltoluene	U		0.120	0.500	1	10/21/2020 01:42	WG1562492
2-Butanone (MEK)	U		1.19	5.00	1	10/21/2020 01:42	WG1562492





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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.430	2.50	1	10/21/2020 01:42	WG1562492
4-Methyl-2-pentanone (MIBK)	U		0.478	5.00	1	10/21/2020 01:42	WG1562492
Methyl tert-butyl ether	U		0.101	0.500	1	10/21/2020 01:42	WG1562492
Naphthalene	U		0.174	2.50	1	10/21/2020 01:42	WG1562492
n-Propylbenzene	U		0.0993	0.500	1	10/21/2020 01:42	WG1562492
Styrene	U		0.118	0.500	1	10/21/2020 01:42	WG1562492
1,1,1,2-Tetrachloroethane	U		0.147	0.500	1	10/21/2020 01:42	WG1562492
1,1,2,2-Tetrachloroethane	U		0.133	0.500	1	10/21/2020 01:42	WG1562492
1,1,2-Trichlorotrifluoroethane	U		0.180	0.500	1	10/21/2020 01:42	WG1562492
Tetrachloroethene	U		0.300	0.500	1	10/21/2020 01:42	WG1562492
Toluene	U		0.278	0.500	1	10/21/2020 01:42	WG1562492
1,2,3-Trichlorobenzene	U		0.164	0.500	1	10/21/2020 01:42	WG1562492
1,2,4-Trichlorobenzene	U		0.481	1.00	1	10/21/2020 01:42	WG1562492
1,1,1-Trichloroethane	U		0.149	0.500	1	10/21/2020 01:42	WG1562492
1,1,2-Trichloroethane	U		0.158	0.500	1	10/21/2020 01:42	WG1562492
Trichloroethene	U		0.190	0.500	1	10/21/2020 01:42	WG1562492
Trichlorofluoromethane	U	FF	0.160	2.50	1	10/21/2020 01:42	WG1562492
1,2,3-Trichloropropane	U		0.237	2.50	1	10/21/2020 01:42	WG1562492
1,2,4-Trimethylbenzene	U		0.322	0.500	1	10/21/2020 01:42	WG1562492
1,2,3-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 01:42	WG1562492
1,3,5-Trimethylbenzene	U		0.104	0.500	1	10/21/2020 01:42	WG1562492
Vinyl acetate	U		0.692	5.00	1	10/21/2020 01:42	WG1562492
Vinyl chloride	U	FF	0.234	0.500	1	10/21/2020 01:42	WG1562492
Xylenes, Total	0.223	FF	0.174	1.50	1	10/21/2020 01:42	WG1562492
(S) Toluene-d8	113			80.0-120		10/21/2020 01:42	WG1562492
(S) 4-Bromofluorobenzene	92.4			77.0-126		10/21/2020 01:42	WG1562492
(S) 1,2-Dichloroethane-d4	104			70.0-130		10/21/2020 01:42	WG1562492

1 Cp

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetophenone	U		0.208	10.0	1	10/20/2020 07:34	WG1561304
Atrazine	U		0.255	10.0	1	10/20/2020 07:34	WG1561304
Benzaldehyde	U		1.69	10.0	1	10/20/2020 07:34	WG1561304
Biphenyl	U		0.790	10.0	1	10/20/2020 07:34	WG1561304
Bis(2-chloroethoxy)methane	U		0.116	5.00	1	10/20/2020 07:34	WG1561304
Bis(2-chloroethyl)ether	U		0.137	1.00	1	10/20/2020 07:34	WG1561304
2,2-Oxybis(1-Chloropropane)	U		0.210	5.00	1	10/20/2020 07:34	WG1561304
4-Bromophenyl-phenylether	U		0.0877	10.0	1	10/20/2020 07:34	WG1561304
Caprolactam	U		0.309	10.0	1	10/20/2020 07:34	WG1561304
Carbazole	U		0.111	10.0	1	10/20/2020 07:34	WG1561304
4-Chloroaniline	U		0.234	5.00	1	10/20/2020 07:34	WG1561304
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	10/20/2020 07:34	WG1561304
3,3-Dichlorobenzidine	U		0.212	10.0	1	10/20/2020 07:34	WG1561304
2,4-Dinitrotoluene	U		0.0983	5.00	1	10/20/2020 07:34	WG1561304
2,6-Dinitrotoluene	U		0.250	5.00	1	10/20/2020 07:34	WG1561304
Hexachloro-1,3-butadiene	U		0.0968	10.0	1	10/20/2020 07:34	WG1561304
Hexachlorocyclopentadiene	U		0.0598	5.00	1	10/20/2020 07:34	WG1561304
Hexachloroethane	U		0.127	5.00	1	10/20/2020 07:34	WG1561304
Isophorone	U		0.143	10.0	1	10/20/2020 07:34	WG1561304
2-Nitroaniline	U		0.102	5.00	1	10/20/2020 07:34	WG1561304
3-Nitroaniline	U		0.0869	5.00	1	10/20/2020 07:34	WG1561304
4-Nitroaniline	U		0.0910	5.00	1	10/20/2020 07:34	WG1561304
Nitrobenzene	U		0.297	10.0	1	10/20/2020 07:34	WG1561304
n-Nitrosodiphenylamine	U		2.37	10.0	1	10/20/2020 07:34	WG1561304
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	10/20/2020 07:34	WG1561304

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

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Benzylbutyl phthalate	U		0.765	3.00	1	10/20/2020 07:34	WG1561304
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	10/20/2020 07:34	WG1561304
Di-n-butyl phthalate	U		0.453	3.00	1	10/20/2020 07:34	WG1561304
Diethyl phthalate	U		0.287	3.00	1	10/20/2020 07:34	WG1561304
Dimethyl phthalate	U		0.260	3.00	1	10/20/2020 07:34	WG1561304
Di-n-octyl phthalate	U		0.932	3.00	1	10/20/2020 07:34	WG1561304
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	10/20/2020 07:34	WG1561304
4-Chloro-3-methylphenol	U	J	0.131	1.00 UJ	1	10/20/2020 07:34	WG1561304
2-Chlorophenol	U		0.133	1.00	1	10/20/2020 07:34	WG1561304
2-Methylphenol	U		0.0929	1.00	1	10/20/2020 07:34	WG1561304
3&4-Methyl Phenol	U		0.168	1.00	1	10/20/2020 07:34	WG1561304
2,4-Dichlorophenol	U		0.102	5.00	1	10/20/2020 07:34	WG1561304
2,4-Dimethylphenol	U		0.0636	10.0	1	10/20/2020 07:34	WG1561304
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	10/20/2020 07:34	WG1561304
2,4-Dinitrophenol	U		5.93	10.0	1	10/20/2020 07:34	WG1561304
2-Nitrophenol	U		0.117	1.00	1	10/20/2020 07:34	WG1561304
4-Nitrophenol	U		0.143	10.0	1	10/20/2020 07:34	WG1561304
Pentachlorophenol	U		0.313	1.00	1	10/20/2020 07:34	WG1561304
Phenol	U		4.33	10.0	1	10/20/2020 07:34	WG1561304
2,4,5-Trichlorophenol	U	J	0.109	1.00 UJ	1	10/20/2020 07:34	WG1561304
2,4,6-Trichlorophenol	U		0.100	1.00	1	10/20/2020 07:34	WG1561304
(S) 2-Fluorophenol	44.0			10.0-120		10/20/2020 07:34	WG1561304
(S) Phenol-d5	27.6			10.0-120		10/20/2020 07:34	WG1561304
(S) Nitrobenzene-d5	66.5			10.0-127		10/20/2020 07:34	WG1561304
(S) 2-Fluorobiphenyl	78.8			10.0-130		10/20/2020 07:34	WG1561304
(S) 2,4,6-Tribromophenol	70.5			10.0-155		10/20/2020 07:34	WG1561304
(S) p-Terphenyl-d14	81.6			10.0-128		10/20/2020 07:34	WG1561304

1 Cp

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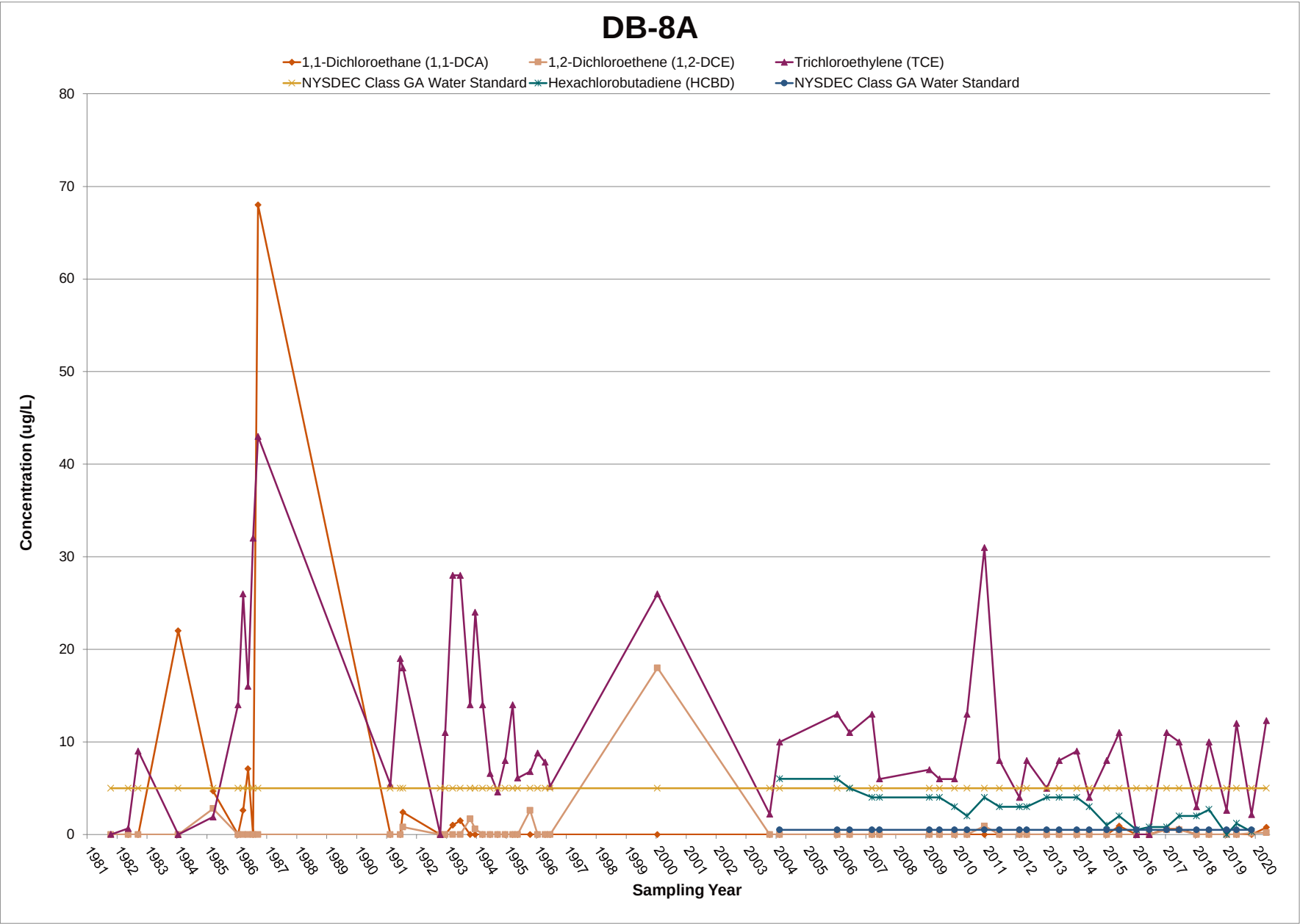
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

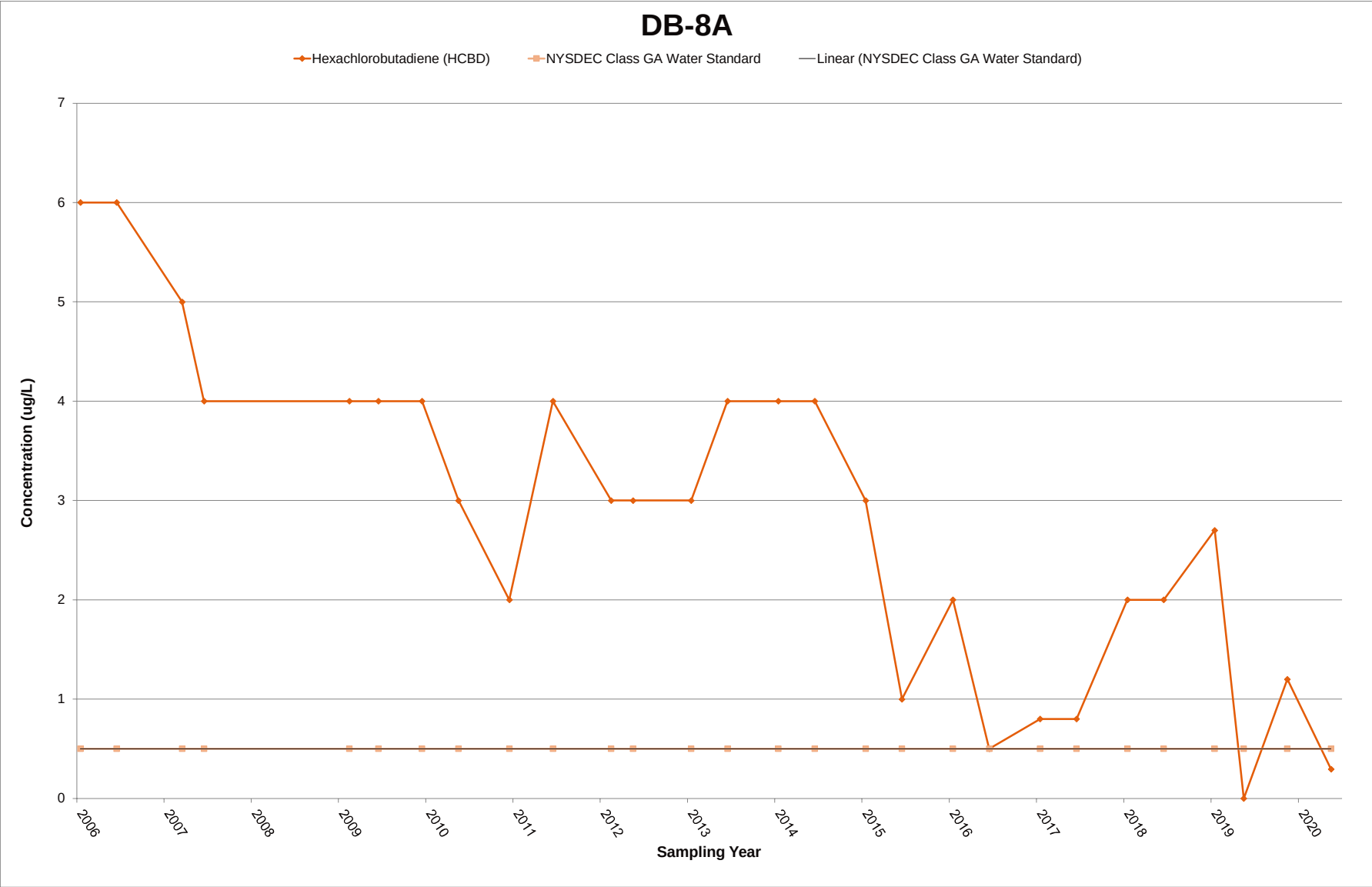
Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0190	0.0500	1	10/19/2020 19:16	WG1561281
Acenaphthene	U		0.0190	0.0500	1	10/19/2020 19:16	WG1561281
Acenaphthylene	U		0.0171	0.0500	1	10/19/2020 19:16	WG1561281
Benzo(a)anthracene	U		0.0203	0.0500	1	10/19/2020 19:16	WG1561281
Benzo(a)pyrene	U		0.0184	0.0500	1	10/19/2020 19:16	WG1561281
Benzo(b)fluoranthene	U		0.0168	0.0500	1	10/19/2020 19:16	WG1561281
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	10/19/2020 19:16	WG1561281
Benzo(k)fluoranthene	U		0.0202	0.0500	1	10/19/2020 19:16	WG1561281
Chrysene	U		0.0179	0.0500	1	10/19/2020 19:16	WG1561281
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	10/19/2020 19:16	WG1561281
Dibenzofuran	U		0.0191	0.0500	1	10/19/2020 19:16	WG1561281
Fluoranthene	U		0.0270	0.100	1	10/19/2020 19:16	WG1561281
Fluorene	U		0.0169	0.0500	1	10/19/2020 19:16	WG1561281
Hexachlorobenzene	U		0.00670	0.0500	1	10/19/2020 19:16	WG1561281
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	10/19/2020 19:16	WG1561281
Naphthalene	U		0.0917	0.250	1	10/19/2020 19:16	WG1561281
Phenanthrene	U		0.0180	0.0500	1	10/19/2020 19:16	WG1561281
Pyrene	U		0.0169	0.0500	1	10/19/2020 19:16	WG1561281
1-Methylnaphthalene	U		0.0687	0.250	1	10/19/2020 19:16	WG1561281
2-Methylnaphthalene	U		0.0674	0.250	1	10/19/2020 19:16	WG1561281
2-Chloronaphthalene	U		0.0682	0.250	1	10/19/2020 19:16	WG1561281
(S) Nitrobenzene-d5	103			31.0-160		10/19/2020 19:16	WG1561281
(S) 2-Fluorobiphenyl	101			48.0-148		10/19/2020 19:16	WG1561281
(S) p-Terphenyl-d14	94.2			37.0-146		10/19/2020 19:16	WG1561281

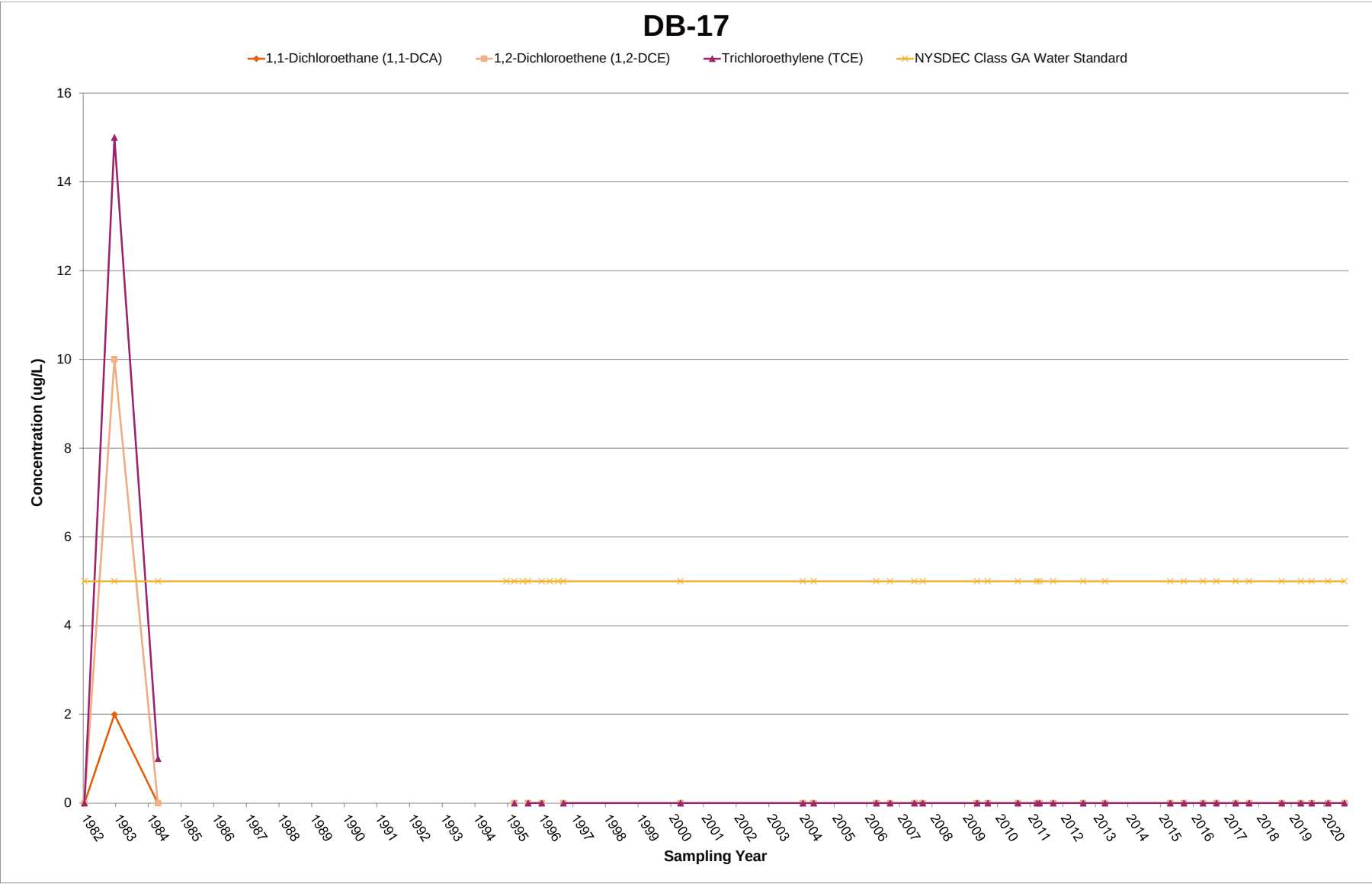
APPENDIX D

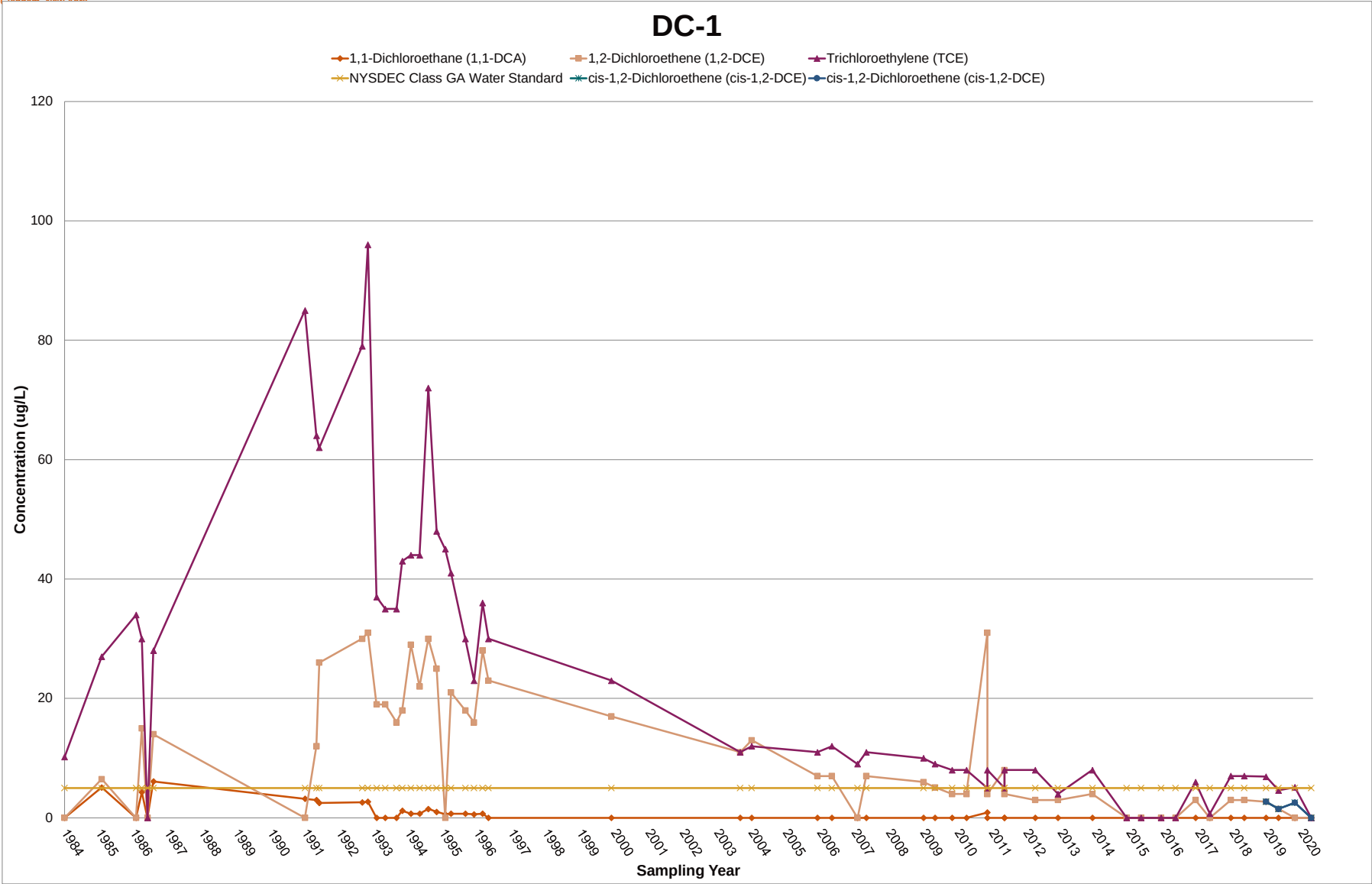
Analytical Charts

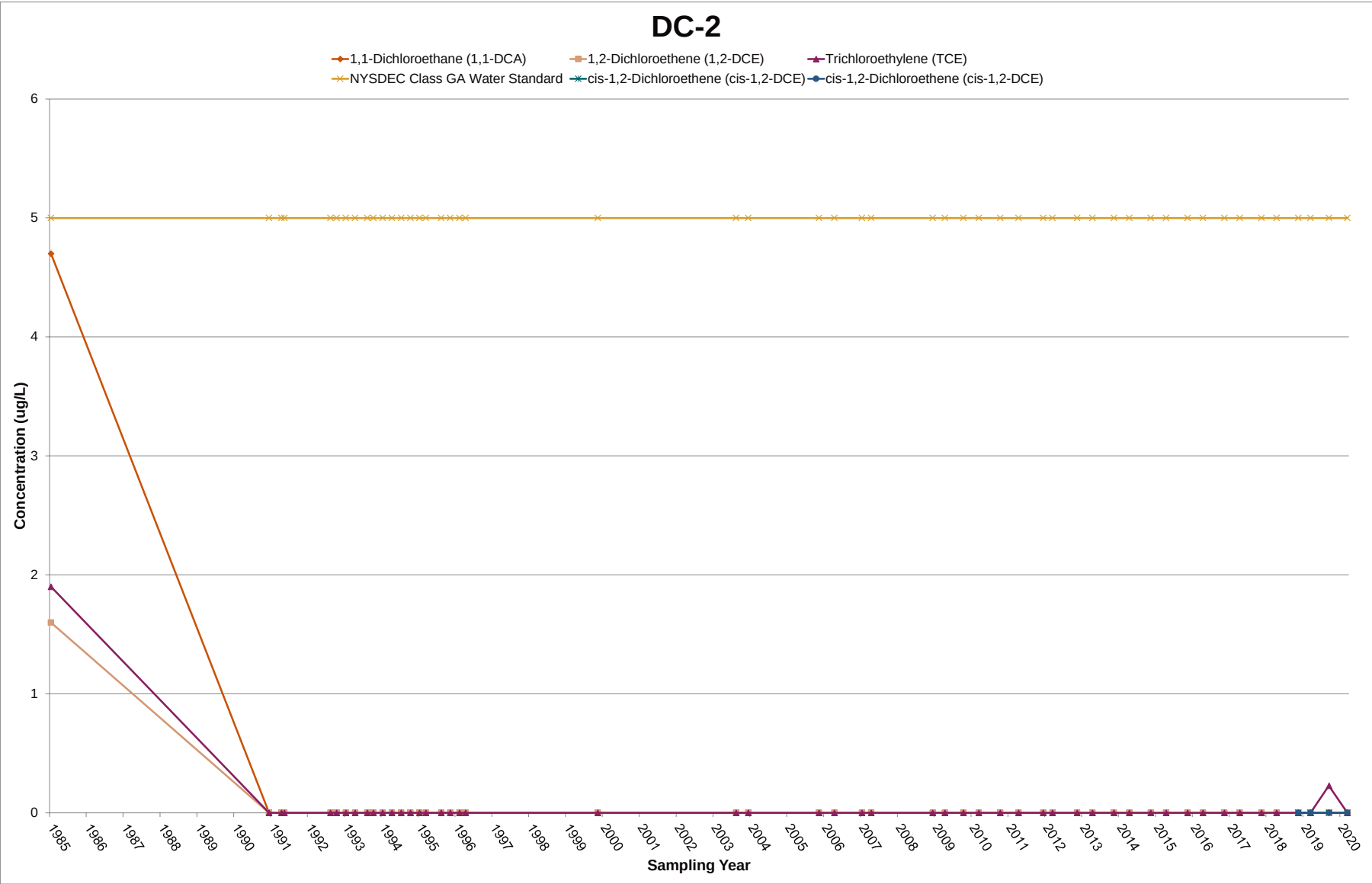


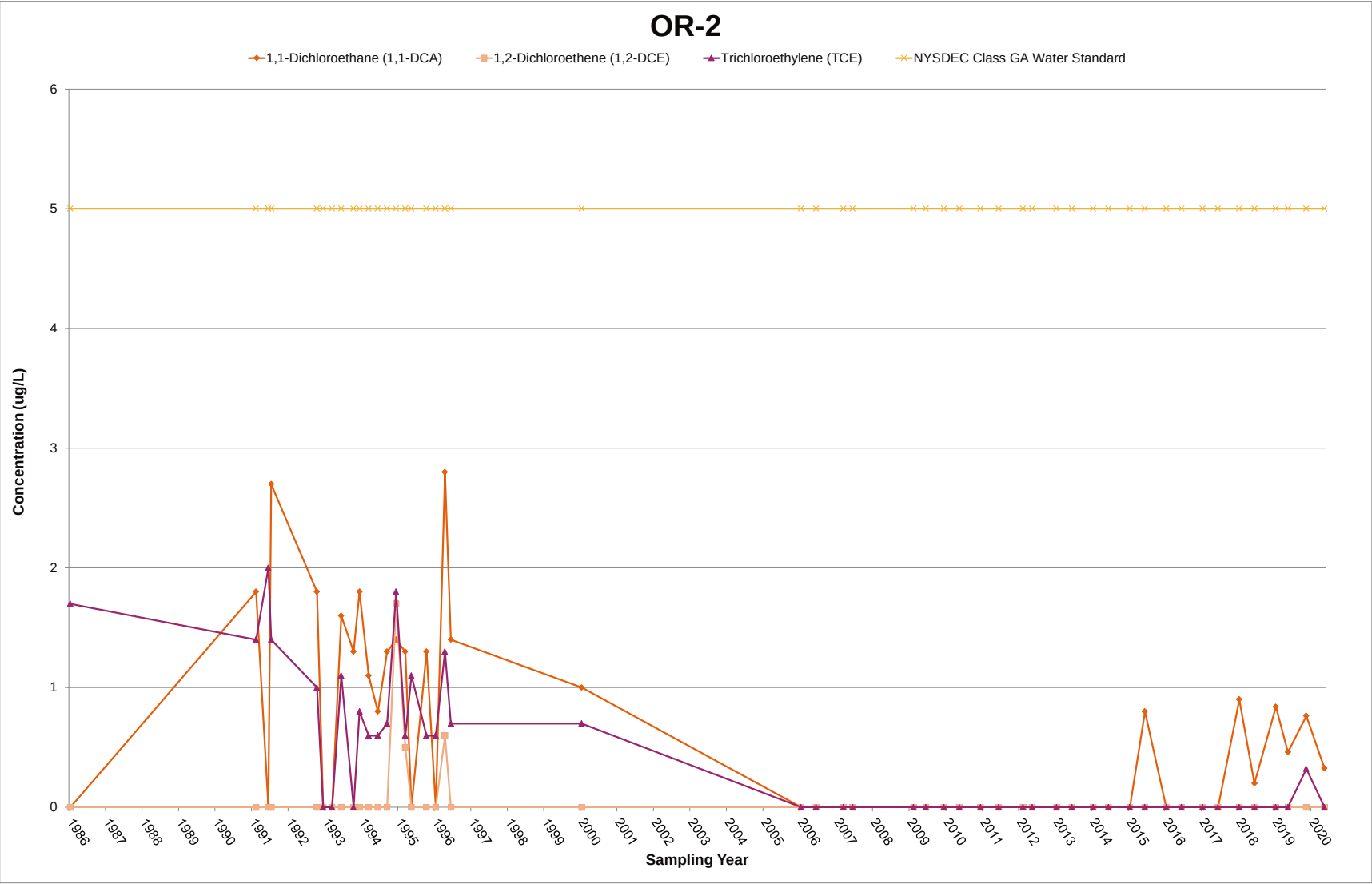


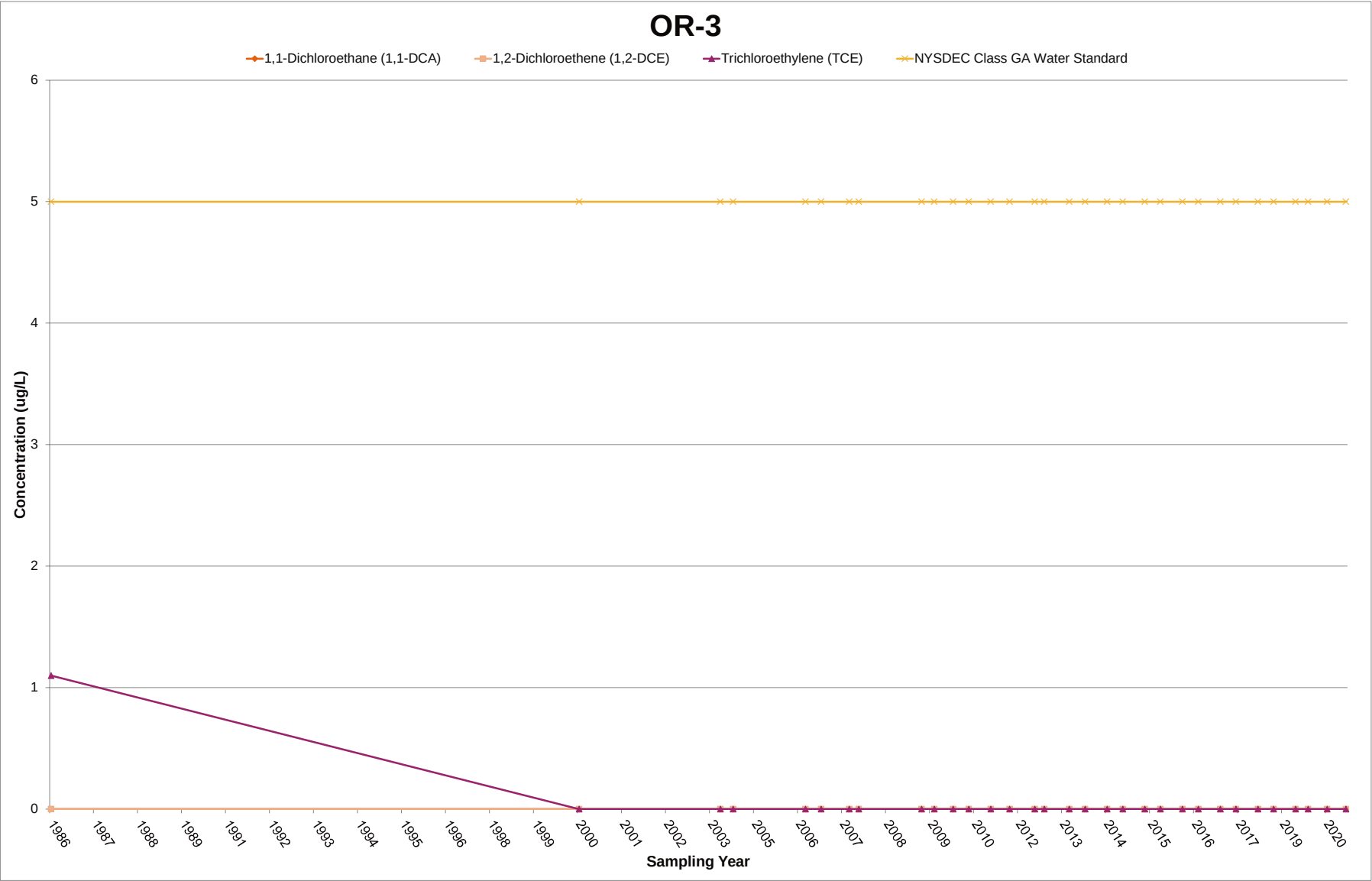


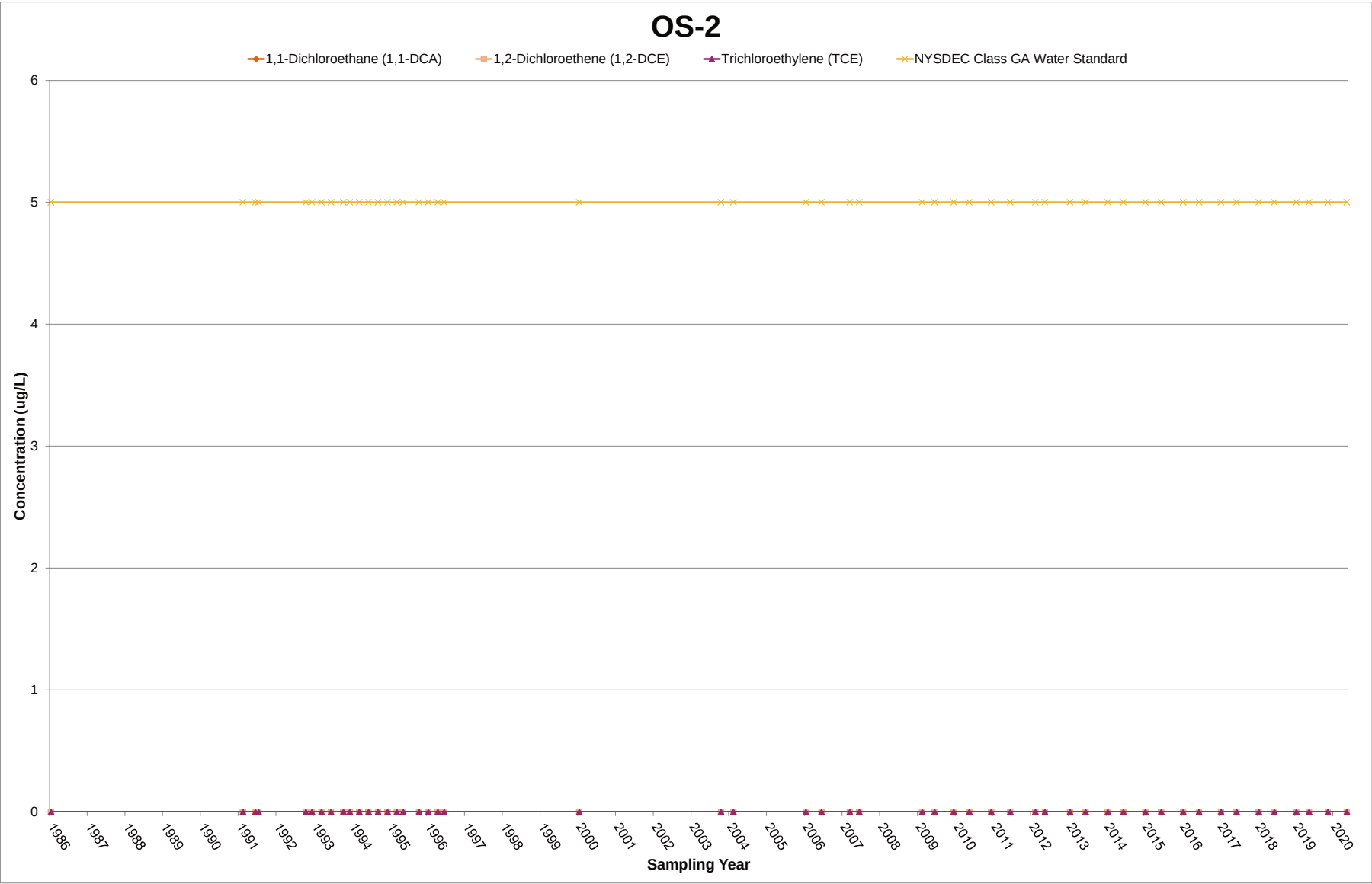


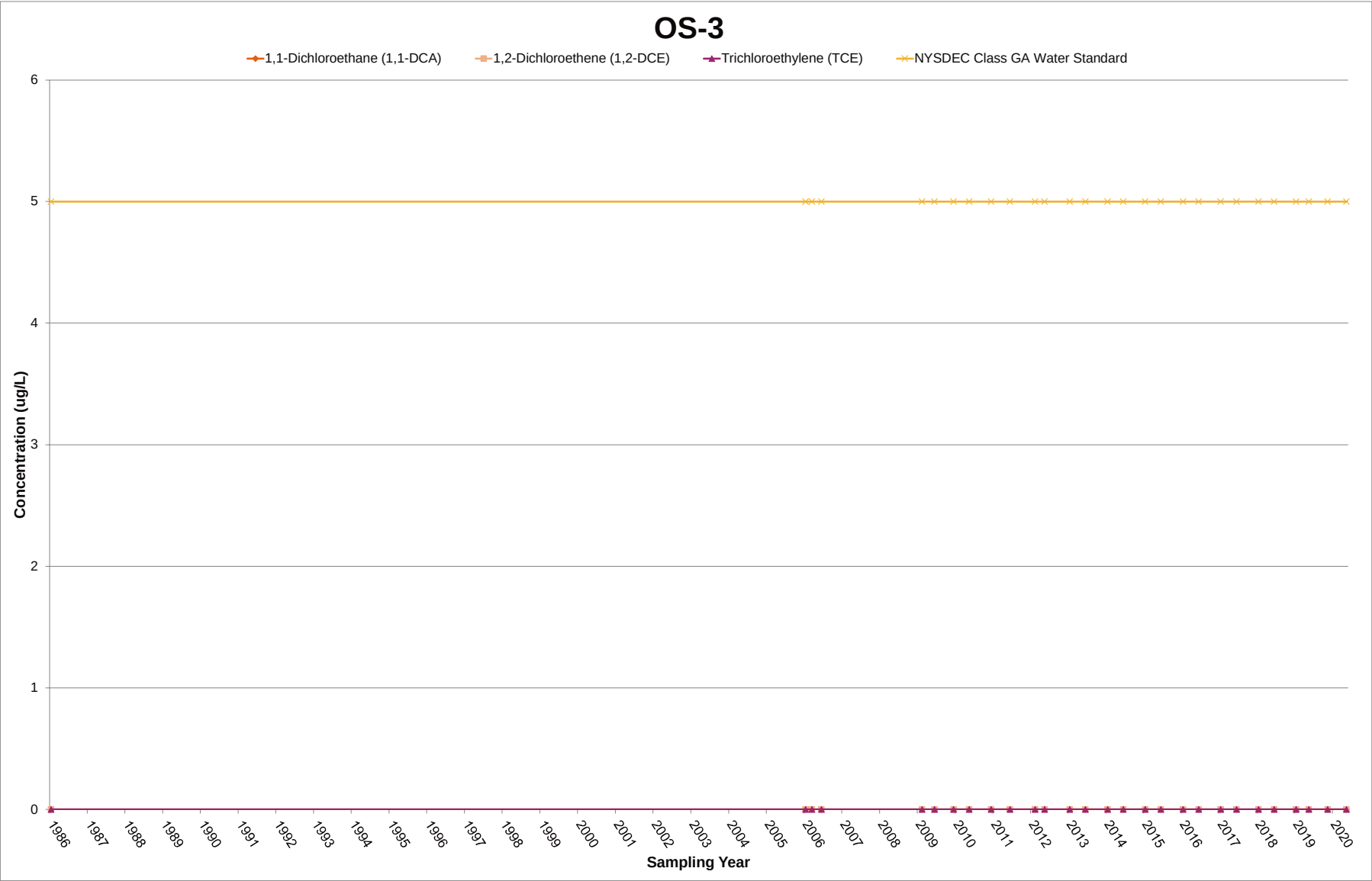


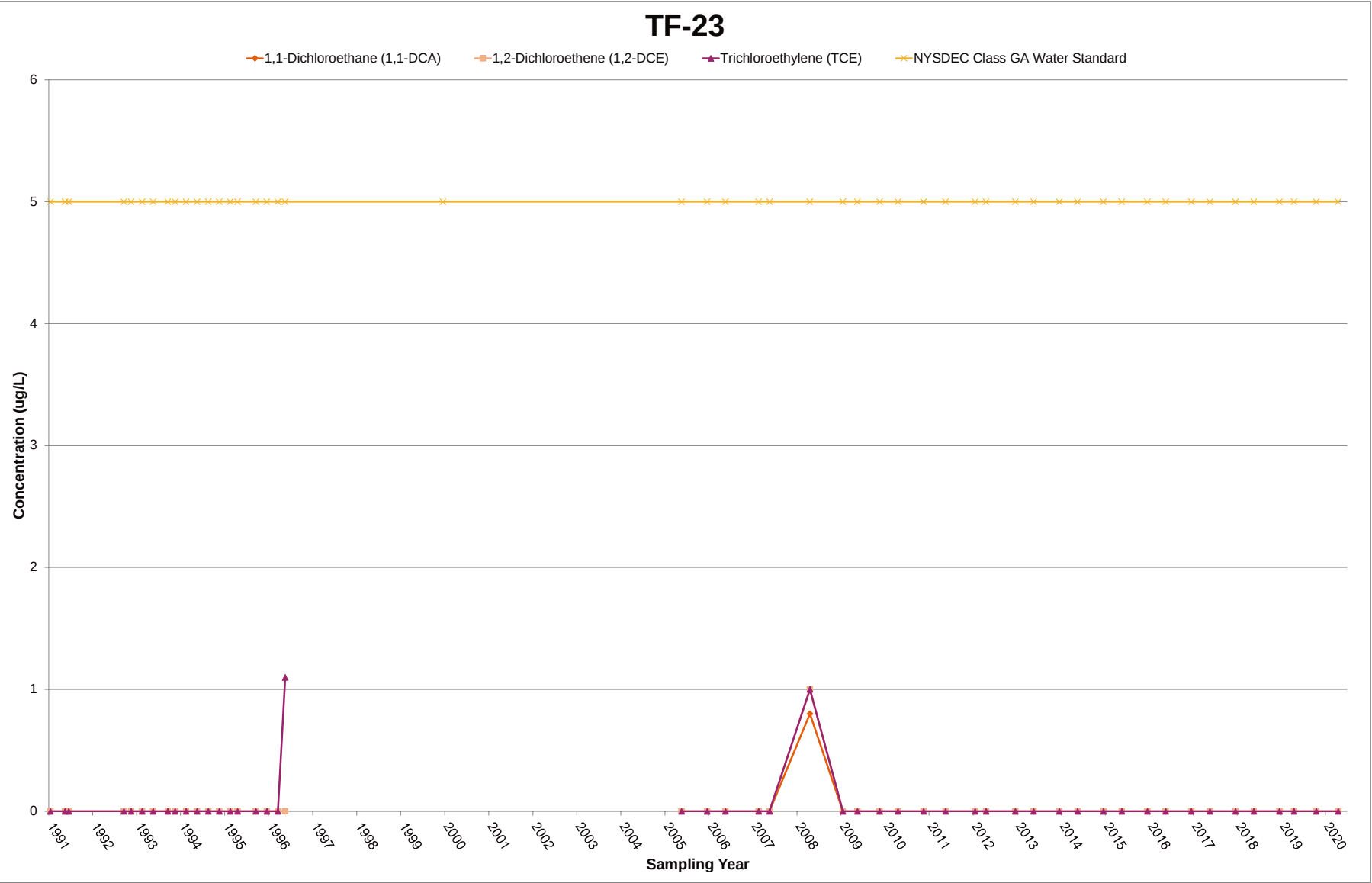


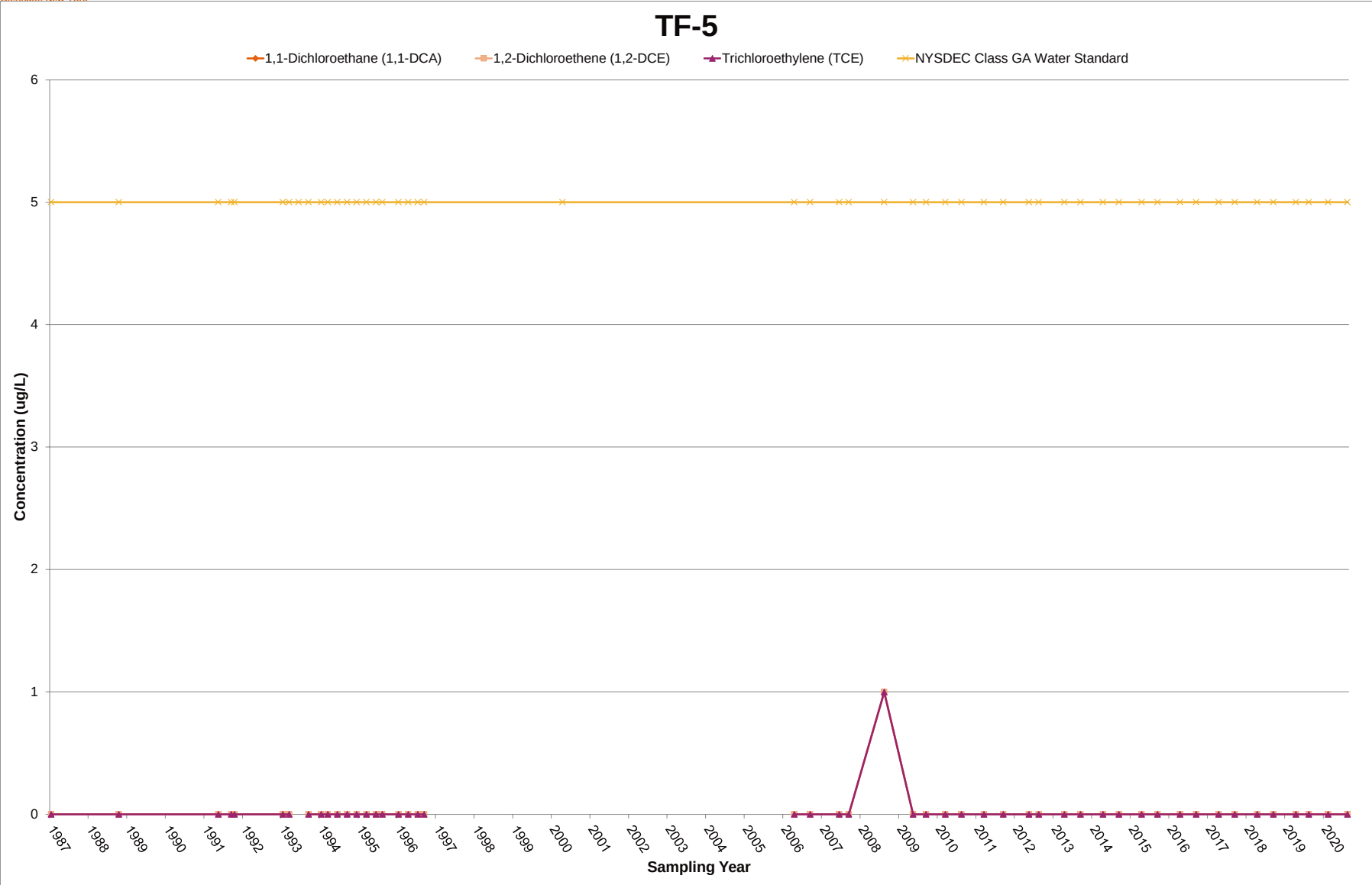












Arcadis of New York, Inc.

50 Millstone Road

Building 200

Suite 220

East Windsor, New Jersey 08520

Tel 609 860 0590

Fax 609 448 0890

www.arcadis.com

A decorative graphic consisting of three thin orange lines. One line is horizontal, extending across the width of the page. Two other lines are diagonal, intersecting the horizontal line and extending from the bottom left towards the top right.