Illinois Environmental Protection Agency

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RCRA FACILITY GROUNDWATER, LEACHATE AND GAS REPORTING FORM

This form must be used as a cover sheet for the notices and reports, identified below as required by: (1) a facility's RCRA interim status closure plan; (2) the RCRA interim status regulations; or (3) a facility's RCRA permit. All reports must be submitted to the Illinois EPA's Bureau of Land Permit Section. This form is for use by Hazardous Waste facilities only. Reporting for Solid Waste facilities should be submitted on a separate form. All reports submitted to the Illinois EPA's Bureau of Land Permit Section must contain an original, plus a minimum of two copies.

Note: This form is not to be used with permit or closure plan modification requests. The facility's approved permit or closure plan will state whether the document you are submitting is required as a report or a modification request.

Facility Name: Equilon Enterprises LLC dba Shell Oil Products US

Facility Address: 900 South Central Ave., Roxana, IL 62048

Site ID #: 1191150002 Fed ID #: ILD 080 012 305

Check the appropriate heading. Only one heading may be checked for each corresponding submittal. Check the appropriate sub-heading, where applicable. Attach the original and all copies behind this form.

☐ LPC-160 Forms

Groundwater	Leachate
___ Quarterly - Enter: 1, 2, 3, or 4	___ Quarterly - Enter: 1, 2, 3, or 4
☐ Semi-Annual	☐ Semi-Annual
☐ Annual	☐ Annual
☐ Biennial	☐ Biennial

☑ Groundwater Data (without LPC-160 Forms)

1 Quarterly - Enter: 1, 2, 3, or 4 ☐ Annual ☐ Semi-Annual ☐ Biennial

☐ Well Construction Information

- ☐ Well Construction Forms, Boring Logs and/or Abandonment Forms
- ☐ Well Survey Data (e.g., Stick-up Elevation Data)

☐ Notice of Statistically Significant Evidence of Groundwater Contamination (35 Ill. Adm. Code 724.198)

☐ Notice of Exceedence of Groundwater Concentration Limit (35 Ill. Adm. Code 724.199(h))

☐ Notice of Alternate Source or Error in Sampling Analysis or Evaluation of Groundwater (35 Ill. Adm. Code 724.199(i))

☐ Gas Monitoring Reports

☑ Other (identify)

Copies of this submittal sent separately directly to Amy Butler and Gina Search with IEPA.

AECOM
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St. Louis, MO 63102
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314 429 0100 tel
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April 13, 2021

Mr. Kenneth E. Smith, PE
Manager, Permit Section
Division of Land Pollution Control
Illinois Environmental Protection Agency
Bureau of Land
1021 North Grand Avenue East
Springfield, Illinois 62702

Groundwater Monitoring Report – 1st Quarter 2021
Roxana, Illinois
1191150002 – Madison County
Equilon Enterprises LLC d/b/a Shell Oil Products US
Log No. B-43R-CA-21

Dear Mr. Smith:

On behalf of Shell Oil Products US (SOPUS), AECOM is submitting the enclosed referenced report and RCRA Facility Groundwater, Leachate and Gas Reporting Form for your review. This sampling was required by Condition 7 of the Agency's letter dated August 5, 2010.

Copies of the referenced report are being submitted separately directly to Mses. Amy Butler and Gina Search with Illinois Environmental Protection Agency (IEPA).

If you have any questions during your review, please contact Leroy (Buddy) Bealer, SOPUS Principal Program Manager, at leroy.bealer@shell.com (484/632-7955), or Bob Mooshegian at robert.mooshegian@aecom.com (314/802-1185).

Sincerely,

AECOM, on behalf of Shell Oil Products US

Melissa Remiger
Environmental Scientist

Robert E. Mooshegian, STS
Senior Program Manager

Enclosures: 1st Quarter 2021 Report, Roxana Interim Groundwater Monitoring Program
RCRA Facility Groundwater, Leachate and Gas Reporting Form
(Original plus 1 copy)

cc: (Leroy (Buddy) Bealer, SOPUS
Thomas Morgan, Phillips 66
Amy Butler, IEPA, Springfield
Gina Search, IEPA, Collinsville
Michelle Knapp, Atlantic Richfield Company
Erika Reynolds, Greensfelder
Repositories – Roxana Public Library, website

AECOM

1st Quarter 2021 Report

Roxana Interim Groundwater Monitoring Program

Prepared for:
Equilon Enterprises LLC dba Shell Oil Products US
Roxana, Illinois

Project Number: 60648474
April 2021

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1 Introduction

AECOM Technical Services, Inc. (AECOM) is submitting this report on behalf of Equilon Enterprises LLC d/b/a Shell Oil Products US (SOPUS) for the 1st Quarter 2021 (1Q21) groundwater monitoring well gauging and sampling conducted in the Village of Roxana, Illinois (**Figure 1**). The Interim Groundwater Monitoring Program was established based on direction from Illinois Environmental Protection Agency (IEPA) dated August 5, 2010 (IEPA, 2010a), The study area within the Village of Roxana (Village) is generally bounded by the alley north of First Street, Illinois Route 111, the West Fenceline of the WRB Refining, LP (WRB) Wood River Refinery (WRR), and the Roxana Public Works Yard. Some groundwater monitoring wells within the WRR were also sampled as part of this event; this was conducted in cooperation with WRB/Phillips 66 (P66). For purposes of presentation in this report only, the combined area is collectively referred to as the "Investigation Area."

There was no regulatory-related correspondence between AECOM, on behalf of SOPUS, and the IEPA during this reporting period (January 2021 through March 2021); prior regulatory-related correspondence which has not yet been addressed by IEPA can be found in **Appendix A**.

Groundwater samples were collected and analyzed during 1Q21 to meet the requirements of the Interim Groundwater Monitoring Program, as specified in the guidance presented in **Appendix A**. **Figure 2** shows the groundwater monitoring wells that are part of the interim monitoring well network.

2 Groundwater Sampling and Analytical Procedures

The groundwater monitoring well gauging, sample collection, and analytical procedures are discussed in this section. Gauging and sampling procedures are based on the Interim Groundwater Monitoring Program, as outlined in the IEPA's letter dated August 5, 2010 (IEPA, 2010a) described in **Section 1**, and as modified based on other correspondence described in **Appendix A**. Groundwater samples and gauging data were collected using the most current AECOM standard operating procedures (SOPs) for the project.

2.1 Health & Safety

The quarterly sampling activities were performed in general accordance with the project-specific Health and Safety Plan (HASP), dated December 30, 2019 (AECOM, 2019).

In addition to HASP guidance, quarterly activities were performed in accordance with federal, state, AECOM, and site-specific COVID-19 procedures, following safe working precautions and social distancing recommendations.

Prior to beginning site work and at the start of work each day, a daily safety meeting was held. The purpose of this meeting was to discuss the day's planned activities and to address any potential health and safety concerns. As a part of the daily safety meeting, job hazard analyses (JHAs) were reviewed to address task specific safety concerns.

AECOM field personnel wore U.S. Environmental Protection Agency (USEPA) Level D personal protective equipment (PPE). In addition, work within the WRR was performed wearing flame retardant clothing (FRCs) per WRR requirements (in areas where required).

A PID with a 10.6 electron volt (eV) lamp, combustible gas indicator (CGI), and individual hydrogen sulfide gas detectors (for locations inside WRR) were used during the field activities to monitor air quality. A benzene gas monitor with a 9.8 eV lamp was available during field activities to monitor benzene levels, if necessary. Field instruments were calibrated prior to use each day in accordance with the manufacturers' specifications.

2.2 Additional Activities or Modifications

The following additional work activities were conducted during 1Q21:

- Depth to bottom measurements were collected from the groundwater monitoring wells in the Interim Groundwater Monitoring Program and compared to corresponding well construction information. No wells contained sediment above redevelopment criteria in the SOP (10% screen occlusion for sampled wells, and 75% screen occlusion for gauged-only wells); therefore, no redevelopment is necessary.
- During the comprehensive 1Q21 quarterly groundwater gauging event, LNAPL was not observed in groundwater monitoring well ROST-4-PZ(E); however, 0.01 feet of LNAPL was detected in ROST-4-PZ(E) on January 15, 2021 during the quarterly groundwater sampling event. Fluid level measurements were collected weekly from groundwater monitoring well ROST-4-PZ(E) following the quarterly groundwater sampling event as outlined in the IEPA's letter dated March 14, 2012 (IEPA, 2012a). On March 23, 2021, after two consecutive weeks of no LNAPL observed, the weekly gauging of groundwater monitoring well ROST-4-PZ(E) ceased.

2.3 Groundwater Monitoring Well Gauging and Sampling

Groundwater Monitoring Well Gauging

The comprehensive quarterly groundwater monitoring well gauging event was conducted between January 4 and 6, 2021. The gauging activities were conducted in conjunction with the 1Q21 gauging event for the WRR to evaluate groundwater flow direction and identify possible LNAPL in the Investigation Area. Depth to LNAPL (if present) and depth to water were noted in electronic format using Dell Rugged laptop computers (computer), or similar, and on groundwater field gauging sheets. Quarterly and weekly groundwater monitoring well gauging results can be found in **Table 1a** and **1b**. The groundwater gauging data table also includes well-head PID results.

Low-Flow Groundwater Purging and Sampling

Groundwater samples were collected from groundwater monitoring wells between January 7 and 18, 2021. Data are included in this report and discussed in **Section 3**.

Groundwater samples were collected using the most current low-flow groundwater purging and sampling SOPs. Prior to groundwater monitoring well sampling, the initial water level was measured and recorded in the computer and on low flow groundwater sampling data sheets.

Groundwater monitoring wells MW-1 through MW-14; MW-16; MW-22 through MW-28; P-54; P-56; P-57; P-59; P-66; P-74; P-93A, B, and C; P-114R; ROST-3-MW; ROST-4-PZ(C); ROST-4-PZ(G); and T-12 were purged and sampled using a Proactive™ Stainless Steel Monsoon Pump (pump), low-flow controller, and designated[1] polyethylene tubing. The pump and designated polyethylene tubing were slowly lowered into the groundwater monitoring well to be sampled and set with the pump intake near the midpoint of the groundwater monitoring well screen.

Groundwater monitoring well P-93D was purged and sampled using a dedicated stainless-steel QED Environmental Systems (QED) Well Wizard® groundwater sampling pump (Well Wizard®) and dedicated bonded polyethylene tubing. The Well Wizards® typically have a length of 42 inches, an outside diameter of 1.5 inches, and a Teflon® bladder capacity of approximately 495 milliliters (mL). The Well Wizard® and associated bonded polyethylene tubing are dedicated to each well and remain in place between sampling events. The dedicated pump intake is positioned near the midpoint of the well screen and the pump is operated using a QED MP10 MicroPurge® Controller and compressor.

For both sampling methods, the tubing from the sampling pump was connected to a flow-through cell, which discharged into a 5-gallon plastic container. Pumping was performed at a low flow rate (≤ 300 mL/minute) to minimize drawdown of the water level within the groundwater monitoring well. During groundwater purging, water quality parameters (pH, temperature, specific conductivity, turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP)) were measured and recorded on the low flow groundwater sampling data sheets after every flow-through cell volume. Purging continued until a minimum of three flow-through cell volumes of water were removed and the groundwater quality parameters stabilized, or a maximum purge time of two hours was reached. The final water quality parameters were recorded in the computer and on low flow groundwater sampling data sheets. Once stabilization was achieved or a maximum purge time of two hours was reached, the groundwater flow was diverted from the flow-through cell and groundwater samples were collected for VOCs and semi-volatile organic compound (SVOC) analysis.

Groundwater monitoring wells located inside the WRR and designated for sampling in the Interim Groundwater Monitoring Program, P-55R, P-58, and P-68, contained LNAPL when gauged and, therefore, were not sampled. Groundwater monitoring well ROST-4-PZ(E), located in the Village and designated for sampling in the Interim Groundwater Monitoring Program, did not contain LNAPL on January 4, 2021 when gauged during the groundwater gauging event. ROST-4-PZ(E) was gauged on January 15, 2021 during the quarterly groundwater sampling event; 0.01 feet of LNAPL was detected and therefore, well ROST-4-PZ(E) was not sampled.

[1] All designated tubing is stored in a sealed bag designated for a particular groundwater monitoring well between sampling events; designated tubing used with Proactive™ Stainless Steel Monsoon pumps is replaced annually prior to the first quarter sampling event.

Groundwater sampling field parameters can be found in **Table 2**, and low flow groundwater sampling data sheets are included in **Appendix B**.

2.4 Decontamination and Investigation-Derived Waste

Decontamination

Field personnel and equipment underwent decontamination procedures to ensure the health and safety of those present, to maintain sample integrity, and to minimize cross contamination. Reusable sampling equipment (e.g., groundwater pump) was decontaminated after each sample location using the most current decontamination SOPs.

Investigation-Derived Waste

Investigation-derived waste (IDW), such as purge water and decontamination fluid generated during groundwater sampling activities, was collected, stored, and disposed in accordance with RCRA, Illinois and United States Department of Transportation (DOT) regulations. Expendable materials (e.g., disposable sampling equipment such as gloves and tubing) were decontaminated, if necessary, collected in trash bags, and disposed as municipal waste.

Decontamination fluid and purge water from groundwater monitoring wells MW-4, MW-7, MW-8, and MW-25 were initially collected in 5-gallon plastic containers, then transferred to a 30-gallon steel drum, which was staged at the Public Works Yard (satellite accumulation area), and removed by Heritage Environmental Services, LLC (Heritage). This material is managed as hazardous waste based on prior characterization and was disposed at the Heritage facility in Indianapolis, Indiana.

Decontamination fluid and purge water from other groundwater monitoring wells in the Village were initially collected in 5-gallon plastic containers then transferred to 55-gallon steel drums located near the northeastern portion of the former Tannery Property (designated staging area). This material is managed as non-hazardous waste based on prior characterization and was disposed at the Heritage facility in Indianapolis, Indiana.

Decontamination fluid and purge water related to, or generated from, work within the WRR was collected and discharged through the WRR's National Pollutant Discharge Elimination System (NPDES)-permitted Wastewater Treatment Plant (WWTP).

2.5 Groundwater Sample Handling and Laboratory Testing

Samples were collected in pre-preserved laboratory-supplied containers and labeled in the field. Sample information was recorded on a chain of custody (COC) form at the time of collection. The sample ID format is "well ID-ROX-date". COCs are included with laboratory analytical reports in **Appendix C**.

Upon collection and labeling, sample containers were immediately placed inside an iced cooler and packed in such a way as to help prevent breakage and maintain sample temperature within 0-6°C without freezing. The samples were then delivered via overnight courier, under the proper COC documentation, to TestAmerica Laboratories, Inc. (TestAmerica) in Pensacola, Florida for analysis.

Samples were analyzed by TestAmerica for VOCs via USEPA Methods 8260B and 8011, for SVOCs via USEPA Method 8270D, and for Polycyclic Aromatic Hydrocarbons (PAHs) via USEPA Method 8270D Low Level (LL). USEPA Method 8011 was used for select VOCs (1,2-dibromoethane and 1,2-dibromo-3-chloropropane) in order to achieve lower reporting limits specified in the most recent version of the Permit. Per direction from IEPA, the Interim Groundwater Monitoring Program concentration limits need to be consistent with those in the Permit.

2.6 Data Quality Review and Data Management

Laboratory data were provided in electronic form and included data qualifiers on the basis of the laboratory's quality control or to indicate sample analysis information. The data were independently reviewed and qualified by AECOM.

One hundred percent of the data were subjected to a data quality review and ten percent of the data were further subjected to Level 4 data validation. Evaluation of the data followed procedures outlined in the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2017). Data qualifiers were also added by AECOM, as appropriate, and are included on **Table 3** and in the laboratory results in **Appendix C**. The results of the data quality review are discussed in **Section 3.2**.

Field data and documentation collected as part of this scope of work became part of the project file. AECOM maintains the files for the site and the database management system.

The following documentation was completed and supplements the COC records:

- Field logbooks;
- Equipment calibration forms;
- Groundwater field gauging sheets;
- Low Flow Groundwater Sampling Data Sheets;
- Field sample collection data via computer; and
- Safety documentation.

3 Groundwater Sampling Results

This section presents the results of the 1Q21 groundwater gauging and sampling event.

3.1 Groundwater Monitoring Well Gauging Results

The comprehensive quarterly groundwater monitoring well gauging for the 1Q21 event was conducted between January 4 and 6, 2021; re-gauging was conducted on January 8, 2021 at P-56 and P-73 to confirm initial gauging results. This groundwater monitoring well gauging was conducted in accordance with the Interim Groundwater Monitoring Program, and the results can be found in **Table 1a**. Groundwater levels in most wells in the vicinity of the West Fenceline have fallen approximately 1 to 1.25 feet since the 4Q20 gauging event. Groundwater levels in most wells in the central portion of the WRR have fallen approximately 1 to 2 feet, and groundwater levels in most wells in the eastern portion of the WRR have fallen approximately 1.25 to 1.5 since the 4Q20 gauging event. Water levels are above the top of the screens in the majority of the wells gauged during the 1Q21 event. The potentiometric surface observed during the 1Q21 groundwater monitoring well gauging (**Figures 3a** and **3b**) illustrates groundwater flow toward the WRR groundwater production wells.

During the 1Q21 quarterly groundwater monitoring well gauging event, LNAPL was detected in three Interim Groundwater Monitoring Program groundwater monitoring wells (P-55R, P-58, and P-68) (**Table 1a**). These monitoring wells are located in the WRR. In these wells, LNAPL thicknesses ranged from 0.01 to 0.04 feet. During the 1Q21 quarterly groundwater gauging event, LNAPL was not observed in groundwater monitoring wells located in the Village; however, 0.01 feet of LNAPL was detected in ROST-4-PZ(E) during the quarterly groundwater sampling event (**Table 1a** and **1b**). **Figures 4a** and **4b** illustrate the measured LNAPL thickness observed along the West Fenceline and inside the refinery, respectively, during the 1Q21 gauging event.

LNAPL thickness greater than 0.10 feet was not observed during 1Q21; therefore, LNAPL recovery efforts were not performed during 1Q21.

3.2 Data Quality Review Results

A total of eight sample delivery groups (SDGs) were prepared and sent to TestAmerica for the 1Q21 event. Fifty-one different groundwater sample sets were prepared and analyzed for VOCs and SVOCs (including PAHs). The 51 samples included 40 different investigative sample sets, five field duplicate sets, and three matrix spike/matrix spike duplicate (MS/MSD) sets. SDGs for 1Q21 are presented in **Appendix C**.

Trip blanks (TBs), equipment blanks (EBs), and laboratory method blanks were analyzed to evaluate for the existence and magnitude of any contamination resulting from field and laboratory activities. Five different EB sets were collected for this quarter. A TB set was included in every cooler that contained samples for VOC analysis. A total of 14 TB sets were analyzed for groundwater VOCs. Laboratory method blanks were analyzed with every analytical batch.

Based on laboratory control sample (LCS), MS/MSD, surrogate, holding time, and field duplicate criteria, the groundwater analytical results reported were accepted for their intended use, with the exception of rejected aniline data in sample MW14-ROX-011121. Information provided by the laboratory indicates the aniline detected is likely carryover contamination from another client's sample within the same preparatory batch. Based on this information and the absence of aniline detections in other samples collected during this sampling event, as well as historical samples, the aniline result in MW14-ROX-011121 was rejected. Due to anomalous bis(2-ethylhexyl) phthalate results, the laboratory re-extracted and re-analyzed for bis(2-ethylhexyl) phthalate in ten investigative samples and laboratory method blanks; bis(2-ethylhexyl) phthalate is a common laboratory and field contaminant. The extraction holding time criteria was exceeded for the re-extracted samples; however, the results from these re-analyses were consistent with historical data

(non-detect or below screening value). Based on professional judgement, the results from the re-analyses were used for the purposes of this report. Analytical results qualified by AECOM are specified in the data reviews presented in **Appendix C**.

3.3 Analytical Results and Discussion

Table 2 presents cumulative information on groundwater sampling field parameters for Main Sand aquifer wells. These results are consistent with those observed in the 4Q20 sampling event. The laboratory analytical results for the groundwater samples collected during this event are presented in **Table 3**.

Analytical detections were compared to the concentration limits as provided in Condition IV(E)(1) of the Permit for the WRB Refining LP Wood River Refinery[2]. These concentration limits include the Groundwater Quality Standards for Class I: Potable Resource Groundwater (35 IAC 620, Subpart D, Section 410) (Part 620) (IEPA, 2012c), the IEPA Tiered Approach to Corrective Action Objectives (TACO) Tier 1 Groundwater Remediation Objectives for the Groundwater Component of the Groundwater Ingestion Route (35 IAC 742, Appendix B, Table E) (IEPA, 2007), and the IEPA Toxicity Assessment Unit (Chemicals not in TACO, Tier 1 Tables) (IEPA, 2018). Where screening values were available from multiple sources from the ones mentioned above, screening values from Part 620 were used preferentially over the screening values found in TACO and Chemicals not in TACO sources. All three sources are checked on a quarterly basis to ensure the most current published screening values are being used. The results of this screening comparison are presented in **Table 3**.

Samples from 13 groundwater monitoring wells in the Interim Groundwater Monitoring Program (six in the Village, seven in the WRR along the West Fenceline) exhibited exceedances of the groundwater screening criteria for one or more of the following constituents:

- Benzene
- Benzo(a)anthracene
- Benzo(k)fluoranthene
- 2-Methylnaphthalene
- Phenol
- 1,2,4-Trimethylbenzene
- Benzo(b)fluoranthene
- D benzo(a,h)anthracene
- Pentachlorophenol

Figure 5 presents concentrations of analytes that exceeded the indicated screening criteria for 1Q21. These findings are generally consistent with the results from previous sampling events. During the 1Q21 event pentachlorophenol was outside historical range in MW-13; pentachlorophenol was confirmed by the laboratory. Well MW-13 will be sampled April 2021 during the 2nd Quarter 2021 (2Q21) Roxana Interim Groundwater Monitoring program. **Figure 6** presents a plan view depiction of benzene analytical results in groundwater across the site. **Figure 7** presents a cross-section along Chaffer Avenue with a vertical distribution of the benzene concentrations in groundwater superimposed. **Figure 8** presents a cross-section across the Roxana Public Works Yard with a vertical distribution of the benzene analytical results in groundwater superimposed.

Appendix D contains benzene concentration trend plots for selected monitoring wells[3] to represent groundwater conditions in the 4th Street area and Public Works Yard area, respectively:

- 4th Street area – MW-22, ROST-4 PZ(C), P-59, and T-12
- Public Works Yard area – MW-7, MW-8, MW-25, and P-57

The data used to develop the plots are included in **Table D-1**.

[2] IEPA requested that the Interim Groundwater Monitoring Program be consistent with the RCRA Part B Permit.
[3] In a meeting with IEPA on April 5, 2018, the AECOM presentation included benzene concentration trend plots pertinent to GMZ discussion. IEPA verbally requested that benzene concentration trend plots for selected monitoring wells be incorporated into Roxana Program quarterly reports.

4 Summary and Conclusions

AECOM conducted the 1Q21 Interim Groundwater Monitoring Program, and the following conclusions are based on the data and information collected as part of this program:

- During 1Q21, groundwater level data indicate groundwater flow from the Investigation Area is moving toward groundwater production wells at the WRR. Groundwater levels in most wells in the vicinity of the West Fenceline have fallen approximately 1 to 1.25 feet since the 4Q20 gauging event. Groundwater levels in most wells in the central portion of the WRR have fallen approximately 1 to 2 feet, and groundwater levels in most wells in the eastern portion of the WRR have fallen 1.25 to 1.5 since the previous quarter.
- The analytical results from 1Q21 are generally similar to those from previous quarters, with the exception of:
  - pentachlorophenol outside historical range in MW-13; pentachlorophenol was confirmed by the laboratory. Well MW-13 will be sampled during the 2Q21 Roxana Interim Groundwater Monitoring program.
- Benzene concentration plots presented in **Appendix D** continue to show stable or decreasing trends.
- The data and observations presented in this groundwater monitoring report provide further support for the conclusions and requested course of action presented in the proposed Groundwater Management Zone (GMZ) (AECOM 2016b).

4.1 Limitations

SOPUS shall have the right to make and retain copies of and use all Work Product provided. However, such use shall be limited to the particular Site and project for which the Work Product is provided. SOPUS and its agents may release the Work Product to third parties at its sole risk and discretion. This report is based on data, site conditions, and other information that is generally applicable as of the date of this report, and the conclusions and recommendations herein are therefore applicable only to that time frame and to the report in its entirety.

Data may have been provided to AECOM by SOPUS or a third party and used in preparing this report. AECOM has relied on this information as furnished, and is neither responsible for, nor has confirmed the accuracy of this information.

5 References

AECOM, 2015 (AECOM, 2015); *Demonstration to Verify the Extent of Groundwater Contamination Has Been Delineated Roxana, Illinois.* Prepared for Shell Oil Products US (SOPUS), dated April 16, 2015.

AECOM, 2016 (AECOM, 2016a); *Additional Information – Groundwater Management Zone*. Prepared for Shell Oil Products US (SOPUS), dated January 29, 2016.

AECOM, 2016 (AECOM, 2016b); *Proposed Groundwater Management Zone*. Prepared for Shell Oil Products US (SOPUS), dated May 19, 2016.

AECOM, 2016 (AECOM, 2016c); *Response to IEPA Letter dated July 27, 2016 – Groundwater Conditions near East 3rd and Chaffer Streets*. Prepared for Shell Oil Products US (SOPUS), dated October 14, 2016.

AECOM, 2017 (AECOM, 2017a); *TACO Tier 3 Demonstration Report*. Prepared for Shell Oil Products US (SOPUS), dated April 27, 2017.

AECOM, 2017 (AECOM, 2017b); *TACO Tier 3 Demonstration – Response to Agency comments provided between June 30 and October 6, 2017*. Prepared for Shell Oil Products US (SOPUS), dated November 22, 2017.

AECOM, 2018 (AECOM, 2018a); *Response to IEPA Emails dated October 4-23, 2017 – GMZ Response to Comments*. Prepared for Shell Oil Products US (SOPUS), dated January 2, 2018.

AECOM, 2018 (AECOM, 2018b); *Groundwater Management Zone – Additional Information*. Prepared for Shell Oil Products US (SOPUS), dated September 26, 2018.

AECOM, 2019 (AECOM, 2019); *Shell HAZWOPER Health and Safety Plan: Rand Avenue, Roxana / Route 111, and WRR Investigation and Remediation*. Prepared for Shell Oil Products US (SOPUS), dated December 30, 2019.

AECOM, 2020 (AECOM, 2020a); *Response to IEPA Notice of Permit Renewal Application Incompleteness*. Prepared for Shell Oil Products US (SOPUS) and WRB Refining LP (WRB) Wood River Refinery (WRR), dated September 4, 2020.

AECOM, 2020 (AECOM, 2020b); *Class 1* Permit Modification – Response to Condition 4.b. in Attachment A and Condition V.D.3. of the 12/20/2019 IEPA Letter with Modified Permit*. Prepared for SOPUS, dated October 12, 2020.

Illinois Environmental Protection Agency, 2007 (IEPA, 2007); 35 Illinois Administrative Code 742, Tiered Approach to Corrective Action Objectives. Appendix B. *Table E – Tier 1 Groundwater Remediation Objectives for the Groundwater Component of the Groundwater Ingestion Route*. Effective February 23, 2007; accessed on February 12, 2021.

Illinois Environmental Protection Agency, 2010 (IEPA, 2010a); *Letter providing approval with comments the SOPUS 2010 Delineation Report*. Issued to Shell Oil Products US (SOPUS), dated August 5, 2010.

Illinois Environmental Protection Agency, 2010 (IEPA, 2010b); *Hazardous Waste Management RCRA Post-Closure Permit.* Issued to Shell Oil Products US (SOPUS) at the WRB Refining LP Wood River Refinery (WRB WRR), issued September 23, 2010; effective October 28, 2010; modified April 2, 2013; modified June 13, 2014; modified November 25, 2014; modified July 29, 2015; modified December 20, 2019.

Illinois Environmental Protection Agency, 2011 (IEPA, 2011a); *Corrective Action Letter for the West Fenceline*. Issued to Shell Oil Products US (SOPUS) and WRB Refining LP (WRB) Wood River Refinery (WRR), dated June 16, 2011.

Illinois Environmental Protection Agency, 2011 (IEPA, 2011b); *RCRA Response to Groundwater for Second Quarter 2011*. Issued to Shell Oil Products US (SOPUS) and WRB Refining LP (WRB) Wood River Refinery (WRR), dated August 31, 2011.

Illinois Environmental Protection Agency, 2012 (IEPA, 2012a); *Letter (CA-24) in response to ROST-4-PZ Delineation and Sampling Report.* Issued to Shell Oil Products US (SOPUS), dated March 14, 2012.

Illinois Environmental Protection Agency, 2012 (IEPA, 2012b); *Letter (CA-25) in Response to Agency Comments Provided in June 16, 2011 Letter.* Issued to Shell Oil Products US (SOPUS), dated March 14, 2012.

Illinois Environmental Protection Agency, 2012 (IEPA, 2012c); 35 Illinois Administrative Code 620, Subpart D, Section 410. *Groundwater Quality Standards for Class 1: Potable Resource Groundwater (Part 620)*. Effective October 5, 2012; accessed on February 12, 2021.

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Tables

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
MW 01											
2Q18	442.65	4/2/2018	NE	40.76	NA	NA	NA	401.89	393.85 - 383.85 (48.80 - 58.80)	0.0	*
3Q18		7/2/2018	NE	41.36	NA	NA	NA	401.29		0.0	*
4Q18		10/1/2018	NE	41.25	NA	NA	NA	401.40		0.0	*
1Q19		1/2/2019	NE	41.04	NA	NA	NA	401.61		0.0	*
2Q19		4/1/2019	NE	41.00	NA	NA	NA	401.65		0.0	*
3Q19	442.83	7/1/2019	NE	36.65	NA	NA	NA	406.18	394.03 - 384.03 (48.80 - 58.80)	0.0	*
4Q19		10/1/2019	NE	35.66	NA	NA	NA	407.17		0.1	*
1Q20		1/2/2020	NE	36.89	NA	NA	NA	405.94		0.0	*
2Q20		4/1/2020	NE	36.72	NA	NA	NA	406.11		0.0	*
3Q20		7/6/2020	NE	35.59	NA	NA	NA	407.24		0.0	*
4Q20		10/6/2020	NE	36.03	NA	NA	NA	406.80		0.1	*
1Q21		1/5/2021	NE	37.23	NA	NA	NA	405.60		0.0	*
MW 02											
2Q18	443.77	4/3/2018	NE	41.84	NA	NA	NA	401.93	393.90 - 383.90 (49.87 - 59.87)	62.2	*
3Q18		7/2/2018	NE	42.78	NA	NA	NA	400.99		70.0	*
4Q18		10/1/2018	NE	42.68	NA	NA	NA	401.09		1460	*
1Q19		1/2/2019	NE	42.44	NA	NA	NA	401.33		118	*
2Q19		4/1/2019	NE	42.49	NA	NA	NA	401.28		250	*
3Q19	443.93	7/1/2019	NE	38.26	NA	NA	NA	405.67	394.06 - 384.06 (49.87 - 59.87)	200	*
4Q19		10/1/2019	NE	37.11	NA	NA	NA	406.82		34.6	*
1Q20		1/2/2020	NE	38.39	NA	NA	NA	405.54		0.0	*
2Q20		4/1/2020	NE	38.19	NA	NA	NA	405.74		139	*
3Q20		7/6/2020	NE	37.03	NA	NA	NA	406.90		130	*
4Q20		10/5/2020	NE	37.45	NA	NA	NA	406.48		68.7	*
1Q21		1/4/2021	NE	38.51	NA	NA	NA	405.42		42.0	*
MW 03											
2Q18	430.08	4/2/2018	NE	28.03	NA	NA	NA	402.05	395.41 - 385.41 (34.67 - 44.67)	0.0	*
3Q18		7/2/2018	NE	28.32	NA	NA	NA	401.76		0.2	*
4Q18		10/1/2018	NE	28.20	NA	NA	NA	401.88		0.0	*
1Q19		1/2/2019	NE	27.95	NA	NA	NA	402.13		0.0	*
2Q19		4/1/2019	NE	27.85	NA	NA	NA	402.23		0.0	*
3Q19	430.23	7/1/2019	NE	23.10	NA	NA	NA	407.13	395.56 - 385.56 (34.67 - 44.67)	0.0	*
4Q19		10/1/2019	NE	22.53	NA	NA	NA	407.70		0.0	*
1Q20		1/2/2020	NE	23.74	NA	NA	NA	406.49		0.0	*
2Q20		4/1/2020	NE	23.75	NA	NA	NA	406.48		0.0	*
3Q20		7/6/2020	NE	22.55	NA	NA	NA	407.68		0.0	*
4Q20		10/6/2020	NE	23.31	NA	NA	NA	406.92		0.0	*
1Q21		1/5/2021	NE	24.59	NA	NA	NA	405.64		0.0	*
MW 04											
2Q18	441.14	4/2/2018	NE	39.26	NA	NA	NA	401.88	396.08 - 386.08 (45.06 - 55.06)	29.2	*
3Q18		7/2/2018	NE	39.73	NA	NA	NA	401.41		0.0	*
4Q18		10/1/2018	NE	39.64	NA	NA	NA	401.50		0.0	*
1Q19		1/2/2019	NE	39.38	NA	NA	NA	401.76		0.0	*
2Q19		4/1/2019	NE	39.27	NA	NA	NA	401.87		0.0	*
3Q19	441.31	7/1/2019	NE	34.84	NA	NA	NA	406.47	396.25 - 386.25 (45.06 - 55.06)	16.9	*
4Q19		10/1/2019	NE	33.97	NA	NA	NA	407.34		0.7	*
1Q20		1/2/2020	NE	35.25	NA	NA	NA	406.06		0.0	*
2Q20		4/1/2020	NE	35.14	NA	NA	NA	406.17		0.0	*
3Q20		7/6/2020	NE	33.99	NA	NA	NA	407.32		0.0	*
4Q20		10/6/2020	NE	34.52	NA	NA	NA	406.79		0.0	*
1Q21		1/5/2021	NE	35.73	NA	NA	NA	405.58		0.0	*
MW 05											
2Q18	429.80	4/2/2018	NE	27.73	NA	NA	NA	402.07	395.83 - 385.83 (33.97 - 43.97)	0.0	*
3Q18		7/2/2018	NE	27.99	NA	NA	NA	401.81		0.1	*
4Q18		10/2/2018	NE	27.93	NA	NA	NA	401.87		0.0	*
1Q19		1/2/2019	NE	27.64	NA	NA	NA	402.16		0.0	*
2Q19		4/1/2019	NE	27.50	NA	NA	NA	402.30		0.0	*
3Q19	429.98	7/1/2019	NE	22.80	NA	NA	NA	407.18	396.01 - 386.01 (33.97 - 43.97)	4.1	*
4Q19		10/1/2019	NE	22.24	NA	NA	NA	407.74		0.0	*
1Q20		1/2/2020	NE	23.46	NA	NA	NA	406.52		0.0	*
2Q20		4/1/2020	NE	23.44	NA	NA	NA	406.54		0.0	*
3Q20		7/6/2020	NE	22.25	NA	NA	NA	407.73		0.0	*
4Q20		10/6/2020	NE	23.01	NA	NA	NA	406.97		0.1	*
1Q21		1/5/2021	NE	24.25	NA	NA	NA	405.73		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
MW 06A											
2Q18	432.14	4/2/2018	NE	29.82	NA	NA	NA	402.32	398.29 - 388.29 (33.85 - 43.85)	0.0	*
3Q18		7/2/2018	NE	30.05	NA	NA	NA	402.09		0.0	*
4Q18		10/2/2018	NE	30.03	NA	NA	NA	402.11		0.0	*
1Q19		1/2/2019	NE	29.77	NA	NA	NA	402.37		0.0	*
2Q19		4/2/2019	NE	29.42	NA	NA	NA	402.72		0.0	*
3Q19	432.33	7/1/2019	NE	24.94	NA	NA	NA	407.39	398.48 - 388.48 (33.85 - 43.85)	0.0	*
4Q19		10/1/2019	NE	24.40	NA	NA	NA	407.93		0.0	*
1Q20		1/2/2020	NE	25.60	NA	NA	NA	406.73		0.0	*
2Q20		4/1/2020	NE	25.59	NA	NA	NA	406.74		0.0	*
3Q20		7/6/2020	NE	24.38	NA	NA	NA	407.95		0.0	*
4Q20		10/6/2020	NE	25.16	NA	NA	NA	407.17		0.0	*
1Q21		1/4/2021	NE	26.33	NA	NA	NA	406.00		0.0	*
MW 06B											
2Q18	432.29	4/2/2018	NE	29.88	NA	NA	NA	402.41	368.24 - 363.24 (64.05 - 69.05)	0.0	*
3Q18		7/2/2018	NE	30.10	NA	NA	NA	402.19		0.0	*
4Q18		10/2/2018	NE	30.09	NA	NA	NA	402.20		0.0	*
1Q19		1/2/2019	NE	29.81	NA	NA	NA	402.48		0.0	*
2Q19		4/2/2019	NE	29.46	NA	NA	NA	402.83		0.0	*
3Q19	432.37	7/1/2019	NE	24.97	NA	NA	NA	407.40	368.32 - 363.32 (64.05 - 69.05)	0.0	*
4Q19		10/1/2019	NE	24.47	NA	NA	NA	407.90		0.1	*
1Q20		1/2/2020	NE	25.66	NA	NA	NA	406.71		0.0	*
2Q20		4/1/2020	NE	25.64	NA	NA	NA	406.73		0.0	*
3Q20		7/6/2020	NE	24.44	NA	NA	NA	407.93		0.0	*
4Q20		10/6/2020	NE	25.19	NA	NA	NA	407.18		0.0	*
1Q21		1/4/2021	NE	26.38	NA	NA	NA	405.99		0.0	*
MW 06C											
2Q18	432.11	4/2/2018	NE	29.68	NA	NA	NA	402.43	347.16 - 342.16 (84.95 - 89.95)	0.0	*
3Q18		7/2/2018	NE	29.90	NA	NA	NA	402.21		0.0	*
4Q18		10/2/2018	NE	29.87	NA	NA	NA	402.24		0.0	*
1Q19		1/2/2019	NE	29.61	NA	NA	NA	402.50		0.0	*
2Q19		4/2/2019	NE	29.25	NA	NA	NA	402.86		0.0	*
3Q19	432.18	7/1/2019	NE	24.77	NA	NA	NA	407.41	347.23 - 342.23 (84.95 - 89.95)	0.0	*
4Q19		10/1/2019	NE	24.25	NA	NA	NA	407.93		0.1	*
1Q20		1/2/2020	NE	25.46	NA	NA	NA	406.72		0.0	*
2Q20		4/1/2020	NE	25.40	NA	NA	NA	406.78		0.0	*
3Q20		7/6/2020	NE	24.23	NA	NA	NA	407.95		0.0	*
4Q20		10/6/2020	NE	24.99	NA	NA	NA	407.19		0.0	*
1Q21		1/4/2021	NE	26.16	NA	NA	NA	406.02		0.0	*
MW 06D											
2Q18	431.99	4/2/2018	NE	29.53	NA	NA	NA	402.46	327.27 - 322.27 (104.72 - 109.72)	0.0	*
3Q18		7/2/2018	NE	29.74	NA	NA	NA	402.25		0.0	*
4Q18		10/2/2018	NE	29.72	NA	NA	NA	402.27		0.0	*
1Q19		1/2/2019	NE	29.45	NA	NA	NA	402.54		0.0	*
2Q19		4/2/2019	NE	29.11	NA	NA	NA	402.88		0.0	*
3Q19	432.06	7/1/2019	NE	24.60	NA	NA	NA	407.46	327.34 - 322.34 (104.72 - 109.72)	0.0	*
4Q19		10/1/2019	NE	24.09	NA	NA	NA	407.97		0.0	*
1Q20		1/2/2020	NE	25.31	NA	NA	NA	406.75		0.0	*
2Q20		4/1/2020	NE	25.25	NA	NA	NA	406.81		0.0	*
3Q20		7/6/2020	NE	24.09	NA	NA	NA	407.97		0.0	*
4Q20		10/6/2020	NE	24.85	NA	NA	NA	407.21		0.0	*
1Q21		1/5/2021	NE	26.03	NA	NA	NA	406.03		0.0	*
MW 07											
2Q18	443.10	4/2/2018	NE	41.32	NA	NA	NA	401.78	400.18 - 390.18 (42.92 - 52.92)	490	*
3Q18		7/2/2018	NE	41.76	NA	NA	NA	401.34		5380	*
4Q18		10/2/2018	NE	41.72	NA	NA	NA	401.38		15000	*
1Q19		1/2/2019	NE	41.45	NA	NA	NA	401.65		2574	*
2Q19		4/1/2019	NE	41.33	NA	NA	NA	401.77		683	*
3Q19	443.31	7/1/2019	NE	36.94	NA	NA	NA	406.37	400.39 - 390.39 (42.92 - 52.92)	9714	*
4Q19		10/1/2019	NE	36.08	NA	NA	NA	407.23		3349	*
1Q20		1/2/2020	NE	37.39	NA	NA	NA	405.92		1900	*
2Q20		4/1/2020	NE	37.34	NA	NA	NA	405.97		5935	*
3Q20		7/6/2020	NE	36.07	NA	NA	NA	407.24		5498	*
4Q20		10/5/2020	NE	36.64	NA	NA	NA	406.67		6064	*
1Q21		1/4/2021	NE	37.75	NA	NA	NA	405.56		1026	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
MW 08											
2Q18	434.11	4/2/2018	NE	32.24	NA	NA	NA	401.87	400.51 - 390.51 (33.60 - 43.60)	169	*
3Q18		7/2/2018	NE	32.54	NA	NA	NA	401.57		231	*
4Q18		10/2/2018	NE	32.47	NA	NA	NA	401.64		1.4	*
1Q19		1/2/2019	NE	32.20	NA	NA	NA	401.91		0.0	*
2Q19		4/1/2019	NE	32.06	NA	NA	NA	402.05		0.0	*
3Q19	434.43	7/1/2019	NE	27.49	NA	NA	NA	406.94	400.83 - 390.83 (33.60 - 43.60)	6186	*
4Q19		10/1/2019	NE	26.85	NA	NA	NA	407.58		43.8	*
1Q20		1/2/2020	NE	28.06	NA	NA	NA	406.37		2.7	*
2Q20		4/1/2020	NE	28.02	NA	NA	NA	406.41		0.0	*
3Q20		7/6/2020	NE	26.64	NA	NA	NA	407.79		25.4	*
4Q20		10/6/2020	NE	27.49	NA	NA	NA	406.94		0.1	*
1Q21		1/4/2021	NE	28.73	NA	NA	NA	405.70		0.0	*
MW 09											
2Q18	445.20	4/3/2018	NE	42.12	NA	NA	NA	403.08	399.16 - 389.16 (46.04 - 56.04)	0.0	*
3Q18		7/2/2018	NE	42.86	NA	NA	NA	402.34		0.0	*
4Q18		10/1/2018	NE	42.91	NA	NA	NA	402.29		0.0	*
1Q19		1/3/2019	NE	42.85	NA	NA	NA	402.35		0.0	*
2Q19		4/1/2019	NE	42.90	NA	NA	NA	402.30		0.0	*
3Q19	445.28	7/1/2019	NE	39.16	NA	NA	NA	406.12	399.24 - 389.24 (46.04 - 56.04)	1.9	*
4Q19		10/1/2019	NE	37.90	NA	NA	NA	407.38		0.0	*
1Q20		1/2/2020	NE	38.61	NA	NA	NA	406.67		0.0	*
2Q20		4/1/2020	NE	38.52	NA	NA	NA	406.76		0.0	*
3Q20		7/6/2020	NE	37.26	NA	NA	NA	408.02		0.0	*
4Q20		10/5/2020	NE	37.48	NA	NA	NA	407.80		0.0	*
1Q21		1/4/2021	NE	38.57	NA	NA	NA	406.71		0.0	*
MW 10											
2Q18	445.03	4/2/2018	NE	42.10	NA	NA	NA	402.93	400.60 - 390.60 (44.43 - 54.43)	0.0	*
3Q18		7/2/2018	NE	42.94	NA	NA	NA	402.09		0.0	*
4Q18		10/2/2018	NE	43.08	NA	NA	NA	401.95		0.0	*
1Q19		1/2/2019	NE	43.02	NA	NA	NA	402.01		0.0	*
2Q19		4/1/2019	NE	43.20	NA	NA	NA	401.83		5.3	*
3Q19	445.06	7/1/2019	NE	39.75	NA	NA	NA	405.31	400.63 - 390.63 (44.43 - 54.43)	0.0	*
4Q19		10/1/2019	NE	38.24	NA	NA	NA	406.82		0.0	*
1Q20		1/2/2020	NE	38.79	NA	NA	NA	406.27		0.0	*
2Q20		4/1/2020	NE	38.54	NA	NA	NA	406.52		0.0	*
3Q20		7/6/2020	NE	37.17	NA	NA	NA	407.89		0.0	*
4Q20		10/5/2020	NE	37.33	NA	NA	NA	407.73		0.0	*
1Q21		1/4/2021	NE	38.38	NA	NA	NA	406.68		0.0	*
MW 11											
2Q18	442.33	4/2/2018	NE	39.93	NA	NA	NA	402.40	400.67 - 390.67 (41.66 - 51.66)	0.0	*
3Q18		7/2/2018	NE	40.59	NA	NA	NA	401.74		0.0	*
4Q18		10/1/2018	NE	40.58	NA	NA	NA	401.75		0.0	*
1Q19		1/3/2019	NE	40.46	NA	NA	NA	401.87		0.0	*
2Q19		4/1/2019	NE	40.47	NA	NA	NA	401.86		0.0	*
3Q19	442.38	7/1/2019	NE	36.33	NA	NA	NA	406.05	400.72 - 390.72 (41.66 - 51.66)	0.0	*
4Q19		10/1/2019	NE	35.20	NA	NA	NA	407.18		0.0	*
1Q20		1/2/2020	NE	36.20	NA	NA	NA	406.18		0.0	*
2Q20		4/1/2020	NE	35.98	NA	NA	NA	406.40		0.0	*
3Q20		7/6/2020	NE	34.85	NA	NA	NA	407.53		0.0	*
4Q20		10/5/2020	NE	35.12	NA	NA	NA	407.26		0.0	*
1Q21		1/4/2021	NE	36.35	NA	NA	NA	406.03		0.0	*
MW 12											
2Q18	442.60	4/3/2018	NE	40.38	NA	NA	NA	402.22	400.68 - 390.68 (41.92 - 51.92)	0.0	*
3Q18		7/2/2018	NE	41.00	NA	NA	NA	401.60		0.0	*
4Q18		10/1/2018	NE	40.94	NA	NA	NA	401.66		0.0	*
1Q19		1/2/2019	NE	40.70	NA	NA	NA	401.90		0.0	*
2Q19		4/1/2019	NE	40.72	NA	NA	NA	401.88		0.0	*
3Q19	442.64	7/1/2019	NE	36.32	NA	NA	NA	406.32	400.72 - 390.72 (41.92 - 51.92)	0.0	*
4Q19		10/1/2019	NE	35.39	NA	NA	NA	407.25		0.0	*
1Q20		1/2/2020	NE	36.56	NA	NA	NA	406.08		0.0	*
2Q20		4/1/2020	NE	36.38	NA	NA	NA	406.26		0.1	*
3Q20		7/6/2020	NE	35.23	NA	NA	NA	407.41		0.0	*
4Q20		10/6/2020	NE	35.68	NA	NA	NA	406.96		0.0	*
1Q21		1/4/2021	NE	36.92	NA	NA	NA	405.72		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
MW 13											
2Q18	430.27	4/4/2018	NE	27.92	NA	NA	NA	402.35	405.47 - 395.47 (24.80 - 34.80)	0.0	
3Q18		7/3/2018	NE	27.67	NA	NA	NA	402.60		0.0	
4Q18		10/2/2018	NE	27.56	NA	NA	NA	402.71		4398	
1Q19		1/3/2019	NE	27.27	NA	NA	NA	403.00		231	
2Q19		4/3/2019	NE	27.03	NA	NA	NA	403.24		3.0	
3Q19	430.30	7/1/2019	NE	21.84	NA	NA	NA	408.46	405.50 - 395.50 (24.80 - 34.80)	81.1	*
4Q19		10/2/2019	NE	21.90	NA	NA	NA	408.40		0.4	*
1Q20		1/3/2020	NE	23.29	NA	NA	NA	407.01		0.0	*
2Q20		4/3/2020	NE	23.02	NA	NA	NA	407.28		0.0	*
3Q20		7/7/2020	NE	21.85	NA	NA	NA	408.45		0.9	*
4Q20		10/6/2020	NE	22.96	NA	NA	NA	407.34		0.0	*
1Q21		1/5/2021	NE	24.41	NA	NA	NA	405.89		0.0	*
MW 14											
2Q18	434.44	4/4/2018	NE	32.17	NA	NA	NA	402.27	401.02 - 391.02 (33.42 - 43.42)	40.7	*
3Q18		7/2/2018	NE	32.19	NA	NA	NA	402.25		82.8	*
4Q18		10/3/2018	NE	32.07	NA	NA	NA	402.37		12.0	*
1Q19		1/4/2019	NE	31.78	NA	NA	NA	402.66		73.4	*
2Q19		4/2/2019	NE	31.52	NA	NA	NA	402.92		400	*
3Q19	434.61	7/2/2019	NE	27.22	NA	NA	NA	407.39	401.19 - 391.19 (33.42 - 43.42)	596	*
4Q19		10/2/2019	NE	26.64	NA	NA	NA	407.97		49.8	*
1Q20		1/3/2020	NE	27.98	NA	NA	NA	406.63		69.9	*
2Q20		4/3/2020	NE	27.66	NA	NA	NA	406.95		75.1	*
3Q20		7/13/2020	NE	26.52	NA	NA	NA	408.09		38.2	*
4Q20		10/7/2020	NE	27.29	NA	NA	NA	407.32		53.4	*
1Q21		1/5/2021	NE	28.32	NA	NA	NA	406.29		33.2	*
MW 16											
2Q18	443.39	4/3/2018	NE	41.42	NA	NA	NA	401.97	405.89 - 395.89 (37.50 - 47.50)	0.0	
3Q18		7/2/2018	NE	42.33	NA	NA	NA	401.06		0.0	
4Q18		10/1/2018	NE	42.27	NA	NA	NA	401.12		0.0	
1Q19		1/11/2019	NE	42.10	NA	NA	NA	401.29		0.0	
2Q19		4/1/2019	NE	42.11	NA	NA	NA	401.28		0.0	
3Q19	443.60	7/2/2019	NE	37.87	NA	NA	NA	405.73	406.10 - 396.10 (37.50 - 47.50)	0.0	
4Q19		10/1/2019	NE	36.74	NA	NA	NA	406.86		0.0	*
1Q20		1/2/2020	NE	37.94	NA	NA	NA	405.66		0.0	
2Q20		4/13/2020	NE	37.64	NA	NA	NA	405.96		0.0	
3Q20		7/6/2020	NE	36.56	NA	NA	NA	407.04		0.0	*
4Q20		10/6/2020	NE	36.78	NA	NA	NA	406.82		0.0	*
1Q21		1/4/2021	NE	37.97	NA	NA	NA	405.63		0.0	
MW 17											
2Q18	441.57	4/2/2018	NE	39.67	NA	NA	NA	401.90	407.28 - 392.28 (34.29 - 49.29)	0.0	
3Q18		7/2/2018	NE	40.82	NA	NA	NA	400.75		0.0	
4Q18		10/1/2018	NE	40.78	NA	NA	NA	400.79		0.0	
1Q19		1/3/2019	NE	40.54	NA	NA	NA	401.03		0.0	
2Q19		4/1/2019	NE	40.63	NA	NA	NA	400.94		0.0	
3Q19	441.78	7/1/2019	NE	36.88	NA	NA	NA	404.90	407.49 - 392.49 (34.29 - 49.29)	0.0	
4Q19		10/1/2019	NE	35.40	NA	NA	NA	406.38		0.0	
1Q20		1/2/2020	NE	36.67	NA	NA	NA	405.11		157	
2Q20		4/1/2020	NE	35.82	NA	NA	NA	405.96		0.0	
3Q20		7/6/2020	NE	35.08	NA	NA	NA	406.70		0.0	
4Q20		10/5/2020	NE	35.04	NA	NA	NA	406.74		79.4	
1Q21		1/4/2021	NE	36.09	NA	NA	NA	405.69		5.7	
MW 18											
2Q18	442.04	4/2/2018	NE	40.34	NA	NA	NA	401.70	407.12 - 392.12 (34.92 - 49.92)	0.0	
3Q18		7/2/2018	NE	41.47	NA	NA	NA	400.57		0.0	
4Q18		10/1/2018	NE	41.43	NA	NA	NA	400.61		0.0	
1Q19		1/2/2019	NE	41.13	NA	NA	NA	400.91		0.0	
2Q19		4/1/2019	NE	41.29	NA	NA	NA	400.75		0.0	
3Q19	442.24	7/1/2019	NE	37.30	NA	NA	NA	404.94	407.32 - 392.32 (34.92 - 49.92)	0.0	
4Q19		10/2/2019	NE	35.86	NA	NA	NA	406.38		0.0	
1Q20		1/2/2020	NE	37.29	NA	NA	NA	404.95		0.0	
2Q20		4/1/2020	NE	36.38	NA	NA	NA	405.86		0.0	
3Q20		7/6/2020	NE	35.71	NA	NA	NA	406.53		0.0	
4Q20		10/5/2020	NE	35.80	NA	NA	NA	406.44		0.0	
1Q21		1/4/2021	NE	36.80	NA	NA	NA	405.44		0.0	

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
MW 19											
2Q18	442.77	4/3/2018	NE	40.90	NA	NA	NA	401.87	406.43 - 391.43 (36.34 - 51.34)	0.0	
3Q18		7/2/2018	NE	42.08	NA	NA	NA	400.69		0.0	
4Q18		10/1/2018	NE	42.04	NA	NA	NA	400.73		0.1	
1Q19		1/2/2019	NE	41.76	NA	NA	NA	401.01		0.0	
2Q19		4/1/2019	NE	41.92	NA	NA	NA	400.85		0.0	
3Q19	442.98	7/1/2019	NE	37.88	NA	NA	NA	405.10	406.64 - 391.64 (36.34 - 51.34)	0.0	
4Q19		10/2/2019	NE	36.49	NA	NA	NA	406.49		22.5	
1Q20		1/2/2020	NE	37.83	NA	NA	NA	405.15		0.0	
2Q20		4/1/2020	NE	37.20	NA	NA	NA	405.78		0.0	
3Q20		7/6/2020	NE	36.34	NA	NA	NA	406.64		79.9	
4Q20		10/5/2020	NE	36.41	NA	NA	NA	406.57		88.8	
1Q21		1/4/2021	NE	37.52	NA	NA	NA	405.46		0.0	
MW 20											
2Q18	443.67	4/3/2018	NE	41.76	NA	NA	NA	401.91	407.79 - 392.79 (35.88 - 50.88)	0.0	
3Q18		7/2/2018	NE	42.88	NA	NA	NA	400.79		0.0	
4Q18		10/2/2018	NE	42.77	NA	NA	NA	400.90		0.0	
1Q19		1/2/2019	NE	42.55	NA	NA	NA	401.12		0.0	
2Q19		4/1/2019	NE	42.62	NA	NA	NA	401.05		0.0	
3Q19	443.86	7/1/2019	NE	38.56	NA	NA	NA	405.30	407.98 - 392.98 (35.88 - 50.88)	0.0	
4Q19		10/2/2019	NE	37.22	NA	NA	NA	406.64		0.0	
1Q20		1/2/2020	NE	38.49	NA	NA	NA	405.37		0.0	
2Q20		4/1/2020	NE	38.14	NA	NA	NA	405.72		0.0	
3Q20		7/6/2020	NE	37.10	NA	NA	NA	406.76		0.0	
4Q20		10/5/2020	NE	37.31	NA	NA	NA	406.55		228	
1Q21		1/4/2021	NE	38.44	NA	NA	NA	405.42		0.0	
MW 21											
2Q18	443.81	4/3/2018	NE	41.98	NA	NA	NA	401.83	408.80 - 393.80 (35.01 - 50.01)	0.1	
3Q18		7/2/2018	NE	42.74	NA	NA	NA	401.07		0.0	
4Q18		10/2/2018	NE	42.70	NA	NA	NA	401.11		8.7	
1Q19		1/2/2019	NE	42.42	NA	NA	NA	401.39		0.0	
2Q19		4/1/2019	NE	42.39	NA	NA	NA	401.42		0.0	
3Q19	444.01	7/1/2019	NE	38.11	NA	NA	NA	405.90	409.00 - 394.00 (35.01 - 50.01)	0.6	
4Q19		10/1/2019	NE	37.05	NA	NA	NA	406.96		0.0	
1Q20		1/2/2020	NE	38.39	NA	NA	NA	405.62		0.0	
2Q20		4/1/2020	NE	38.25	NA	NA	NA	405.76		0.0	
3Q20		7/6/2020	NE	37.03	NA	NA	NA	406.98		0.0	
4Q20		10/5/2020	NE	37.47	NA	NA	NA	406.54		1.1	
1Q21		1/4/2021	NE	38.56	NA	NA	NA	405.45		0.0	
MW 22											
2Q18	442.16	4/3/2018	NE	40.01	NA	NA	NA	402.15	403.73 - 393.73 (38.43 - 48.43)	0.0	
3Q18		7/2/2018	NE	41.00	NA	NA	NA	401.16		0.0	
4Q18		10/2/2018	NE	40.96	NA	NA	NA	401.20		0.0	
1Q19		1/9/2019	NE	40.91	NA	NA	NA	401.25		0.0	
2Q19		4/2/2019	NE	40.79	NA	NA	NA	401.37		0.0	
3Q19	442.38	7/1/2019	NM	NM	NA	NA	NA	NA	403.95 - 393.95 (38.43 - 48.43)	NM	Well inaccessible due to parked vehicle.
4Q19		10/2/2019	NE	35.50	NA	NA	NA	406.88		0.0	*
1Q20		1/2/2020	NE	36.84	NA	NA	NA	405.54		0.0	*
2Q20		4/1/2020	NE	36.22	NA	NA	NA	406.16		0.0	*
3Q20		7/7/2020	NE	35.25	NA	NA	NA	407.13		0.1	*
4Q20		10/6/2020	NE	35.39	NA	NA	NA	406.99		0.0	*
1Q21		1/4/2021	NE	36.57	NA	NA	NA	405.81		0.0	*
MW 23											
2Q18	431.41	4/2/2018	NE	29.20	NA	NA	NA	402.21	402.39 - 392.39 (29.02 - 39.02)	36.4	
3Q18		7/2/2018	NE	29.19	NA	NA	NA	402.22		0.0	
4Q18		10/1/2018	NE	29.08	NA	NA	NA	402.33		0.0	
1Q19		1/3/2019	NE	28.81	NA	NA	NA	402.60		0.0	*
2Q19		4/2/2019	NE	28.49	NA	NA	NA	402.92		0.0	*
3Q19	431.57	7/1/2019	NE	23.34	NA	NA	NA	408.23	402.55 - 392.55 (29.02 - 39.02)	1.2	*
4Q19		10/1/2019	NE	23.30	NA	NA	NA	408.27		0.1	*
1Q20		1/2/2020	NE	24.54	NA	NA	NA	407.03		0.0	*
2Q20		4/1/2020	NE	24.54	NA	NA	NA	407.03		0.1	*
3Q20		7/6/2020	NE	23.32	NA	NA	NA	408.25		0.0	*
4Q20		10/6/2020	NE	24.46	NA	NA	NA	407.11		0.2	*
1Q21		1/5/2021	NE	25.82	NA	NA	NA	405.75		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
MW 24											
2Q18	443.42	4/3/2018	NE	41.17	NA	NA	NA	402.25	403.81 - 393.81 (39.61 - 49.61)	0.2	
3Q18		7/2/2018	NE	41.86	NA	NA	NA	401.56		0.0	
4Q18		10/1/2018	NE	41.83	NA	NA	NA	401.59		1.8	
1Q19		1/2/2019	NE	41.63	NA	NA	NA	401.79		0.0	
2Q19		4/1/2019	NE	41.70	NA	NA	NA	401.72		0.0	
3Q19	443.65	7/1/2019	NE	37.42	NA	NA	NA	406.23	404.04 - 394.04 (39.61 - 49.61)	0.0	*
4Q19		10/1/2019	NE	36.40	NA	NA	NA	407.25		0.0	*
1Q20		1/2/2020	NE	37.42	NA	NA	NA	406.23		0.0	*
2Q20		4/1/2020	NE	37.26	NA	NA	NA	406.39		0.0	*
3Q20		7/6/2020	NE	36.11	NA	NA	NA	407.54		0.0	*
4Q20		10/6/2020	NE	36.46	NA	NA	NA	407.19		0.0	*
1Q21		1/4/2021	NE	37.68	NA	NA	NA	405.97		0.0	*
MW 25											
2Q18	438.35	4/2/2018	NE	36.44	NA	NA	NA	401.91	402.76 - 392.76 (35.59 - 45.59)	110	
3Q18		7/2/2018	NE	36.82	NA	NA	NA	401.53		0.5	
4Q18		10/2/2018	NE	36.75	NA	NA	NA	401.60		3.9	
1Q19		1/2/2019	NE	36.47	NA	NA	NA	401.88		44.7	
2Q19		4/1/2019	NE	36.36	NA	NA	NA	401.99		150	
3Q19	438.53	7/1/2019	NE	31.85	NA	NA	NA	406.68	402.94 - 392.94 (35.59 - 45.59)	32.8	*
4Q19		10/1/2019	NE	31.08	NA	NA	NA	407.45		76.5	*
1Q20		1/2/2020	NE	32.35	NA	NA	NA	406.18		99.5	*
2Q20		4/1/2020	NE	32.26	NA	NA	NA	406.27		103	*
3Q20		7/6/2020	NE	31.09	NA	NA	NA	407.44		103	*
4Q20		10/6/2020	NE	31.68	NA	NA	NA	406.85		81.5	*
1Q21		1/5/2021	NE	32.87	NA	NA	NA	405.66		6.6	*
MW 26											
2Q18	441.02	4/4/2018	NE	39.35	NA	NA	NA	401.67	402.87 - 392.87 (38.15 - 48.15)	0.0	
3Q18		7/2/2018	NE	39.71	NA	NA	NA	401.31		0.2	
4Q18		10/1/2018	NE	39.60	NA	NA	NA	401.42		0.0	
1Q19		1/2/2019	NE	39.38	NA	NA	NA	401.64		0.0	
2Q19		4/1/2019	NE	39.30	NA	NA	NA	401.72		0.0	
3Q19	441.23	7/1/2019	NE	34.94	NA	NA	NA	406.29	403.08 - 393.08 (38.15 - 48.15)	0.0	*
4Q19		10/1/2019	NE	33.99	NA	NA	NA	407.24		0.0	*
1Q20		1/2/2020	NE	35.24	NA	NA	NA	405.99		0.0	*
2Q20		4/3/2020	NE	35.16	NA	NA	NA	406.07		0.0	*
3Q20		7/6/2020	NE	33.93	NA	NA	NA	407.30		0.0	*
4Q20		10/6/2020	NE	34.40	NA	NA	NA	406.83		0.0	*
1Q21		1/5/2021	NE	35.62	NA	NA	NA	405.61		0.0	*
MW 27											
2Q18	443.40	4/3/2018	NE	40.19	NA	NA	NA	403.21	403.61 - 393.61 (39.79 - 49.79)	0.0	
3Q18		7/2/2018	NE	41.16	NA	NA	NA	402.24		0.0	
4Q18		10/1/2018	NE	41.11	NA	NA	NA	402.29		0.0	
1Q19		1/3/2019	NE	40.99	NA	NA	NA	402.41		0.0	
2Q19		4/1/2019	NE	41.26	NA	NA	NA	402.14		0.0	
3Q19	443.60	7/1/2019	NE	38.03	NA	NA	NA	405.57	403.81 - 393.81 (39.79 - 49.79)	0.0	*
4Q19		10/1/2019	NE	36.00	NA	NA	NA	407.60		0.0	*
1Q20		1/2/2020	NE	36.80	NA	NA	NA	406.80		0.0	*
2Q20		4/1/2020	NE	36.82	NA	NA	NA	406.78		0.0	*
3Q20		7/6/2020	NE	35.62	NA	NA	NA	407.98		0.0	*
4Q20		10/5/2020	NE	35.45	NA	NA	NA	408.15		0.0	*
1Q21		1/4/2021	NE	36.79	NA	NA	NA	406.81		0.0	*
MW 28											
2Q18	443.34	4/3/2018	NE	39.39	NA	NA	NA	403.95	409.73 - 399.73 (33.61 - 43.61)	0.0	
3Q18		7/2/2018	NE	40.14	NA	NA	NA	403.20		0.0	
4Q18		10/1/2018	NE	40.18	NA	NA	NA	403.16		0.0	
1Q19		1/3/2019	NE	40.20	NA	NA	NA	403.14		0.0	
2Q19		4/1/2019	NE	40.46	NA	NA	NA	402.88		0.0	
3Q19	443.55	7/1/2019	NE	37.56	NA	NA	NA	405.99	409.94 - 399.94 (33.61 - 43.61)	0.0	
4Q19		10/1/2019	NE	35.72	NA	NA	NA	407.83		0.0	
1Q20		1/2/2020	NE	36.11	NA	NA	NA	407.44		0.0	
2Q20		4/1/2020	NE	36.24	NA	NA	NA	407.31		0.0	
3Q20		7/6/2020	NE	35.19	NA	NA	NA	408.36		0.0	
4Q20		10/5/2020	NE	34.96	NA	NA	NA	408.59		2.1	
1Q21		1/4/2021	NE	35.90	NA	NA	NA	407.65		0.0	

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
P 01											
2Q18	442.73	4/4/2018	NE	30.60	NA	NA	NA	412.13	380.51 - 375.51 (62.22 - 67.22)	0.0	*
3Q18		7/3/2018	NE	31.03	NA	NA	NA	411.70		0.0	*
4Q18		10/3/2018	NE	31.93	NA	NA	NA	410.80		0.1	*
1Q19		1/3/2019	NE	33.27	NA	NA	NA	409.46		0.0	*
2Q19		4/3/2019	NE	32.24	NA	NA	NA	410.49		0.0	*
3Q19	442.98	7/2/2019	NE	29.96	NA	NA	NA	413.02	380.76 - 375.76 (62.22 - 67.22)	0.0	*
4Q19		10/2/2019	NE	29.51	NA	NA	NA	413.47		0.0	*
1Q20		1/3/2020	NE	29.63	NA	NA	NA	413.35		0.0	*
2Q20		4/1/2020	NE	27.85	NA	NA	NA	415.13		0.0	*
3Q20		7/8/2020	NE	26.47	NA	NA	NA	416.51		0.0	*
4Q20		10/7/2020	NE	26.62	NA	NA	NA	416.36		0.1	*
1Q21		1/6/2021	NE	27.91	NA	NA	NA	415.07		0.0	*
P 4U											
2Q18	442.54	4/4/2018	NE	32.40	NA	NA	NA	410.14	361.39 - 359.39 (81.15 - 83.15)	0.0	*
3Q18		7/3/2018	NE	32.61	NA	NA	NA	409.93		0.0	*
4Q18		10/3/2018	NE	33.25	NA	NA	NA	409.29		0.0	*
1Q19		1/4/2019	NE	34.45	NA	NA	NA	408.09		0.0	*
2Q19		4/3/2019	NE	34.06	NA	NA	NA	408.48		0.0	*
3Q19	442.74	7/2/2019	NE	31.80	NA	NA	NA	410.94	361.59 - 359.59 (81.15 - 83.15)	0.0	*
4Q19		10/2/2019	NE	31.10	NA	NA	NA	411.64		0.0	*
1Q20		1/3/2020	NE	31.11	NA	NA	NA	411.63		0.0	*
2Q20		4/1/2020	NE	29.40	NA	NA	NA	413.34		0.0	*
3Q20		7/8/2020	NE	27.92	NA	NA	NA	414.82		0.0	*
4Q20		10/7/2020	NE	27.62	NA	NA	NA	415.12		0.0	*
1Q21		1/6/2021	NE	29.03	NA	NA	NA	413.71		0.0	*
P 5L											
2Q18	443.84	4/3/2018	NE	31.85	NA	NA	NA	411.99	303.44 - 301.44 (140.40 - 142.40)	0.0	*
3Q18		7/3/2018	NE	32.59	NA	NA	NA	411.25		0.0	*
4Q18		10/3/2018	NE	33.59	NA	NA	NA	410.25		0.0	*
1Q19		1/4/2019	NE	34.93	NA	NA	NA	408.91		0.0	*
2Q19		4/3/2019	NE	34.05	NA	NA	NA	409.79		0.0	*
3Q19	444.01	7/2/2019	NE	31.10	NA	NA	NA	412.91	303.61 - 301.61 (140.40 - 142.40)	0.0	*
4Q19		10/2/2019	NE	30.98	NA	NA	NA	413.03		0.0	*
1Q20		1/3/2020	NE	31.18	NA	NA	NA	412.83		0.0	*
2Q20		4/1/2020	NE	29.25	NA	NA	NA	414.76		0.0	*
3Q20		7/8/2020	NE	27.62	NA	NA	NA	416.39		0.0	*
4Q20		10/7/2020	NE	27.73	NA	NA	NA	416.28		0.0	*
1Q21		1/6/2021	NE	29.23	NA	NA	NA	414.78		0.0	*
P 5U											
2Q18	444.24	4/3/2018	NE	33.14	NA	NA	NA	411.10	313.61 - 311.61 (130.63 - 132.63)	0.0	*
3Q18		7/3/2018	NE	33.86	NA	NA	NA	410.38		0.0	*
4Q18		10/3/2018	NE	34.77	NA	NA	NA	409.47		0.0	*
1Q19		1/4/2019	NE	36.21	NA	NA	NA	408.03		0.0	*
2Q19		4/3/2019	NE	35.29	NA	NA	NA	408.95		0.0	*
3Q19	444.42	7/2/2019	NE	33.08	NA	NA	NA	411.34	313.79 - 311.79 (130.63 - 132.63)	0.0	*
4Q19		10/2/2019	NE	32.31	NA	NA	NA	412.11		0.0	*
1Q20		1/3/2020	NE	32.29	NA	NA	NA	412.13		0.0	*
2Q20		4/1/2020	NE	30.38	NA	NA	NA	414.04		0.0	*
3Q20		7/8/2020	NE	28.96	NA	NA	NA	415.46		0.0	*
4Q20		10/7/2020	NE	28.93	NA	NA	NA	415.49		0.0	*
1Q21		1/6/2021	NE	30.20	NA	NA	NA	414.22		0.0	*
P 6U											
2Q18	443.45	4/3/2018	NE	32.69	NA	NA	NA	410.76	362.95 - 360.95 (80.50 - 82.50)	0.0	*
3Q18		7/3/2018	NE	33.39	NA	NA	NA	410.06		0.0	*
4Q18		10/3/2018	NE	34.06	NA	NA	NA	409.39		0.0	*
1Q19		1/4/2019	NE	35.37	NA	NA	NA	408.08		0.0	*
2Q19		4/3/2019	NE	35.00	NA	NA	NA	408.45		0.0	*
3Q19	443.63	7/2/2019	NE	32.51	NA	NA	NA	411.12	363.13 - 361.13 (80.50 - 82.50)	0.0	*
4Q19		10/2/2019	NE	31.92	NA	NA	NA	411.71		0.0	*
1Q20		1/3/2020	NE	32.04	NA	NA	NA	411.59		0.0	*
2Q20		4/1/2020	NE	30.20	NA	NA	NA	413.43		0.0	*
3Q20		7/8/2020	NE	28.66	NA	NA	NA	414.97		0.0	*
4Q20		10/7/2020	NE	28.38	NA	NA	NA	415.25		0.0	*
1Q21		1/6/2021	NE	29.88	NA	NA	NA	413.75		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
P 7U											
2Q18	443.91	4/3/2018	NE	33.01	NA	NA	NA	410.90	382.83 - 380.83 (61.08 - 63.08)	0.0	*
3Q18		7/3/2018	NE	33.65	NA	NA	NA	410.26		0.0	*
4Q18		10/3/2018	NE	34.39	NA	NA	NA	409.52		0.0	*
1Q19		1/4/2019	NE	35.76	NA	NA	NA	408.15		0.0	*
2Q19		4/3/2019	NE	35.25	NA	NA	NA	408.66		0.0	*
3Q19	444.08	7/2/2019	NE	32.68	NA	NA	NA	411.40	383.00 - 381.00 (61.08 - 63.08)	0.0	*
4Q19		10/2/2019	NE	32.15	NA	NA	NA	411.93		0.0	*
1Q20		1/3/2020	NE	32.34	NA	NA	NA	411.74		0.0	*
2Q20		4/1/2020	NE	30.45	NA	NA	NA	413.63		0.0	*
3Q20		7/8/2020	NE	28.87	NA	NA	NA	415.21		0.0	*
4Q20		10/7/2020	NE	28.73	NA	NA	NA	415.35		0.1	*
1Q21		1/6/2021	NE	30.19	NA	NA	NA	413.89		0.0	*
P 8U											
2Q18	441.85	4/3/2018	NE	33.13	NA	NA	NA	408.72	381.72 - 379.72 (60.13 - 62.13)	0.0	*
3Q18		7/3/2018	NE	33.88	NA	NA	NA	407.97		0.0	*
4Q18		10/2/2018	NE	34.39	NA	NA	NA	407.46		0.0	*
1Q19		1/3/2019	NE	35.60	NA	NA	NA	406.25		0.0	*
2Q19		4/2/2019	NE	35.24	NA	NA	NA	406.61		0.0	*
3Q19	442.07	7/2/2019	NE	33.51	NA	NA	NA	408.56	381.94 - 379.94 (60.13 - 62.13)	0.0	*
4Q19		10/2/2019	NE	32.58	NA	NA	NA	409.49		0.0	*
1Q20		1/3/2020	NE	31.32	NA	NA	NA	410.75		0.0	*
2Q20		4/1/2020	NE	30.70	NA	NA	NA	411.37	382.72 - 380.72 (59.35 - 61.35)	0.0	*
3Q20		7/7/2020	NE	29.17	NA	NA	NA	412.90		0.0	*
4Q20		10/7/2020	NE	28.54	NA	NA	NA	413.53		0.0	*
1Q21		1/5/2021	NE	29.88	NA	NA	NA	412.19		0.0	*
P 9U											
2Q18	445.04	4/4/2018	NM	NM	NA	NA	NA	NA	344.45 - 342.45 (100.59 - 102.59)	NM	Unsafe condition at well - Unable to access
3Q18		7/3/2018	NE	38.51	NA	NA	NA	406.53		0.0	*
4Q18		10/2/2018	NE	39.11	NA	NA	NA	405.93		0.0	*
1Q19		1/3/2019	NE	40.12	NA	NA	NA	404.92		0.0	*
2Q19		4/2/2019	NE	40.14	NA	NA	NA	404.90		0.0	*
3Q19	445.20	7/2/2019	NE	38.31	NA	NA	NA	406.89	344.61 - 342.61 (100.59 - 102.59)	0.0	*
4Q19		10/2/2019	NE	41.75	NA	NA	NA	403.45		0.0	*
1Q20		1/2/2020	NE	36.80	NA	NA	NA	408.40		0.0	*
2Q20		4/1/2020	NE	35.40	NA	NA	NA	409.80		0.0	*
3Q20		7/7/2020	NE	33.75	NA	NA	NA	411.45		0.2	*
4Q20		10/6/2020	NE	33.13	NA	NA	NA	412.07		0.0	*
1Q21		1/5/2021	NE	34.35	NA	NA	NA	410.85		0.0	*
P 11L											
2Q18	442.55	4/3/2018	NE	33.92	NA	NA	NA	408.63	332.34 - 330.34 (110.21 - 112.21)	0.0	*
3Q18		7/3/2018	NE	34.66	NA	NA	NA	407.89		0.0	*
4Q18		10/2/2018	NE	35.08	NA	NA	NA	407.47		0.0	*
1Q19		1/4/2019	NE	36.07	NA	NA	NA	406.48		0.0	*
2Q19		4/3/2019	NE	36.07	NA	NA	NA	406.48		0.0	*
3Q19	442.76	7/2/2019	NE	34.80	NA	NA	NA	407.96	332.55 - 330.55 (110.21 - 112.21)	0.0	*
4Q19		10/2/2019	NE	33.20	NA	NA	NA	409.56		0.0	*
1Q20		1/3/2020	NE	32.86	NA	NA	NA	409.90		0.0	*
2Q20		4/2/2020	NE	31.37	NA	NA	NA	411.39		0.0	*
3Q20		7/8/2020	NE	29.91	NA	NA	NA	412.85		0.0	*
4Q20		10/7/2020	NE	29.32	NA	NA	NA	413.44		0.0	*
1Q21		1/5/2021	NE	30.56	NA	NA	NA	412.20		0.0	*
P 11U											
2Q18	443.17	4/3/2018	NE	34.50	NA	NA	NA	408.67	343.25 - 341.25 (99.92 - 101.92)	0.0	*
3Q18		7/3/2018	NE	35.25	NA	NA	NA	407.92		0.0	*
4Q18		10/2/2018	NE	35.68	NA	NA	NA	407.49		0.0	*
1Q19		1/4/2019	NE	36.73	NA	NA	NA	406.44		0.0	*
2Q19		4/3/2019	NE	36.67	NA	NA	NA	406.50		0.0	*
3Q19	443.38	7/2/2019	NE	34.94	NA	NA	NA	408.44	343.46 - 341.46 (99.92 - 101.92)	0.0	*
4Q19		10/2/2019	NE	33.80	NA	NA	NA	409.58		0.0	*
1Q20		1/3/2020	NE	33.49	NA	NA	NA	409.89		0.0	*
2Q20		4/2/2020	NE	31.98	NA	NA	NA	411.40		0.0	*
3Q20		7/8/2020	NE	30.52	NA	NA	NA	412.86		0.0	*
4Q20		10/7/2020	NE	29.89	NA	NA	NA	413.49		0.0	*
1Q21		1/5/2021	NE	31.18	NA	NA	NA	412.20		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
P 14											
2Q18	442.74	4/4/2018	NE	30.69	NA	NA	NA	412.05	395.27 - 385.27 (47.47 - 57.47)	0.0	*
3Q18		7/3/2018	NE	31.10	NA	NA	NA	411.64		0.0	*
4Q18		10/3/2018	NE	32.01	NA	NA	NA	410.73		0.0	*
1Q19		1/3/2019	NE	33.34	NA	NA	NA	409.40		0.0	*
2Q19		4/3/2019	NE	32.33	NA	NA	NA	410.41		0.0	*
3Q19	443.01	7/2/2019	NE	30.05	NA	NA	NA	412.96	395.54 - 385.54 (47.47 - 57.47)	0.0	*
4Q19		10/2/2019	NE	29.59	NA	NA	NA	413.42		0.0	*
1Q20		1/3/2020	NE	29.71	NA	NA	NA	413.30		0.0	*
2Q20		4/1/2020	NE	27.95	NA	NA	NA	415.06		0.0	*
3Q20		7/8/2020	NE	26.56	NA	NA	NA	416.45		0.0	*
4Q20		10/7/2020	NE	26.70	NA	NA	NA	416.31		0.0	*
1Q21		1/6/2021	NE	27.98	NA	NA	NA	415.03		0.0	*
P 15											
2Q18	443.69	4/4/2018	NE	33.19	NA	NA	NA	410.50	398.24 - 388.24 (45.45 - 55.45)	0.0	*
3Q18		7/3/2018	NE	33.28	NA	NA	NA	410.41		0.0	*
4Q18		10/3/2018	NE	33.86	NA	NA	NA	409.83		0.0	*
1Q19		1/4/2019	NE	35.10	NA	NA	NA	408.59		0.0	*
2Q19		4/3/2019	NE	34.75	NA	NA	NA	408.94		0.0	*
3Q19	443.88	7/2/2019	NE	32.11	NA	NA	NA	411.77	398.43 - 388.43 (45.45 - 55.45)	0.0	*
4Q19		10/2/2019	NE	31.70	NA	NA	NA	412.18		0.0	*
1Q20		1/3/2020	NE	31.80	NA	NA	NA	412.08		0.0	*
2Q20		4/1/2020	NE	30.10	NA	NA	NA	413.78		0.0	*
3Q20		7/8/2020	NE	28.61	NA	NA	NA	415.27		0.0	*
4Q20		10/7/2020	NE	28.30	NA	NA	NA	415.58		0.1	*
1Q21		1/6/2021	NE	29.71	NA	NA	NA	414.17		0.0	*
P 16											
2Q18	442.68	4/3/2018	NE	31.66	NA	NA	NA	411.02	396.94 - 386.94 (45.74 - 55.74)	0.0	*
3Q18		7/3/2018	NE	32.29	NA	NA	NA	410.39		0.0	*
4Q18		10/3/2018	NE	32.99	NA	NA	NA	409.69		0.0	*
1Q19		1/4/2019	NE	34.28	NA	NA	NA	408.40		0.0	*
2Q19		4/3/2019	NE	33.88	NA	NA	NA	408.80		0.0	*
3Q19	442.84	7/2/2019	NE	31.11	NA	NA	NA	411.73	397.10 - 387.10 (45.74 - 55.74)	0.0	*
4Q19		10/2/2019	NE	30.76	NA	NA	NA	412.08		0.0	*
1Q20		1/3/2020	NE	30.91	NA	NA	NA	411.93		0.0	*
2Q20		4/1/2020	NE	29.05	NA	NA	NA	413.79		0.0	*
3Q20		7/8/2020	NE	27.57	NA	NA	NA	415.27		0.0	*
4Q20		10/7/2020	NE	27.32	NA	NA	NA	415.52		0.0	*
1Q21		1/6/2021	NE	28.81	NA	NA	NA	414.03		0.0	*
P 43											
2Q18	444.44	4/3/2018	NE	35.37	NA	NA	NA	409.07	380.88 - 370.88 (63.56 - 73.56)	0.0	*
3Q18		7/3/2018	NE	36.11	NA	NA	NA	408.33		0.0	*
4Q18		10/2/2018	NE	36.53	NA	NA	NA	407.91		0.0	*
1Q19		1/4/2019	NE	37.59	NA	NA	NA	406.85		0.3	*
2Q19		4/3/2019	NE	37.55	NA	NA	NA	406.89		0.0	*
3Q19	444.62	7/2/2019	NE	35.45	NA	NA	NA	409.17	381.06 - 371.06 (63.56 - 73.56)	0.0	*
4Q19		10/2/2019	NE	34.64	NA	NA	NA	409.98		0.0	*
1Q20		1/3/2020	NE	34.37	NA	NA	NA	410.25		0.0	*
2Q20		4/2/2020	NE	32.83	NA	NA	NA	411.79		0.0	*
3Q20		7/8/2020	NE	31.38	NA	NA	NA	413.24		0.0	*
4Q20		10/7/2020	NE	30.72	NA	NA	NA	413.90		0.0	*
1Q21		1/5/2021	NE	32.06	NA	NA	NA	412.56		0.0	*
P 53											
2Q18	446.41	4/3/2018	NE	41.38	NA	NA	NA	405.03	407.91 - 382.91 (38.50 - 63.50)	0.0	
3Q18		7/2/2018	NE	42.12	NA	NA	NA	404.29		0.0	
4Q18		10/2/2018	NE	42.54	NA	NA	NA	403.87		0.0	
1Q19		1/3/2019	NE	42.64	NA	NA	NA	403.77		0.0	
2Q19		4/1/2019	NE	42.79	NA	NA	NA	403.62	406.10 - 381.10 (40.31 - 65.31)	0.0	
3Q19	446.57	7/1/2019	NE	40.33	NA	NA	NA	406.24	406.26 - 381.26 (40.31 - 65.31)	0.0	
4Q19		10/1/2019	NE	38.69	NA	NA	NA	407.88		0.0	*
1Q20		1/2/2020	NE	38.63	NA	NA	NA	407.94		0.0	*
2Q20		4/2/2020	NE	38.36	NA	NA	NA	408.21		0.0	*
3Q20		7/6/2020	NE	37.09	NA	NA	NA	409.48		0.0	*
4Q20		10/6/2020	NE	36.79	NA	NA	NA	409.78		0.0	*
1Q21		1/5/2021	NE	37.82	NA	NA	NA	408.75		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
P 54											
2Q18	442.32	4/3/2018	NE	39.94	NA	NA	NA	402.38	404.32 - 379.32 (38.00 - 63.00)	0.0	
3Q18		7/2/2018	NE	40.51	NA	NA	NA	401.81		0.0	
4Q18		10/2/2018	NE	40.50	NA	NA	NA	401.82		0.0	
1Q19		1/2/2019	NE	40.29	NA	NA	NA	402.03		0.0	
2Q19		4/1/2019	NE	40.36	NA	NA	NA	401.96		0.0	
3Q19	442.52	7/1/2019	NE	35.96	NA	NA	NA	406.56	404.52 - 379.52 (38.00 - 63.00)	0.0	*
4Q19		10/1/2019	NE	35.07	NA	NA	NA	407.45		0.0	*
1Q20		1/2/2020	NE	36.05	NA	NA	NA	406.47		0.0	*
2Q20		4/1/2020	NE	35.92	NA	NA	NA	406.60		0.0	*
3Q20		7/6/2020	NE	34.77	NA	NA	NA	407.75		0.0	*
4Q20		10/6/2020	NE	35.20	NA	NA	NA	407.32		0.0	*
1Q21		1/4/2021	NE	36.47	NA	NA	NA	406.05		0.0	*
P 55R											
2Q18	443.79	4/2/2018	39.20	41.25	402.54	404.59	2.05	404.18	403.36 - 393.36 (40.43 - 50.43)	238	*
3Q18		7/2/2018	41.51	42.12	401.67	402.28	0.61	402.16		152	
4Q18		10/1/2018	41.49	42.18	401.61	402.30	0.69	402.16		153	
1Q19		1/2/2019	41.84	42.27	401.52	401.95	0.43	401.86		15000	
2Q19		4/1/2019	41.21	41.52	402.27	402.58	0.31	402.52		280	
3Q19	444.01	7/1/2019	37.66	38.16	405.85	406.35	0.50	406.25	403.58 - 393.58 (40.43 - 50.43)	66.7	*
4Q19		10/1/2019	36.11	36.17	407.84	407.90	0.06	407.89		210	*
1Q20		1/2/2020	36.73	36.78	407.23	407.28	0.05	407.27		85.8	*
2Q20		4/1/2020	36.62	36.65	407.36	407.39	0.03	407.38		67.0	*
3Q20		7/6/2020	35.44	35.46	408.57	408.55	0.02	408.55		78.3	*
4Q20		10/5/2020	35.25	35.27	408.74	408.76	0.02	408.76		210	*
1Q21		1/4/2021	36.40	36.41	407.60	407.61	0.01	407.61		185	*
P 56											
2Q18	446.14	4/3/2018	NE	44.24	NA	NA	NA	401.90	405.32 - 380.32 (40.82 - 65.82)	0.0	
3Q18		7/2/2018	NE	45.34	NA	NA	NA	400.80		0.0	
4Q18		10/1/2018	NE	45.27	NA	NA	NA	400.87		0.0	
1Q19		1/2/2019	NE	45.11	NA	NA	NA	401.03		0.0	
2Q19		4/1/2019	NE	45.07	NA	NA	NA	401.07		0.0	
3Q19	446.32	7/1/2019	NE	41.09	NA	NA	NA	405.23	405.50 - 380.50 (40.82 - 65.82)	0.1	
4Q19		10/1/2019	NE	39.72	NA	NA	NA	406.60		109	*
1Q20		1/2/2020	NE	41.01	NA	NA	NA	405.31		112	
2Q20		4/1/2020	NE	40.70	NA	NA	NA	405.62		113	*
3Q20		7/6/2020	NE	39.61	NA	NA	NA	406.71		170	*
4Q20		10/5/2020	NE	39.74	NA	NA	NA	406.58		126	*
1Q21		1/8/2021	NE	41.06	NA	NA	NA	405.26		86.4	
P 57											
2Q18	446.96	4/3/2018	NE	45.10	NA	NA	NA	401.86	402.77 - 392.77 (44.19 - 54.19)	1.3	
3Q18		7/2/2018	NE	45.89	NA	NA	NA	401.07		1.7	
4Q18		10/2/2018	NE	45.86	NA	NA	NA	401.10		0.2	
1Q19		1/2/2019	NE	45.66	NA	NA	NA	401.30		0.0	
2Q19		4/1/2019	NE	45.49	NA	NA	NA	401.47		0.0	
3Q19	447.15	7/1/2019	NE	41.35	NA	NA	NA	405.80	402.96 - 392.96 (44.19 - 54.19)	6.8	*
4Q19		10/1/2019	NE	40.19	NA	NA	NA	406.96		85.8	*
1Q20		1/2/2020	NE	41.59	NA	NA	NA	405.56		64.2	*
2Q20		4/1/2020	NE	41.43	NA	NA	NA	405.72		105	*
3Q20		7/6/2020	NE	40.23	NA	NA	NA	406.92		127	*
4Q20		10/5/2020	NE	40.59	NA	NA	NA	406.56		13.7	*
1Q21		1/4/2021	NE	41.74	NA	NA	NA	405.41		169	*
P 58											
2Q18	444.94	4/2/2018	NE	43.19	NA	NA	NA	401.75	404.73 - 379.73 (40.21 - 65.21)	0.0	
3Q18		7/2/2018	NE	43.70	NA	NA	NA	401.24		0.0	
		7/12/2018	43.63	43.64	401.30	401.31	0.01	401.31		0.0	
4Q18		10/1/2018	NE	43.66	NA	NA	NA	401.28		0.0	
1Q19		1/2/2019	43.42	43.43	401.51	401.52	0.01	401.52		0.0	
2Q19		4/1/2019	NE	43.19	NA	NA	NA	401.75		0.0	
3Q19	445.16	7/1/2019	NE	38.92	NA	NA	NA	406.24	404.95 - 379.95 (40.21 - 65.21)	2.5	*
4Q19		10/1/2019	37.93	37.94	407.22	407.23	0.01	407.23		67.2	*
1Q20		1/2/2020	39.38	40.00	405.16	405.78	0.62	405.66		38.5	*
2Q20		4/1/2020	39.30	39.31	405.85	405.86	0.01	405.86		41.0	*
3Q20		7/6/2020	38.06	38.08	407.08	407.10	0.02	407.10		28.7	*
4Q20		10/5/2020	38.58	38.61	406.55	406.58	0.03	406.57		134	*
1Q21		1/4/2021	39.82	39.85	405.31	405.34	0.03	405.33		178	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
P 59											
2Q18	446.86	4/3/2018	NE	44.99	NA	NA	NA	401.87	398.95 - 373.95 (47.91 - 72.91)	108	*
3Q18		7/2/2018	NE	46.26	NA	NA	NA	400.60		214	*
4Q18		10/1/2018	NE	46.19	NA	NA	NA	400.67		179	*
1Q19		1/2/2019	NE	45.95	NA	NA	NA	400.91		15000	*
2Q19		4/1/2019	46.05	46.06	400.80	400.81	0.01	400.81		313	*
3Q19	447.07	7/1/2019	NE	42.06	NA	NA	NA	405.01	399.16 - 374.16 (47.91 - 72.91)	400	*
		7/15/2019	41.53	41.54	405.53	405.54	0.01	405.54		406	*
4Q19		10/1/2019	NE	40.61	NA	NA	NA	406.46		180	*
1Q20		1/2/2020	NE	41.99	NA	NA	NA	405.08		113	*
2Q20		4/1/2020	NE	41.35	NA	NA	NA	405.72		161	*
3Q20		7/6/2020	NE	40.40	NA	NA	NA	406.67		163	*
4Q20		10/5/2020	NE	40.49	NA	NA	NA	406.58		231	*
1Q21		1/4/2021	NE	41.66	NA	NA	NA	405.41		186	*
P 60											
2Q18	446.69	4/3/2018	NE	44.25	NA	NA	NA	402.44	402.04 - 382.04 (44.65 - 64.65)	15.6	*
3Q18		7/2/2018	45.61	45.62	401.07	401.08	0.01	401.08		40.7	
4Q18		10/1/2018	45.61	45.63	401.06	401.08	0.02	401.08		36.7	
1Q19		1/2/2019	45.48	45.54	401.15	401.21	0.06	401.20		923	
2Q19		4/1/2019	45.62	45.63	401.06	401.07	0.01	401.07		83.5	
3Q19	446.88	7/1/2019	NE	41.98	NA	NA	NA	404.90	402.23 - 382.23 (44.65 - 64.65)	31.7	*
4Q19		10/1/2019	NE	40.42	NA	NA	NA	406.46		1.7	*
		10/15/2019	40.41	40.42	406.46	406.47	0.01	406.47		1.7	*
1Q20		1/2/2020	41.44	41.45	405.43	405.44	0.01	405.44		6.6	*
2Q20		4/1/2020	NE	40.87	NA	NA	NA	406.01		3.4	*
3Q20		7/6/2020	NE	39.94	NA	NA	NA	406.94		15.5	*
4Q20		10/5/2020	NE	39.83	NA	NA	NA	407.05		41.2	*
1Q21		1/4/2021	NE	41.02	NA	NA	NA	405.86		74.6	*
P 61											
2Q18	444.47	4/4/2018	NM	NM	NA	NA	NA	NA	398.80 - 373.80 (45.68 - 70.68)	NM	Unsafe condition at well - Unable to access
3Q18		7/2/2018	43.77	44.20	400.27	400.70	0.43	400.61		91.3	*
4Q18		10/2/2018	43.89	43.93	400.54	400.58	0.04	400.57		237	*
1Q19		1/3/2019	43.79	43.83	400.64	400.68	0.04	400.67		375	*
2Q19		4/1/2019	43.80	43.81	400.66	400.67	0.01	400.67		417	*
3Q19	444.66	7/1/2019	40.39	40.40	404.26	404.27	0.01	404.27	398.98 - 373.98 (45.68 - 70.68)	220	*
4Q19		10/1/2019	NE	38.74	NA	NA	NA	405.92		68.4	*
1Q20		1/7/2020	40.07	40.08	404.58	404.59	0.01	404.59		8.5	*
2Q20		4/2/2020	39.46	39.49	405.17	405.20	0.03	405.19		37.0	*
3Q20		7/7/2020	38.47	38.49	406.17	406.19	0.02	406.19		29.0	*
4Q20		10/5/2020	38.44	38.45	406.21	406.22	0.01	406.22		18.4	*
1Q21		1/5/2021	39.68	39.70	404.96	404.98	0.02	404.98		102	*
P 62											
2Q18	442.43	4/2/2018	40.03	41.01	401.42	402.40	0.98	402.20	400.96 - 375.96 (41.47 - 66.47)	151	*
3Q18		7/2/2018	41.38	42.49	399.94	401.05	1.11	400.83		0.0	
4Q18		10/3/2018	41.43	42.42	400.01	401.00	0.99	400.80		0.4	
1Q19		1/3/2019	41.47	42.57	399.86	400.96	1.10	400.74		1.2	
2Q19		4/1/2019	41.58	42.34	400.09	400.85	0.76	400.70		63.7	
3Q19	442.60	7/1/2019	38.86	38.89	403.71	403.74	0.03	403.73	401.13 - 376.13 (41.47 - 66.47)	301	*
4Q19		10/1/2019	37.05	37.08	405.52	405.55	0.03	405.54		104	*
1Q20		1/2/2020	37.59	37.65	404.95	405.01	0.06	405.00		40.1	*
2Q20		4/2/2020	37.19	37.21	405.39	405.41	0.02	405.41		46.0	*
3Q20		7/6/2020	36.00	36.01	406.59	406.60	0.01	406.60		63.0	*
4Q20		10/5/2020	35.81	36.01	406.59	406.79	0.20	406.75		10.4	*
1Q21		1/5/2021	37.02	37.05	405.55	405.58	0.03	405.57		104	*
P 63											
2Q18	445.85	4/4/2018	44.09	44.11	401.74	401.76	0.02	401.76	398.56 - 373.56 (47.29 - 72.29)	36.5	*
3Q18		7/3/2018	45.41	45.43	400.42	400.44	0.02	400.44		222	*
4Q18		10/2/2018	45.59	45.62	400.23	400.26	0.03	400.25		70.1	*
1Q19		1/3/2019	45.58	45.61	400.24	400.27	0.03	400.26		68.2	*
2Q19		4/1/2019	45.62	45.65	400.20	400.23	0.03	400.22		852	*
3Q19	446.06	7/1/2019	43.86	43.91	402.15	402.20	0.05	402.19	398.77 - 373.77 (47.29 - 72.29)	81.2	*
4Q19		10/2/2019	41.89	41.92	404.14	404.17	0.03	404.16		5.0	*
1Q20		1/2/2020	41.63	41.65	404.41	404.43	0.02	404.43		8.7	*
2Q20		4/2/2020	41.16	41.17	404.89	404.90	0.01	404.90		10.5	*
3Q20		7/7/2020	39.67	39.68	406.38	406.39	0.01	406.39		28.0	*
4Q20		10/6/2020	39.20	39.21	406.85	406.86	0.01	406.86		54.2	*
1Q21		1/5/2021	40.35	40.36	405.70	405.71	0.01	405.71		18.3	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
P 64											
2Q18	446.89	4/4/2018	45.14	45.19	401.70	401.75	0.05	401.74	399.66 - 374.66 (47.23 - 72.23)	184	*
3Q18		7/3/2018	46.69	46.73	400.16	400.20	0.04	400.19		269	*
4Q18		10/2/2018	46.94	46.99	399.90	399.95	0.05	399.94		178	*
1Q19		1/2/2019	47.21	47.53	399.36	399.68	0.32	399.62		2559	
2Q19		4/1/2019	46.96	47.08	399.81	399.93	0.12	399.91		1220	*
3Q19	446.78	7/1/2019	45.63	45.72	401.06	401.15	0.09	401.13	399.55 - 374.55 (47.23 - 72.23)	206	*
4Q19		10/2/2019	43.58	43.61	403.17	403.20	0.03	403.19		77.5	*
1Q20		1/2/2020	42.98	43.04	403.74	403.80	0.06	403.79		38.9	*
2Q20		4/1/2020	42.35	42.40	404.38	404.43	0.05	404.42		154	*
3Q20		7/7/2020	40.85	40.88	405.90	405.93	0.03	405.92		112	*
4Q20		10/6/2020	40.30	40.34	406.44	406.48	0.04	406.47		115	*
1Q21		1/5/2021	41.45	41.51	405.27	405.33	0.06	405.32		81.2	*
P 65											
2Q18	444.60	4/4/2018	NE	43.02	NA	NA	NA	401.58	397.58 - 372.58 (47.02 - 72.02)	3.5	*
3Q18		7/3/2018	NE	43.58	NA	NA	NA	401.02		24.9	*
4Q18		10/2/2018	NE	43.91	NA	NA	NA	400.69		4.0	*
1Q19		1/3/2019	NE	44.19	NA	NA	NA	400.41		115	*
2Q19		4/1/2019	43.92	43.93	400.67	400.68	0.01	400.68		185	*
3Q19	444.77	7/1/2019	NE	41.97	NA	NA	NA	402.80	397.75 - 372.75 (47.02 - 72.02)	72.8	*
4Q19		10/2/2019	40.01	40.02	404.75	404.76	0.01	404.76		31.1	*
1Q20		1/2/2020	NE	39.96	NA	NA	NA	404.81		9.0	*
2Q20		4/2/2020	NE	39.54	NA	NA	NA	405.23		1.3	*
3Q20		7/7/2020	NE	38.28	NA	NA	NA	406.49		2.8	*
4Q20		10/6/2020	NE	37.82	NA	NA	NA	406.95		25.6	*
1Q21		1/5/2021	NE	39.03	NA	NA	NA	405.74		10.6	*
P 66											
2Q18	436.81	4/4/2018	NE	35.12	NA	NA	NA	401.69	402.09 - 377.09 (34.72 - 59.72)	3.7	
3Q18		7/2/2018	NE	35.20	NA	NA	NA	401.61		0.0	
4Q18		10/3/2018	NE	35.03	NA	NA	NA	401.78		8.0	
1Q19		1/4/2019	NE	34.75	NA	NA	NA	402.06		1.2	
2Q19		4/2/2019	NE	34.48	NA	NA	NA	402.33		2.6	*
3Q19	437.00	7/2/2019	NE	30.27	NA	NA	NA	406.73	402.28 - 377.28 (34.72 - 59.72)	87.7	*
4Q19		10/2/2019	NE	29.50	NA	NA	NA	407.50		42.2	*
1Q20		1/3/2020	NE	30.98	NA	NA	NA	406.02		77.3	*
2Q20		4/3/2020	NE	30.84	NA	NA	NA	406.16		122	*
3Q20		7/13/2020	NE	29.51	NA	NA	NA	407.49		35.6	*
4Q20		10/7/2020	NE	30.10	NA	NA	NA	406.90		51.2	*
1Q21		1/5/2021	NE	31.32	NA	NA	NA	405.68		31.1	*
P 67											
2Q18	444.10	4/4/2018	NE	41.04	NA	NA	NA	403.06	402.12 - 377.12 (41.98 - 66.98)	6.0	*
3Q18		7/2/2018	41.21	41.24	402.86	402.89	0.03	402.88		0.0	*
4Q18		10/3/2018	41.12	41.14	402.96	402.98	0.02	402.98		0.0	*
1Q19		1/4/2019	40.97	41.00	403.10	403.13	0.03	403.12		25.0	*
2Q19		4/2/2019	40.81	40.82	403.28	403.29	0.01	403.29		99.9	*
3Q19	444.30	7/2/2019	37.20	37.24	407.06	407.10	0.04	407.09	402.32 - 377.32 (41.98 - 66.98)	1.1	*
4Q19		10/2/2019	36.27	36.32	407.98	408.03	0.05	408.02		0.9	*
1Q20		1/3/2020	37.30	37.31	406.99	407.00	0.01	407.00		4.4	*
2Q20		4/3/2020	36.91	36.92	407.38	407.39	0.01	407.39		12.0	*
3Q20		7/7/2020	35.80	35.81	408.49	408.50	0.01	408.50		0.9	*
4Q20		10/7/2020	36.24	36.26	408.04	408.06	0.02	408.06		3.3	*
1Q21		1/5/2021	37.39	37.45	406.85	406.91	0.06	406.90		9.6	*
P 68											
2Q18	445.18	4/3/2018	42.89	42.94	402.24	402.29	0.05	402.28	401.42 - 376.42 (43.76 - 68.76)	92.0	*
3Q18		7/2/2018	44.25	44.32	400.86	400.93	0.07	400.92		136	
4Q18		10/2/2018	44.22	44.31	400.87	400.96	0.09	400.94		169	
1Q19		1/3/2019	44.07	44.26	400.92	401.11	0.19	401.07		187	
2Q19		4/1/2019	44.21	44.34	400.84	400.97	0.13	400.94		468	
3Q19	445.38	7/1/2019	40.75	40.88	404.50	404.63	0.13	404.60	401.62 - 376.62 (43.76 - 68.76)	259	*
4Q19		10/1/2019	39.13	39.17	406.21	406.25	0.04	406.24		189	*
1Q20		1/2/2020	40.15	40.20	405.18	405.23	0.05	405.22		115	*
2Q20		4/2/2020	39.42	39.46	405.92	405.96	0.04	405.95		181	*
3Q20		7/7/2020	38.60	38.61	406.77	406.78	0.01	406.78		159	*
4Q20		10/5/2020	38.44	38.47	406.91	406.94	0.03	406.93		112	*
1Q21		1/5/2021	39.73	39.77	405.61	405.65	0.04	405.64		43.3	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
P 69											
2Q18	443.40	4/4/2018	NE	42.00	NA	NA	NA	401.40	402.58 - 377.58 (40.82 - 65.82)	0.0	
3Q18		7/2/2018	NE	43.00	NA	NA	NA	400.40		0.0	
4Q18		10/2/2018	NE	42.95	NA	NA	NA	400.45		0.0	
1Q19		1/3/2019	NE	42.80	NA	NA	NA	400.60		0.1	
2Q19		4/1/2019	NE	42.96	NA	NA	NA	400.44		0.0	
3Q19	443.77	7/1/2019	NE	39.38	NA	NA	NA	404.39	402.95 - 377.95 (40.82 - 65.82)	270	*
4Q19		10/1/2019	NE	37.70	NA	NA	NA	406.07		42.3	*
1Q20		1/2/2020	NE	38.94	NA	NA	NA	404.83		21.2	*
2Q20		4/2/2020	NE	38.05	NA	NA	NA	405.72		72.0	*
3Q20		7/7/2020	NE	37.40	NA	NA	NA	406.37		149	*
4Q20		10/5/2020	NE	37.18	NA	NA	NA	406.59		71.5	*
1Q21		1/5/2021	NE	38.51	NA	NA	NA	405.26		91.1	*
P 70											
2Q18	442.95	4/2/2018	40.94	40.98	401.97	402.01	0.04	402.00	398.28 - 373.28 (44.67 - 69.67)	90.4	*
3Q18		7/2/2018	42.23	42.26	400.69	400.72	0.03	400.71		238	*
4Q18		10/2/2018	42.25	42.27	400.68	400.70	0.02	400.70		297	*
1Q19		1/3/2019	42.18	42.19	400.76	400.77	0.01	400.77		204	*
2Q19		4/1/2019	42.26	42.27	400.68	400.69	0.01	400.69		1406	*
3Q19	443.11	7/1/2019	38.92	38.93	404.18	404.19	0.01	404.19	398.44 - 373.44 (44.67 - 69.67)	371	*
4Q19		10/1/2019	37.22	37.23	405.88	405.89	0.01	405.89		221	*
1Q20		1/2/2020	NE	38.15	NA	NA	NA	404.96		150	*
2Q20		4/2/2020	37.65	37.66	405.45	405.46	0.01	405.46		190	*
3Q20		7/7/2020	NE	36.67	NA	NA	NA	406.44		268	*
4Q20		10/5/2020	NE	36.58	NA	NA	NA	406.53		242	*
1Q21		1/5/2021	37.79	37.80	405.31	405.32	0.01	405.32		58.1	*
P 71											
2Q18	444.94	4/4/2018	NE	42.99	NA	NA	NA	401.95	402.33 - 377.33 (42.61 - 67.61)	50.4	
3Q18		7/3/2018	NE	43.36	NA	NA	NA	401.58		41.2	
4Q18		10/2/2018	NE	43.61	NA	NA	NA	401.33		108	
1Q19		1/3/2019	NE	43.73	NA	NA	NA	401.21		123	
2Q19		4/1/2019	NE	43.38	NA	NA	NA	401.56		350	
3Q19	445.09	7/1/2019	NE	40.85	NA	NA	NA	404.24	402.48 - 377.48 (42.61 - 67.61)	52.7	*
4Q19		10/1/2019	NE	38.67	NA	NA	NA	406.42		72.4	*
1Q20		1/2/2020	NE	39.49	NA	NA	NA	405.60		49.6	*
2Q20		4/2/2020	NE	39.30	NA	NA	NA	405.79		101	*
3Q20		7/7/2020	NE	38.35	NA	NA	NA	406.74		51.8	*
4Q20		10/6/2020	NE	38.06	NA	NA	NA	407.03		101	*
1Q21		1/5/2021	NE	38.96	NA	NA	NA	406.13		35.6	*
P 72											
2Q18	444.49	4/4/2018	NE	42.81	NA	NA	NA	401.68	398.72 - 373.72 (45.77 - 70.77)	2.6	*
3Q18		7/3/2018	NE	42.90	NA	NA	NA	401.59		2.3	*
4Q18		10/3/2018	43.01	43.02	401.47	401.48	0.01	401.48		7.2	*
1Q19		1/3/2019	43.11	43.12	401.37	401.38	0.01	401.38		135	*
2Q19		4/1/2019	42.93	42.94	401.55	401.56	0.01	401.56		83.4	*
3Q19	444.70	7/1/2019	NE	40.20	NA	NA	NA	404.50	398.93 - 373.93 (45.77 - 70.77)	11.0	*
4Q19		10/2/2019	NM	NM	NA	NA	NA	NA		NM	Unsafe condition at well - Unable to access
1Q20		1/2/2020	NM	NM	NA	NA	NA	NA		NM	Unsafe condition at well - Unable to access
2Q20		4/2/2020	NE	38.84	NA	NA	NA	405.86		0.8	*
3Q20		7/7/2020	NE	37.75	NA	NA	NA	406.95		5.6	*
4Q20		10/6/2020	NE	37.54	NA	NA	NA	407.16		49.4	*
1Q21		1/5/2021	NE	38.65	NA	NA	NA	406.05		30.1	*
P 73											
2Q18	443.86	4/4/2018	NE	43.21	NA	NA	NA	400.65	402.27 - 377.27 (41.59 - 66.59)	0.0	
3Q18		7/3/2018	NE	43.43	NA	NA	NA	400.43		0.0	
4Q18		10/3/2018	NE	43.24	NA	NA	NA	400.62		1.8	
1Q19		1/3/2019	NE	43.06	NA	NA	NA	400.80		6.6	
2Q19		4/2/2019	NE	42.70	NA	NA	NA	401.16		2.6	
3Q19	444.02	7/1/2019	NE	38.98	NA	NA	NA	405.04	402.42 - 377.42 (41.59 - 66.59)	488	*
4Q19		10/1/2019	NE	37.68	NA	NA	NA	406.34		226	*
1Q20		1/2/2020	NE	39.30	NA	NA	NA	404.72		38.4	*
2Q20		4/2/2020	NE	38.75	NA	NA	NA	405.27		42.8	*
3Q20		7/7/2020	NE	37.81	NA	NA	NA	406.21		230	*
4Q20		10/6/2020	NE	38.01	NA	NA	NA	406.01		202	*
1Q21		1/8/2021	NE	39.22	NA	NA	NA	404.80		54.5	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
P 74											
2Q18	442.72	4/4/2018	NE	39.81	NA	NA	NA	402.91	398.89 - 373.89 (43.83 - 68.83)	0.0	*
3Q18		7/2/2018	NE	42.35	NA	NA	NA	400.37		0.0	*
4Q18		10/2/2018	NE	42.18	NA	NA	NA	400.54		1.1	*
1Q19		1/3/2019	NE	41.95	NA	NA	NA	400.77		0.0	*
2Q19		4/1/2019	NE	40.46	NA	NA	NA	402.26		0.7	* Gauging resu t anomalous
3Q19	442.93	7/1/2019	NE	38.32	NA	NA	NA	404.61	399.10 - 374.10 (43.83 - 68.83)	0.0	*
4Q19		10/1/2019	NE	36.71	NA	NA	NA	406.22		0.2	*
1Q20		1/2/2020	NE	38.07	NA	NA	NA	404.86		0.0	*
2Q20		4/2/2020	NE	37.28	NA	NA	NA	405.65		0.0	*
3Q20		7/7/2020	NE	36.55	NA	NA	NA	406.38		0.1	*
4Q20		10/5/2020	NE	36.46	NA	NA	NA	406.47		0.1	*
1Q21		1/5/2021	NE	37.77	NA	NA	NA	405.16		0.0	*
P 75											
2Q18	446.42	4/4/2018	NE	45.06	NA	NA	NA	401.36	403.29 - 378.29 (43.13 - 68.13)	0.0	
3Q18		7/2/2018	NE	45.15	NA	NA	NA	401.27		0.0	
4Q18		10/3/2018	NE	45.06	NA	NA	NA	401.36		14.4	
1Q19		1/4/2019	NE	44.74	NA	NA	NA	401.68		4.6	
2Q19		4/2/2019	NE	44.43	NA	NA	NA	401.99		21.6	
3Q19	446.68	7/2/2019	NE	40.50	NA	NA	NA	406.18	403.55 - 378.55 (43.13 - 68.13)	10.5	*
4Q19		10/2/2019	NE	39.53	NA	NA	NA	407.15		5.7	*
1Q20		1/3/2020	NE	41.08	NA	NA	NA	405.60		33.8	*
2Q20		4/3/2020	NE	40.65	NA	NA	NA	406.03		87.7	*
3Q20		7/7/2020	NE	39.62	NA	NA	NA	407.06		31.9	*
4Q20		10/7/2020	NE	40.01	NA	NA	NA	406.67		43.8	*
1Q21		1/5/2021	NE	41.13	NA	NA	NA	405.55		48.2	*
P 82A											
2Q18	435.02	4/3/2018	NE	27.83	NA	NA	NA	407.19	401.81 - 386.81 (33.21 - 48.21)	0.0	*
3Q18		7/2/2018	NE	28.14	NA	NA	NA	406.88		0.0	*
4Q18		10/3/2018	NE	28.38	NA	NA	NA	406.64		0.0	*
1Q19		1/4/2019	NE	28.25	NA	NA	NA	406.77		0.0	*
2Q19		4/2/2019	NE	27.83	NA	NA	NA	407.19		0.0	*
3Q19	434.94	7/1/2019	NE	24.08	NA	NA	NA	410.86	401.73 - 386.73 (33.21 - 48.21)	0.0	*
4Q19		10/1/2019	NE	23.86	NA	NA	NA	411.08		0.1	*
1Q20		1/2/2020	NE	24.67	NA	NA	NA	410.27		0.0	*
2Q20		4/2/2020	NE	24.11	NA	NA	NA	410.83		0.0	*
3Q20		7/7/2020	NE	22.98	NA	NA	NA	411.96		0.0	*
4Q20		10/7/2020	NE	24.11	NA	NA	NA	410.83		0.0	*
1Q21		1/5/2021	NE	25.28	NA	NA	NA	409.66		0.0	*
P 82B											
2Q18	434.48	4/3/2018	NE	27.54	NA	NA	NA	406.94	371.68 - 369.68 (62.80 - 64.80)	0.0	*
3Q18		7/2/2018	NE	27.85	NA	NA	NA	406.63		0.0	*
4Q18		10/3/2018	NE	28.09	NA	NA	NA	406.39		0.0	*
1Q19		1/4/2019	NE	27.97	NA	NA	NA	406.51		0.0	*
2Q19		4/2/2019	NE	27.55	NA	NA	NA	406.93		0.0	*
3Q19	434.68	7/1/2019	NE	23.78	NA	NA	NA	410.90	371.88 - 369.88 (62.80 - 64.80)	0.0	*
4Q19		10/1/2019	NE	23.59	NA	NA	NA	411.09		0.0	*
1Q20		1/2/2020	NE	24.40	NA	NA	NA	410.28		0.0	*
2Q20		4/2/2020	NE	23.82	NA	NA	NA	410.86		0.0	*
3Q20		7/7/2020	NE	22.71	NA	NA	NA	411.97		0.1	*
4Q20		10/7/2020	NE	23.82	NA	NA	NA	410.86		0.0	*
1Q21		1/5/2021	NE	25.01	NA	NA	NA	409.67		0.0	*
P 82C											
2Q18	434.21	4/3/2018	NE	27.22	NA	NA	NA	406.99	351.44 - 349.44 (82.77 - 84.77)	0.0	*
3Q18		7/2/2018	NE	27.65	NA	NA	NA	406.56		0.0	*
4Q18		10/3/2018	NE	27.79	NA	NA	NA	406.42		0.0	*
1Q19		1/4/2019	NE	27.67	NA	NA	NA	406.54		0.0	*
2Q19		4/2/2019	NE	27.25	NA	NA	NA	406.96		0.0	*
3Q19	434.41	7/1/2019	NE	23.49	NA	NA	NA	410.92	351.64 - 349.64 (82.77 - 84.77)	0.0	*
4Q19		10/1/2019	NE	23.30	NA	NA	NA	411.11		0.0	*
1Q20		1/2/2020	NE	24.72	NA	NA	NA	409.69		0.0	*
2Q20		4/2/2020	NE	23.52	NA	NA	NA	410.89		0.0	*
3Q20		7/7/2020	NE	22.40	NA	NA	NA	412.01		0.0	*
4Q20		10/7/2020	NE	23.53	NA	NA	NA	410.88		0.0	*
1Q21		1/5/2021	NE	24.73	NA	NA	NA	409.68		0.1	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
P 82D											
2Q18	434.89	4/3/2018	NE	27.99	NA	NA	NA	406.90	323.35 - 321.35 (111.54 - 113.54)	0.0	*
3Q18		7/2/2018	NE	28.35	NA	NA	NA	406.54		0.0	*
4Q18		10/3/2018	NE	28.57	NA	NA	NA	406.32		0.0	*
1Q19		1/4/2019	NE	28.42	NA	NA	NA	406.47		0.0	*
2Q19		4/2/2019	NE	27.99	NA	NA	NA	406.90		0.0	*
3Q19	435.09	7/1/2019	NE	24.20	NA	NA	NA	410.89	323.55 - 321.55 (111.54 - 113.54)	0.0	*
4Q19		10/1/2019	NE	24.02	NA	NA	NA	411.07		0.0	*
1Q20		1/2/2020	NE	25.86	NA	NA	NA	409.23		0.0	*
2Q20		4/2/2020	NE	24.27	NA	NA	NA	410.82		0.0	*
3Q20		7/7/2020	NE	23.16	NA	NA	NA	411.93		0.0	*
4Q20		10/7/2020	NE	24.30	NA	NA	NA	410.79		0.0	*
1Q21		1/5/2021	NE	25.47	NA	NA	NA	409.62		0.1	*
P 83A											
2Q18	445.36	4/2/2018	NE	40.74	NA	NA	NA	404.62	398.71 - 383.71 (46.65 - 61.65)	0.0	*
3Q18		7/2/2018	NE	42.59	NA	NA	NA	402.77		0.0	*
4Q18		10/1/2018	NE	43.03	NA	NA	NA	402.33		0.0	*
1Q19		1/2/2019	NE	43.55	NA	NA	NA	401.81		0.0	*
2Q19		4/2/2019	NE	43.34	NA	NA	NA	402.02	397.96 - 382.96 (47.40 - 62.40)	0.0	*
3Q19	445.54	7/1/2019	NE	41.95	NA	NA	NA	403.59	398.14 - 383.14 (47.40 - 62.40)	0.0	*
4Q19		10/2/2019	NE	40.55	NA	NA	NA	404.99		0.0	*
1Q20		1/2/2020	NE	39.80	NA	NA	NA	405.74		0.0	*
2Q20		4/2/2020	NE	38.84	NA	NA	NA	406.70		0.0	*
3Q20		7/7/2020	NE	37.27	NA	NA	NA	408.27		0.0	*
4Q20		10/6/2020	NE	36.71	NA	NA	NA	408.83		0.0	*
1Q21		1/4/2021	NE	38.82	NA	NA	NA	406.72		0.0	*
P 83B											
2Q18	445.55	4/2/2018	NE	41.01	NA	NA	NA	404.54	371.75 - 369.75 (73.80 - 75.80)	0.0	*
3Q18		7/2/2018	NE	42.83	NA	NA	NA	402.72		0.0	*
4Q18		10/1/2018	NE	43.29	NA	NA	NA	402.26		0.0	*
1Q19		1/2/2019	NE	43.80	NA	NA	NA	401.75		0.0	*
2Q19		4/2/2019	NE	43.59	NA	NA	NA	401.96		0.0	*
3Q19	445.77	7/1/2019	NE	42.20	NA	NA	NA	403.57	371.97 - 369.97 (73.80 - 75.80)	0.0	*
4Q19		10/2/2019	NE	40.80	NA	NA	NA	404.97		0.0	*
1Q20		1/2/2020	NE	40.06	NA	NA	NA	405.71		0.0	*
2Q20		4/2/2020	NE	39.09	NA	NA	NA	406.68		0.0	*
3Q20		7/7/2020	NE	37.54	NA	NA	NA	408.23		0.0	*
4Q20		10/6/2020	NE	36.96	NA	NA	NA	408.81		0.1	*
1Q21		1/4/2021	NE	37.87	NA	NA	NA	407.90		0.0	*
P 83C											
2Q18	445.78	4/2/2018	NE	41.15	NA	NA	NA	404.63	353.39 - 351.39 (92.39 - 94.39)	0.0	*
3Q18		7/2/2018	NE	42.99	NA	NA	NA	402.79		0.0	*
4Q18		10/1/2018	NE	43.44	NA	NA	NA	402.34		0.0	*
1Q19		1/2/2019	NE	43.95	NA	NA	NA	401.83		0.0	*
2Q19		4/2/2019	NE	43.75	NA	NA	NA	402.03		0.0	*
3Q19	445.95	7/1/2019	NE	42.44	NA	NA	NA	403.51	353.56 - 351.56 (92.39 - 94.39)	0.0	*
4Q19		10/2/2019	NE	40.96	NA	NA	NA	404.99		0.0	*
1Q20		1/2/2020	NE	40.21	NA	NA	NA	405.74		0.0	*
2Q20		4/2/2020	NE	39.25	NA	NA	NA	406.70		0.0	*
3Q20		7/7/2020	NE	37.69	NA	NA	NA	408.26		0.0	*
4Q20		10/6/2020	NE	37.11	NA	NA	NA	408.84		0.0	*
1Q21		1/4/2021	NE	38.03	NA	NA	NA	407.92		0.0	*
P 83D											
2Q18	445.70	4/2/2018	NE	41.13	NA	NA	NA	404.57	311.90 - 309.90 (133.80 - 135.80)	0.0	*
3Q18		7/2/2018	NE	43.96	NA	NA	NA	401.74		0.0	*
4Q18		10/1/2018	NE	43.41	NA	NA	NA	402.29		0.0	*
1Q19		1/2/2019	NE	43.93	NA	NA	NA	401.77		0.0	*
2Q19		4/2/2019	NE	43.72	NA	NA	NA	401.98		0.0	*
3Q19	445.86	7/1/2019	NE	42.40	NA	NA	NA	403.46	312.06 - 310.06 (133.80 - 135.80)	0.0	*
4Q19		10/2/2019	NE	40.94	NA	NA	NA	404.92		0.0	*
1Q20		1/2/2020	NE	40.19	NA	NA	NA	405.67		0.0	*
2Q20		4/2/2020	NE	39.22	NA	NA	NA	406.64		0.0	*
3Q20		7/7/2020	NE	37.66	NA	NA	NA	408.20		0.0	*
4Q20		10/6/2020	NE	37.08	NA	NA	NA	408.78		0.0	*
1Q21		1/4/2021	NE	37.99	NA	NA	NA	407.87		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
P 84A											
2Q18	446.49	4/4/2018	NE	42.22	NA	NA	NA	404.27	397.57 - 382.57 (48.92 - 63.92)	0.0	*
3Q18		7/3/2018	NE	43.16	NA	NA	NA	403.33		0.0	*
4Q18		10/3/2018	NE	43.55	NA	NA	NA	402.94		0.0	*
1Q19		1/3/2019	NE	43.79	NA	NA	NA	402.70		0.0	*
2Q19		4/2/2019	NE	43.79	NA	NA	NA	402.70		0.0	*
3Q19	446.63	7/1/2019	NE	41.69	NA	NA	NA	404.94	397.71 - 382.71 (48.92 - 63.92)	0.0	*
4Q19		10/1/2019	NE	40.00	NA	NA	NA	406.63		0.0	*
1Q20		1/2/2020	NE	39.85	NA	NA	NA	406.78		0.0	*
2Q20		4/1/2020	NE	39.39	NA	NA	NA	407.24		0.0	*
3Q20		7/7/2020	NE	37.98	NA	NA	NA	408.65		0.0	*
4Q20		10/6/2020	NE	37.65	NA	NA	NA	408.98		0.0	*
1Q21		1/5/2021	NE	38.64	NA	NA	NA	407.99		0.0	*
P 84B											
2Q18	446.21	4/4/2018	NE	41.94	NA	NA	NA	404.27	372.71 - 370.71 (73.50 - 75.50)	0.0	*
3Q18		7/3/2018	NE	42.90	NA	NA	NA	403.31		0.0	*
4Q18		10/3/2018	NE	43.28	NA	NA	NA	402.93		0.0	*
1Q19		1/3/2019	NE	43.51	NA	NA	NA	402.70		0.1	*
2Q19		4/2/2019	NE	43.51	NA	NA	NA	402.70		0.0	*
3Q19	446.35	7/1/2019	NE	41.41	NA	NA	NA	404.94	372.85 - 370.85 (73.50 - 75.50)	0.0	*
4Q19		10/1/2019	NE	39.72	NA	NA	NA	406.63		0.0	*
1Q20		1/2/2020	NE	39.56	NA	NA	NA	406.79		0.0	*
2Q20		4/1/2020	NE	39.14	NA	NA	NA	407.21		0.0	*
3Q20		7/7/2020	NE	37.72	NA	NA	NA	408.63		0.0	*
4Q20		10/6/2020	NE	37.39	NA	NA	NA	408.96		0.0	*
1Q21		1/5/2021	NE	38.37	NA	NA	NA	407.98		0.0	*
P 84C											
2Q18	446.22	4/4/2018	NE	41.96	NA	NA	NA	404.26	352.17 - 350.17 (94.05 - 96.05)	0.0	*
3Q18		7/3/2018	NE	43.89	NA	NA	NA	402.33		0.0	*
4Q18		10/3/2018	NE	43.28	NA	NA	NA	402.94		0.0	*
1Q19		1/3/2019	NE	43.53	NA	NA	NA	402.69		0.1	*
2Q19		4/2/2019	NE	43.52	NA	NA	NA	402.70		0.0	*
3Q19	446.37	7/1/2019	NE	41.45	NA	NA	NA	404.92	352.32 - 350.32 (94.05 - 96.05)	0.0	*
4Q19		10/1/2019	NE	39.75	NA	NA	NA	406.62		0.0	*
1Q20		1/2/2020	NE	38.57	NA	NA	NA	407.80		0.0	*
2Q20		4/1/2020	NE	39.13	NA	NA	NA	407.24		0.0	*
3Q20		7/7/2020	NE	37.74	NA	NA	NA	408.63		0.0	*
4Q20		10/6/2020	NE	37.41	NA	NA	NA	408.96		0.0	*
1Q21		1/5/2021	NE	38.38	NA	NA	NA	407.99		0.0	*
P 84D											
2Q18	446.24	4/4/2018	NE	41.97	NA	NA	NA	404.27	325.41 - 323.41 (120.83 - 122.83)	0.0	*
3Q18		7/3/2018	NE	42.89	NA	NA	NA	403.35		0.0	*
4Q18		10/3/2018	NE	43.28	NA	NA	NA	402.96		0.0	*
1Q19		1/3/2019	NE	43.51	NA	NA	NA	402.73		0.1	*
2Q19		4/2/2019	NE	43.52	NA	NA	NA	402.72		0.0	*
3Q19	446.38	7/1/2019	NE	41.42	NA	NA	NA	404.96	325.55 - 323.55 (120.83 - 122.83)	0.0	*
4Q19		10/1/2019	NE	39.73	NA	NA	NA	406.65		0.0	*
1Q20		1/2/2020	NE	39.57	NA	NA	NA	406.81		0.0	*
2Q20		4/1/2020	NE	39.14	NA	NA	NA	407.24		0.0	*
3Q20		7/7/2020	NE	37.74	NA	NA	NA	408.64		0.0	*
4Q20		10/6/2020	NE	37.40	NA	NA	NA	408.98		0.0	*
1Q21		1/5/2021	NE	38.39	NA	NA	NA	407.99		0.0	*
P 88A											
2Q18	443.09	4/4/2018	NE	34.04	NA	NA	NA	409.05	404.69 - 389.69 (38.40 - 53.40)	0.0	*
3Q18		7/2/2018	NE	33.86	NA	NA	NA	409.23		0.0	*
4Q18		10/3/2018	NE	34.01	NA	NA	NA	409.08		0.0	*
1Q19		1/4/2019	NE	34.31	NA	NA	NA	408.78		0.0	*
2Q19		4/2/2019	NE	34.22	NA	NA	NA	408.87		0.0	*
3Q19	443.27	7/2/2019	NE	31.34	NA	NA	NA	411.93	404.87 - 389.87 (38.40 - 53.40)	0.0	*
4Q19		10/2/2019	NE	30.41	NA	NA	NA	412.86		0.0	*
1Q20		1/3/2020	NE	30.75	NA	NA	NA	412.52		0.0	*
2Q20		4/3/2020	NE	30.01	NA	NA	NA	413.26		0.0	*
3Q20		7/7/2020	NE	29.04	NA	NA	NA	414.23		0.0	*
4Q20		10/7/2020	NE	29.24	NA	NA	NA	414.03		0.0	*
1Q21		1/5/2021	NE	30.40	NA	NA	NA	412.87		0.1	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
P 88B											
2Q18	443.16	4/4/2018	NE	34.09	NA	NA	NA	409.07	371.51 - 369.51 (71.65 - 73.65)	0.0	*
3Q18		7/2/2018	NE	33.84	NA	NA	NA	409.32		0.0	*
4Q18		10/3/2018	NE	34.08	NA	NA	NA	409.08		0.1	*
1Q19		1/4/2019	NE	34.37	NA	NA	NA	408.79		0.0	*
2Q19		4/2/2019	NE	34.29	NA	NA	NA	408.87		0.0	*
3Q19	443.35	7/2/2019	NE	31.41	NA	NA	NA	411.94	371.70 - 369.70 (71.65 - 73.65)	0.0	*
4Q19		10/2/2019	NE	30.47	NA	NA	NA	412.88		0.0	*
1Q20		1/3/2020	NE	30.80	NA	NA	NA	412.55		0.0	*
2Q20		4/3/2020	NE	30.07	NA	NA	NA	413.28		0.0	*
3Q20		7/7/2020	NE	29.09	NA	NA	NA	414.26		0.0	*
4Q20		10/7/2020	NE	29.30	NA	NA	NA	414.05		0.0	*
1Q21		1/5/2021	NE	30.46	NA	NA	NA	412.89		0.1	*
P 88C											
2Q18	443.13	4/4/2018	NE	34.05	NA	NA	NA	409.08	350.83 - 348.83 (92.30 - 94.30)	0.0	*
3Q18		7/2/2018	NE	33.88	NA	NA	NA	409.25		0.0	*
4Q18		10/3/2018	NE	34.02	NA	NA	NA	409.11		0.0	*
1Q19		1/4/2019	NE	34.32	NA	NA	NA	408.81		0.0	*
2Q19		4/2/2019	NE	34.24	NA	NA	NA	408.89		0.0	*
3Q19	443.31	7/2/2019	NE	31.37	NA	NA	NA	411.94	351.01 - 349.01 (92.30 - 94.30)	0.0	*
4Q19		10/2/2019	NE	30.44	NA	NA	NA	412.87		0.0	*
1Q20		1/3/2020	NE	30.77	NA	NA	NA	412.54		0.0	*
2Q20		4/3/2020	NE	30.04	NA	NA	NA	413.27		0.0	*
3Q20		7/7/2020	NE	29.05	NA	NA	NA	414.26		0.1	*
4Q20		10/7/2020	NE	29.25	NA	NA	NA	414.06		0.0	*
1Q21		1/5/2021	NE	30.40	NA	NA	NA	412.91		0.1	*
P 88D											
2Q18	443.20	4/4/2018	NE	34.17	NA	NA	NA	409.03	331.03 - 329.03 (112.17 - 114.17)	0.0	*
3Q18		7/2/2018	NE	34.09	NA	NA	NA	409.11		0.0	*
4Q18		10/3/2018	NE	34.26	NA	NA	NA	408.94		0.0	*
1Q19		1/4/2019	NE	34.45	NA	NA	NA	408.75		0.0	*
2Q19		4/2/2019	NE	34.30	NA	NA	NA	408.90		0.0	*
3Q19	443.38	7/2/2019	NE	31.35	NA	NA	NA	412.03	331.21 - 329.21 (112.17 - 114.17)	0.0	*
4Q19		10/2/2019	NE	30.56	NA	NA	NA	412.82		0.0	*
1Q20		1/3/2020	NE	30.89	NA	NA	NA	412.49		0.0	*
2Q20		4/3/2020	NE	29.97	NA	NA	NA	413.41		0.0	*
3Q20		7/7/2020	NE	29.16	NA	NA	NA	414.22		0.0	*
4Q20		10/7/2020	NE	29.43	NA	NA	NA	413.95		0.0	*
1Q21		1/5/2021	NE	30.60	NA	NA	NA	412.78		0.1	*
P 89B											
2Q18	447.44	4/3/2018	NE	40.47	NA	NA	NA	406.97	370.08 - 368.08 (77.36 - 79.36)	0.0	*
3Q18		7/3/2018	NE	41.39	NA	NA	NA	406.05		0.0	*
4Q18		10/2/2018	NE	41.74	NA	NA	NA	405.70		0.0	*
1Q19		1/3/2019	NE	42.63	NA	NA	NA	404.81		0.0	*
2Q19		4/2/2019	NE	42.41	NA	NA	NA	405.03		0.0	*
3Q19	447.64	7/2/2019	NE	41.60	NA	NA	NA	406.04	370.28 - 368.28 (77.36 - 79.36)	0.0	*
4Q19		10/2/2019	NE	40.11	NA	NA	NA	407.53		0.0	*
1Q20		1/2/2020	NE	39.20	NA	NA	NA	408.44		0.0	*
2Q20		4/3/2020	NE	37.98	NA	NA	NA	409.66		0.0	*
3Q20		7/8/2020	NE	36.46	NA	NA	NA	411.18		0.0	*
4Q20		10/6/2020	NE	35.79	NA	NA	NA	411.85		0.0	*
1Q21		1/5/2021	NE	36.98	NA	NA	NA	410.66		0.0	*
P 89C											
2Q18	447.76	4/3/2018	NE	40.79	NA	NA	NA	406.97	350.13 - 348.13 (97.63 - 99.63)	0.0	*
3Q18		7/3/2018	NE	42.09	NA	NA	NA	405.67		0.0	*
4Q18		10/2/2018	NE	42.11	NA	NA	NA	405.65		0.0	*
1Q19		1/3/2019	NE	43.03	NA	NA	NA	404.73		0.0	*
2Q19		4/2/2019	NE	42.75	NA	NA	NA	405.01	351.36 - 349.36 (96.40 - 98.40)	0.0	*
3Q19	447.96	7/2/2019	NE	41.95	NA	NA	NA	406.01	351.56 - 349.56 (96.40 - 98.40)	0.0	*
4Q19		10/2/2019	NE	40.46	NA	NA	NA	407.50		0.0	*
1Q20		1/2/2020	NE	39.54	NA	NA	NA	408.42		0.0	*
2Q20		4/3/2020	NE	38.27	NA	NA	NA	409.69		0.0	*
3Q20		7/8/2020	NE	37.00	NA	NA	NA	410.96		0.0	*
4Q20		10/6/2020	NE	36.13	NA	NA	NA	411.83		0.0	*
1Q21		1/5/2021	NE	37.34	NA	NA	NA	410.62		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
P 89D											
2Q18	447.63	4/3/2018	NE	40.95	NA	NA	NA	406.68	307.29 - 305.29 (140.34 - 142.34)	0.0	*
3Q18		7/3/2018	NE	41.76	NA	NA	NA	405.87		0.0	*
4Q18		10/2/2018	NE	42.15	NA	NA	NA	405.48		0.0	*
1Q19		1/3/2019	NE	43.11	NA	NA	NA	404.52		0.0	*
2Q19		4/2/2019	NE	42.87	NA	NA	NA	404.76		0.0	*
3Q19	447.83	7/2/2019	NE	42.05	NA	NA	NA	405.78	309.33 - 307.33 (138.50 - 140.50)	0.0	*
4Q19		10/2/2019	NE	40.53	NA	NA	NA	407.30		0.0	*
1Q20		1/2/2020	NE	39.58	NA	NA	NA	408.25		0.0	*
2Q20		4/3/2020	NE	38.29	NA	NA	NA	409.54		0.0	*
3Q20		7/8/2020	NE	37.03	NA	NA	NA	410.80		0.0	*
4Q20		10/6/2020	NE	36.15	NA	NA	NA	411.68		0.0	*
1Q21		1/5/2021	NE	37.35	NA	NA	NA	410.48		0.0	*
P 91A											
2Q18	447.24	4/3/2018	NE	45.39	NA	NA	NA	401.85	395.72 - 380.72 (51.51 - 66.51)	43.1	*
3Q18		7/2/2018	NE	48.52	NA	NA	NA	398.72		151	*
4Q18		10/1/2018	NE	48.70	NA	NA	NA	398.54		5.6	*
1Q19		1/2/2019	48.87	48.90	398.34	398.37	0.03	398.36		1129	*
2Q19		4/2/2019	48.58	48.59	398.65	398.66	0.01	398.66		413	*
3Q19	447.43	7/1/2019	47.77	47.78	399.65	399.66	0.01	399.66	395.92 - 380.92 (51.51 - 66.51)	14.7	*
4Q19		10/2/2019	NE	45.72	NA	NA	NA	401.71		9.5	*
1Q20		1/2/2020	44.69	44.70	402.73	402.74	0.01	402.74		7.4	*
2Q20		4/1/2020	NE	44.10	NA	NA	NA	403.33		38.0	*
3Q20		7/6/2020	NE	42.34	NA	NA	NA	405.09		21.8	*
4Q20		10/6/2020	NE	41.66	NA	NA	NA	405.77		33.5	*
1Q21		1/5/2021	42.73	42.74	404.69	404.70	0.01	404.70		72.4	*
P 91B											
2Q18	447.28	4/3/2018	NE	45.45	NA	NA	NA	401.83	372.59 - 370.59 (74.69 - 76.69)	0.5	*
3Q18		7/2/2018	NE	48.69	NA	NA	NA	398.59		11.0	*
4Q18		10/1/2018	NE	48.88	NA	NA	NA	398.40		12.1	*
1Q19		1/2/2019	NE	49.04	NA	NA	NA	398.24		73.3	*
2Q19		4/2/2019	NE	48.75	NA	NA	NA	398.53		116	*
3Q19	447.47	7/1/2019	NE	47.97	NA	NA	NA	399.50	372.78 - 370.78 (74.69 - 76.69)	3.5	*
4Q19		10/2/2019	NE	45.89	NA	NA	NA	401.58		6.5	*
1Q20		1/2/2020	NE	44.85	NA	NA	NA	402.62		0.0	*
2Q20		4/1/2020	NE	44.05	NA	NA	NA	403.42		15.5	*
3Q20		7/6/2020	NE	42.47	NA	NA	NA	405.00		20.6	*
4Q20		10/6/2020	NE	41.79	NA	NA	NA	405.68		11.3	*
1Q21		1/5/2021	NE	42.83	NA	NA	NA	404.64		7.5	*
P 91C											
2Q18	447.07	4/3/2018	NE	45.21	NA	NA	NA	401.86	352.34 - 350.34 (94.73 - 96.73)	0.0	*
3Q18		7/2/2018	NE	48.44	NA	NA	NA	398.63		0.0	*
4Q18		10/1/2018	NE	48.61	NA	NA	NA	398.46		0.0	*
1Q19		1/2/2019	NE	48.80	NA	NA	NA	398.27		1.2	*
2Q19		4/2/2019	NE	48.47	NA	NA	NA	398.60		0.0	*
3Q19	447.27	7/1/2019	NE	47.69	NA	NA	NA	399.58	352.54 - 350.54 (94.73 - 96.73)	0.0	*
4Q19		10/2/2019	NE	45.63	NA	NA	NA	401.64		0.0	*
1Q20		1/2/2020	NE	44.60	NA	NA	NA	402.67		0.1	*
2Q20		4/1/2020	NE	43.80	NA	NA	NA	403.47		0.0	*
3Q20		7/6/2020	NE	42.22	NA	NA	NA	405.05		0.0	*
4Q20		10/6/2020	NE	41.55	NA	NA	NA	405.72		0.0	*
1Q21		1/5/2021	NE	42.60	NA	NA	NA	404.67		0.0	*
P 91D											
2Q18	447.06	4/3/2018	NE	45.20	NA	NA	NA	401.86	278.74 - 276.74 (168.32 - 170.32)	0.0	*
3Q18		7/2/2018	NE	48.41	NA	NA	NA	398.65		0.0	*
4Q18		10/1/2018	NE	48.56	NA	NA	NA	398.50		0.0	*
1Q19		1/2/2019	NE	48.76	NA	NA	NA	398.30		1.6	*
2Q19		4/2/2019	NE	48.44	NA	NA	NA	398.62		0.0	*
3Q19	447.26	7/1/2019	NE	47.66	NA	NA	NA	399.60	278.94 - 276.94 (168.32 - 170.32)	0.0	*
4Q19		10/2/2019	NE	45.60	NA	NA	NA	401.66		0.0	*
1Q20		1/2/2020	NE	44.59	NA	NA	NA	402.67		0.1	*
2Q20		4/1/2020	NE	43.77	NA	NA	NA	403.49		0.8	*
3Q20		7/6/2020	NE	42.20	NA	NA	NA	405.06		0.0	*
4Q20		10/6/2020	NE	41.54	NA	NA	NA	405.72		0.0	*
1Q21		1/5/2021	NE	42.59	NA	NA	NA	404.67		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
P 92A											
2Q18	446.24	4/4/2018	44.83	44.84	401.40	401.41	0.01	401.41	398.67 - 383.67 (47.57 - 62.57)	31.5	*
3Q18		7/3/2018	NE	45.69	NA	NA	NA	400.55		4.0	*
4Q18		10/2/2018	46.04	46.06	400.18	400.20	0.02	400.20		33.8	*
1Q19		1/2/2019	46.39	46.41	399.83	399.85	0.02	399.85		640	*
2Q19		4/1/2019	46.10	46.11	400.13	400.14	0.01	400.14		232	*
3Q19	446.39	7/1/2019	44.54	44.56	401.83	401.85	0.02	401.85	398.82 - 383.82 (47.57 - 62.57)	36.4	*
4Q19		10/2/2019	42.50	42.51	403.88	403.89	0.01	403.89		11.1	*
1Q20		1/2/2020	42.13	42.14	404.25	404.26	0.01	404.26		26.0	*
2Q20		4/2/2020	41.58	41.60	404.79	404.81	0.02	404.81		32.3	*
3Q20		7/7/2020	40.21	40.22	406.17	406.18	0.01	406.18		61.8	*
4Q20		10/6/2020	39.67	39.68	406.71	406.72	0.01	406.72		84.4	*
1Q21		1/5/2021	40.89	40.90	405.49	405.50	0.01	405.50		54.0	*
P 92B											
2Q18	446.18	4/4/2018	NE	44.79	NA	NA	NA	401.39	372.53 - 370.53 (73.65 - 75.65)	0.0	*
3Q18		7/3/2018	NE	45.65	NA	NA	NA	400.53		0.5	*
4Q18		10/2/2018	NE	46.01	NA	NA	NA	400.17		0.1	*
1Q19		1/2/2019	NE	46.34	NA	NA	NA	399.84		0.0	*
2Q19		4/1/2019	NE	46.06	NA	NA	NA	400.12	371.77 - 369.77 (74.41 - 76.41)	1.9	*
3Q19	446.33	7/1/2019	NE	44.53	NA	NA	NA	401.80	371.92 - 369.92 (74.41 - 76.41)	0.3	*
4Q19		10/2/2019	NE	42.46	NA	NA	NA	403.87		0.0	*
1Q20		1/2/2020	NE	42.09	NA	NA	NA	404.24		0.0	*
2Q20		4/2/2020	NE	41.54	NA	NA	NA	404.79		0.9	*
3Q20		7/7/2020	NE	40.15	NA	NA	NA	406.18		0.0	*
4Q20		10/6/2020	NE	39.63	NA	NA	NA	406.70		0.3	*
1Q21		1/5/2021	NE	40.85	NA	NA	NA	405.48		0.0	*
P 92C											
2Q18	446.17	4/4/2018	NE	44.76	NA	NA	NA	401.41	353.21 - 348.21 (92.96 - 97.96)	0.0	*
3Q18		7/3/2018	NE	45.60	NA	NA	NA	400.57		0.3	*
4Q18		10/2/2018	NE	45.97	NA	NA	NA	400.20		2.5	*
1Q19		1/2/2019	NE	46.34	NA	NA	NA	399.83		83.1	*
2Q19		4/1/2019	NE	46.03	NA	NA	NA	400.14		22.6	*
3Q19	446.34	7/1/2019	NE	44.51	NA	NA	NA	401.83	353.38 - 348.38 (92.96 - 97.96)	4.0	*
4Q19		10/2/2019	NE	42.45	NA	NA	NA	403.89		0.0	*
1Q20		1/2/2020	NE	42.10	NA	NA	NA	404.24		0.1	*
2Q20		4/2/2020	NE	41.53	NA	NA	NA	404.81		12.8	*
3Q20		7/7/2020	NE	40.15	NA	NA	NA	406.19		2.8	*
4Q20		10/6/2020	NE	39.60	NA	NA	NA	406.74		1.3	*
1Q21		1/5/2021	NE	40.83	NA	NA	NA	405.51		1.6	*
P 92D											
2Q18	446.00	4/4/2018	NE	44.61	NA	NA	NA	401.39	305.00 - 303.00 (141.00 - 143.00)	0.0	*
3Q18		7/3/2018	NE	45.50	NA	NA	NA	400.50		0.0	*
4Q18		10/2/2018	NE	45.88	NA	NA	NA	400.12		0.1	*
1Q19		1/2/2019	NE	46.24	NA	NA	NA	399.76		0.0	*
2Q19		4/1/2019	NE	45.94	NA	NA	NA	400.06		0.2	*
3Q19	446.15	7/1/2019	NE	44.45	NA	NA	NA	401.70	305.15 - 303.15 (141.00 - 143.00)	0.0	*
4Q19		10/2/2019	NE	42.35	NA	NA	NA	403.80		0.0	*
1Q20		1/2/2020	NE	41.98	NA	NA	NA	404.17		0.0	*
2Q20		4/2/2020	NE	41.43	NA	NA	NA	404.72		2.7	*
3Q20		7/7/2020	NE	40.03	NA	NA	NA	406.12		0.1	*
4Q20		10/6/2020	NE	39.46	NA	NA	NA	406.69		0.0	*
1Q21		1/5/2021	NE	40.70	NA	NA	NA	405.45		0.0	*
P 93A											
2Q18	445.12	4/2/2018	NE	43.58	NA	NA	NA	401.54	402.05 - 392.05 (43.07 - 53.07)	21.1	
3Q18		7/2/2018	NE	44.03	NA	NA	NA	401.09		0.0	
4Q18		10/2/2018	NE	43.98	NA	NA	NA	401.14		0.0	
1Q19		1/2/2019	NE	43.83	NA	NA	NA	401.29		0.0	
2Q19		4/1/2019	NE	43.61	NA	NA	NA	401.51		0.3	
3Q19	445.37	7/1/2019	NE	39.40	NA	NA	NA	405.97	402.30 - 392.30 (43.07 - 53.07)	0.0	*
4Q19		10/1/2019	NE	38.34	NA	NA	NA	407.03		1.7	*
1Q20		1/2/2020	NE	39.77	NA	NA	NA	405.60		3.4	*
2Q20		4/1/2020	NE	39.60	NA	NA	NA	405.77		7.3	*
3Q20		7/6/2020	NE	38.41	NA	NA	NA	406.96		2.2	*
4Q20		10/5/2020	NE	38.80	NA	NA	NA	406.57		36.4	*
1Q21		1/4/2021	NE	39.93	NA	NA	NA	405.44		0.6	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
P 93B											
2Q18	446.52	4/2/2018	NE	44.94	NA	NA	NA	401.58	371.64 - 369.64 (74.88 - 76.88)	0.0	*
3Q18		7/2/2018	NE	45.60	NA	NA	NA	400.92		0.5	*
4Q18		10/2/2018	NE	45.36	NA	NA	NA	401.16		0.0	*
1Q19		1/2/2019	NE	45.19	NA	NA	NA	401.33		12.5	*
2Q19		4/1/2019	NE	44.99	NA	NA	NA	401.53	371.74 - 369.74 (74.78 - 76.78)	0.0	*
3Q19	446.70	7/1/2019	NE	40.31	NA	NA	NA	406.39	371.92 - 369.92 (74.78 - 76.78)	0.1	*
4Q19		10/1/2019	NE	39.67	NA	NA	NA	407.03		0.1	*
1Q20		1/2/2020	NE	41.12	NA	NA	NA	405.58		0.0	*
2Q20		4/1/2020	NE	40.97	NA	NA	NA	405.73		0.0	*
3Q20		7/6/2020	NE	39.74	NA	NA	NA	406.96		0.2	*
4Q20		10/5/2020	NE	40.21	NA	NA	NA	406.49		3.1	*
1Q21		1/4/2021	NE	41.28	NA	NA	NA	405.42		0.0	*
P 93C											
2Q18	446.28	4/2/2018	NE	44.78	NA	NA	NA	401.50	353.40 - 348.40 (92.88 - 97.88)	0.0	*
3Q18		7/2/2018	NE	45.28	NA	NA	NA	401.00		0.0	*
4Q18		10/2/2018	NE	45.19	NA	NA	NA	401.09		0.0	*
1Q19		1/2/2019	NE	45.02	NA	NA	NA	401.26		0.0	*
2Q19		4/1/2019	NE	44.81	NA	NA	NA	401.47		0.0	*
3Q19	446.55	7/1/2019	NE	40.59	NA	NA	NA	405.96	353.67 - 348.67 (92.88 - 97.88)	0.0	*
4Q19		10/1/2019	NE	39.51	NA	NA	NA	407.04		0.0	*
1Q20		1/2/2020	NE	40.96	NA	NA	NA	405.59		0.0	*
2Q20		4/1/2020	NE	40.80	NA	NA	NA	405.75		0.0	*
3Q20		7/6/2020	NE	39.60	NA	NA	NA	406.95		0.3	*
4Q20		10/5/2020	NE	40.05	NA	NA	NA	406.50		0.1	*
1Q21		1/4/2021	NE	41.11	NA	NA	NA	405.44		0.0	*
P 93D											
2Q18	446.73	4/2/2018	NE	45.12	NA	NA	NA	401.61	320.98 - 318.98 (125.75 - 127.75)	0.0	*
3Q18		7/2/2018	NE	45.67	NA	NA	NA	401.06		0.0	*
4Q18		10/2/2018	NE	45.57	NA	NA	NA	401.16		0.0	*
1Q19		1/2/2019	NE	45.36	NA	NA	NA	401.37		0.0	*
2Q19		4/1/2019	NE	45.18	NA	NA	NA	401.55		0.0	*
3Q19	446.97	7/1/2019	NE	40.97	NA	NA	NA	406.00	321.22 - 319.22 (125.75 - 127.75)	0.0	*
4Q19		10/1/2019	NE	39.87	NA	NA	NA	407.10		0.0	*
1Q20		1/2/2020	NE	41.32	NA	NA	NA	405.65		0.0	*
2Q20		4/1/2020	NE	41.15	NA	NA	NA	405.82	321.31 - 319.31 (125.66 - 127.66)	0.0	*
3Q20		7/6/2020	NE	39.99	NA	NA	NA	406.98		0.2	*
4Q20		10/5/2020	NE	40.45	NA	NA	NA	406.52		0.6	*
1Q21		1/4/2021	NE	41.47	NA	NA	NA	405.50		0.0	*
P 94											
2Q18	445.14	4/2/2018	NE	37.09	NA	NA	NA	408.05	398.90 - 383.90 (46.24 - 61.24)	0.0	*
3Q18		7/2/2018	NE	37.80	NA	NA	NA	407.34		0.0	*
4Q18		10/1/2018	NE	38.36	NA	NA	NA	406.78		0.0	*
1Q19		1/2/2019	NE	39.49	NA	NA	NA	405.65		0.0	*
2Q19		4/2/2019	NE	39.18	NA	NA	NA	405.96		0.0	*
3Q19	445.04	7/1/2019	NE	37.01	NA	NA	NA	408.03	398.80 - 383.80 (46.24 - 61.24)	0.0	*
4Q19		10/2/2019	NE	36.86	NA	NA	NA	408.18		0.0	*
1Q20		1/2/2020	NE	36.10	NA	NA	NA	408.94		0.0	*
2Q20		4/2/2020	NE	34.53	NA	NA	NA	410.51		0.0	*
3Q20		7/7/2020	NE	32.99	NA	NA	NA	412.05		0.3	*
4Q20		10/6/2020	NE	32.28	NA	NA	NA	412.76		0.0	*
1Q21		1/4/2021	NE	33.52	NA	NA	NA	411.52		0.0	*
P 95											
2Q18	443.42	4/4/2018	NE	32.02	NA	NA	NA	411.40	406.90 - 391.90 (36.52 - 51.52)	0.0	*
3Q18		7/2/2018	NE	31.87	NA	NA	NA	411.55		0.0	*
4Q18		10/3/2018	NE	32.03	NA	NA	NA	411.39		0.1	*
1Q19		1/4/2019	NE	32.63	NA	NA	NA	410.79		0.0	*
2Q19		4/2/2019	NE	32.49	NA	NA	NA	410.93		0.0	*
3Q19	443.95	7/2/2019	NE	30.02	NA	NA	NA	413.93	407.43 - 392.43 (36.52 - 51.52)	0.0	*
4Q19		10/2/2019	NE	28.89	NA	NA	NA	415.06		0.0	*
1Q20		1/3/2020	NE	29.17	NA	NA	NA	414.78		0.0	*
2Q20		4/3/2020	NE	28.24	NA	NA	NA	415.71		0.0	*
3Q20		7/7/2020	NE	27.21	NA	NA	NA	416.74		0.0	*
4Q20		10/7/2020	NE	27.09	NA	NA	NA	416.86		0.0	*
1Q21		1/5/2021	NE	28.31	NA	NA	NA	415.64		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
P 102											
2Q18	444.97	4/4/2018	NE	35.06	NA	NA	NA	409.91	402.22 - 382.22 (42.75 - 62.75)	0.2	*
3Q18		7/2/2018	NE	35.09	NA	NA	NA	409.88		0.0	*
4Q18		10/3/2018	NE	35.32	NA	NA	NA	409.65		6.3	*
1Q19		1/4/2019	NE	36.10	NA	NA	NA	408.87		0.2	*
2Q19		4/2/2019	NE	36.06	NA	NA	NA	408.91		0.0	*
3Q19	445.14	7/2/2019	NE	34.23	NA	NA	NA	410.91	402.39 - 382.39 (42.75 - 62.75)	0.5	*
4Q19		10/2/2019	NE	32.95	NA	NA	NA	412.19		0.1	*
1Q20		1/3/2020	NE	32.88	NA	NA	NA	412.26		0.5	*
2Q20		4/3/2020	NE	31.82	NA	NA	NA	413.32		0.5	*
3Q20		7/7/2020	NE	30.62	NA	NA	NA	414.52		0.0	*
4Q20		10/7/2020	NE	30.15	NA	NA	NA	414.99		22.6	*
1Q21		1/5/2021	NE	31.26	NA	NA	NA	413.88		9.7	*
P 114R											
2Q18	429.26	4/9/2018	NE	26.76	NA	NA	NA	402.50	406.25 - 396.25 (23.01 - 33.01)	0.1	
3Q18		7/2/2018	NE	26.50	NA	NA	NA	402.76		0.0	
4Q18		10/2/2018	NE	26.26	NA	NA	NA	403.00		0.0	
1Q19		1/3/2019	NE	26.02	NA	NA	NA	403.24		38.7	
2Q19		4/2/2019	NE	25.47	NA	NA	NA	403.79		132	
3Q19	429.48	7/1/2019	NE	19.67	NA	NA	NA	409.81	406.47 - 396.47 (23.01 - 33.01)	1.5	*
4Q19		10/2/2019	NE	20.49	NA	NA	NA	408.99		0.0	*
1Q20		1/2/2020	NE	21.85	NA	NA	NA	407.63		0.0	*
2Q20		4/3/2020	NE	21.72	NA	NA	NA	407.76		0.0	*
3Q20		7/7/2020	NE	20.49	NA	NA	NA	408.99		0.1	*
4Q20		10/6/2020	NE	22.11	NA	NA	NA	407.37		0.0	*
1Q21		1/5/2021	NE	23.72	NA	NA	NA	405.76		0.2	
P 115											
2Q18	433.36	4/4/2018	NE	31.03	NA	NA	NA	402.33	401.06 - 381.06 (32.30 - 52.30)	0.0	*
3Q18		7/2/2018	NE	30.38	NA	NA	NA	402.98		0.0	*
4Q18		10/2/2018	NE	30.07	NA	NA	NA	403.29		0.0	*
1Q19		1/3/2019	NE	29.83	NA	NA	NA	403.53		0.0	*
2Q19		4/2/2019	NE	29.08	NA	NA	NA	404.28		0.0	*
3Q19	433.54	7/1/2019	NE	23.18	NA	NA	NA	410.36	401.24 - 381.24 (32.30 - 52.30)	0.0	*
4Q19		10/2/2019	NE	24.34	NA	NA	NA	409.20		0.0	*
1Q20		1/3/2020	NE	22.02	NA	NA	NA	411.52		0.0	* Gauging resu ts anomalous
2Q20		4/3/2020	NE	25.46	NA	NA	NA	408.08		0.0	*
3Q20		7/7/2020	NE	24.28	NA	NA	NA	409.26		0.1	*
4Q20		10/6/2020	NE	26.13	NA	NA	NA	407.41		0.0	*
1Q21		1/5/2021	NE	27.77	NA	NA	NA	405.77		0.0	*
P 116											
2Q18	436.63	4/4/2018	NE	34.47	NA	NA	NA	402.16	399.19 - 379.19 (37.44 - 57.44)	0.0	*
3Q18		7/2/2018	NE	33.74	NA	NA	NA	402.89		0.0	*
4Q18		10/2/2018	NE	33.38	NA	NA	NA	403.25		0.0	*
1Q19		1/3/2019	NE	33.18	NA	NA	NA	403.45		0.1	*
2Q19		4/3/2019	NE	32.53	NA	NA	NA	404.10		0.0	*
3Q19	436.79	7/1/2019	NE	26.27	NA	NA	NA	410.52	399.35 - 379.35 (37.44 - 57.44)	0.0	*
4Q19		10/2/2019	NE	27.66	NA	NA	NA	409.13		0.0	*
1Q20		1/2/2020	NE	29.10	NA	NA	NA	407.69		0.1	*
2Q20		4/3/2020	NE	28.80	NA	NA	NA	407.99		0.0	*
3Q20		7/7/2020	NE	27.61	NA	NA	NA	409.18		0.0	*
4Q20		10/6/2020	NE	29.81	NA	NA	NA	406.98		0.0	*
1Q21		1/5/2021	NE	31.29	NA	NA	NA	405.50		0.0	*
P 117											
2Q18	432.71	4/4/2018	NE	30.68	NA	NA	NA	402.03	399.78 - 379.78 (32.93 - 52.93)	0.0	*
3Q18		7/2/2018	NE	29.92	NA	NA	NA	402.79		0.0	*
4Q18		10/2/2018	NE	29.56	NA	NA	NA	403.15		0.0	*
1Q19		1/3/2019	NE	29.37	NA	NA	NA	403.34		0.4	*
2Q19		4/2/2019	NE	28.45	NA	NA	NA	404.26		0.0	*
3Q19	432.87	7/1/2019	NE	22.26	NA	NA	NA	410.61	399.94 - 379.94 (32.93 - 52.93)	0.0	*
4Q19		10/2/2019	NE	23.79	NA	NA	NA	409.08		0.0	*
1Q20		1/2/2020	NE	25.26	NA	NA	NA	407.61		0.0	*
2Q20		4/3/2020	NE	24.98	NA	NA	NA	407.89		0.0	*
3Q20		7/7/2020	NE	23.75	NA	NA	NA	409.12		0.0	*
4Q20		10/6/2020	NE	25.82	NA	NA	NA	407.05		0.0	*
1Q21		1/5/2021	NE	27.55	NA	NA	NA	405.32		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
P 118											
2Q18	431.31	4/4/2018	NE	29.57	NA	NA	NA	401.74	400.19 - 384.26 (31.12 - 47.05)	0.0	*
3Q18		7/2/2018	NE	28.63	NA	NA	NA	402.68		0.0	*
4Q18		10/3/2018	NE	28.11	NA	NA	NA	403.20		0.0	*
1Q19		1/3/2019	NE	28.03	NA	NA	NA	403.28		0.3	*
2Q19		4/3/2019	NE	26.92	NA	NA	NA	404.39		0.0	*
3Q19	431.48	7/1/2019	NE	20.11	NA	NA	NA	411.37	400.36 - 384.43 (31.12 - 47.05)	0.0	*
4Q19		10/2/2019	NE	22.37	NA	NA	NA	409.11		0.0	*
1Q20		1/2/2020	NE	23.99	NA	NA	NA	407.49		0.0	*
2Q20		4/3/2020	NE	23.53	NA	NA	NA	407.95		0.0	*
3Q20		7/7/2020	NE	22.37	NA	NA	NA	409.11		0.0	*
4Q20		10/6/2020	NE	24.89	NA	NA	NA	406.59		0.0	*
1Q21		1/5/2021	NE	26.69	NA	NA	NA	404.79		0.0	*
P 119											
2Q18	431.90	4/4/2018	NE	29.24	NA	NA	NA	402.66	401.23 - 385.30 (30.67 - 46.60)	0.0	*
3Q18		7/2/2018	NE	29.03	NA	NA	NA	402.87		0.0	*
4Q18		10/2/2018	NE	28.88	NA	NA	NA	403.02		0.0	*
1Q19		1/3/2019	NE	28.62	NA	NA	NA	403.28		0.5	*
2Q19		4/3/2019	NE	28.33	NA	NA	NA	403.57		0.0	*
3Q19	432.11	7/1/2019	NE	23.32	NA	NA	NA	408.79	401.44 - 385.51 (30.67 - 46.60)	0.0	*
4Q19		10/2/2019	NE	23.37	NA	NA	NA	408.74		0.0	*
1Q20		1/3/2020	NE	24.75	NA	NA	NA	407.36		0.0	*
2Q20		4/3/2020	NE	24.34	NA	NA	NA	407.77		0.0	*
3Q20		7/7/2020	NE	23.24	NA	NA	NA	408.87		0.0	*
4Q20		10/6/2020	NE	24.36	NA	NA	NA	407.75		0.0	*
1Q21		1/5/2021	NE	25.78	NA	NA	NA	406.33		0.0	*
P 120											
2Q18	432.82	4/4/2018	NE	29.48	NA	NA	NA	403.34	401.44 - 385.51 (31.38 - 47.31)	0.0	*
3Q18		7/2/2018	NE	29.04	NA	NA	NA	403.78		0.0	*
4Q18		10/2/2018	NE	28.90	NA	NA	NA	403.92		0.0	*
1Q19		1/3/2019	NE	28.65	NA	NA	NA	404.17		0.3	*
2Q19		4/2/2019	NE	27.96	NA	NA	NA	404.86		0.0	*
3Q19	433.00	7/1/2019	NE	22.74	NA	NA	NA	410.26	401.62 - 385.69 (31.38 - 47.31)	0.0	*
4Q19		10/2/2019	NE	23.40	NA	NA	NA	409.60		0.0	*
1Q20		1/3/2020	NE	24.93	NA	NA	NA	408.07		0.0	*
2Q20		4/3/2020	NE	24.21	NA	NA	NA	408.79		0.0	*
3Q20		7/7/2020	NE	23.15	NA	NA	NA	409.85		0.0	*
4Q20		10/6/2020	NE	24.75	NA	NA	NA	408.25		0.0	*
1Q21		1/5/2021	NE	26.23	NA	NA	NA	406.77		0.0	*
P 129											
2Q18	432.43	4/4/2018	NE	31.58	NA	NA	NA	400.85	400.46 - 384.53 (31.97 - 47.90)	0.0	*
3Q18		7/3/2018	NE	29.91	NA	NA	NA	402.52		0.0	*
4Q18		10/2/2018	NE	29.62	NA	NA	NA	402.81		0.0	*
1Q19		1/3/2019	NE	29.58	NA	NA	NA	402.85		0.1	*
2Q19		4/2/2019	NE	26.90	NA	NA	NA	405.53		0.0	*
3Q19	432.66	7/8/2019	NE	19.55	NA	NA	NA	413.11	400.69 - 384.76 (31.97 - 47.90)	0.0	*
4Q19		10/2/2019	NE	23.75	NA	NA	NA	408.91		0.0	*
1Q20		1/2/2020	NE	25.92	NA	NA	NA	406.74		0.0	*
2Q20		4/3/2020	NE	24.80	NA	NA	NA	407.86		0.0	*
3Q20		7/7/2020	NE	23.89	NA	NA	NA	408.77		0.0	*
4Q20		10/6/2020	NE	27.53	NA	NA	NA	405.13		0.0	*
1Q21		1/5/2021	NE	29.47	NA	NA	NA	403.19		0.0	*
ROST 3 MW											
2Q18	442.29	4/2/2018	NE	39.89	NA	NA	NA	402.40	404.48 - 394.48 (37.81 - 47.81)	1.3	
3Q18		7/2/2018	NE	40.72	NA	NA	NA	401.57		0.0	
4Q18		10/1/2018	NE	40.78	NA	NA	NA	401.51		0.0	
1Q19		1/3/2019	NE	40.61	NA	NA	NA	401.68		0.0	
2Q19		4/1/2019	NE	40.68	NA	NA	NA	401.61		0.0	
3Q19	442.52	7/1/2019	NE	36.84	NA	NA	NA	405.68	404.71 - 394.71 (37.81 - 47.81)	134	*
4Q19		10/1/2019	NE	35.46	NA	NA	NA	407.06		50.1	*
1Q20		1/2/2020	NE	36.41	NA	NA	NA	406.11		227	*
2Q20		4/1/2020	NE	36.16	NA	NA	NA	406.36		1.1	*
3Q20		7/6/2020	NE	35.03	NA	NA	NA	407.49		14.9	*
4Q20		10/5/2020	NE	35.15	NA	NA	NA	407.37		0.5	*
1Q21		1/4/2021	NE	36.29	NA	NA	NA	406.23		0.2	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
ROST 4 PZ											
2Q18	442.13	4/2/2018	NE	39.15	NA	NA	NA	402.98	407.20 - 397.20 (34.93 - 44.93)	0.0	
3Q18		7/2/2018	NE	39.77	NA	NA	NA	402.36		0.0	
4Q18		10/1/2018	NE	39.81	NA	NA	NA	402.32		0.0	
1Q19		1/2/2019	NE	39.72	NA	NA	NA	402.41		0.0	
2Q19		4/1/2019	NE	40.00	NA	NA	NA	402.13		0.0	
3Q19	442.15	7/1/2019	NE	37.35	NA	NA	NA	404.80	407.22 - 397.22 (34.93 - 44.93)	0.0	
4Q19		10/1/2019	NE	35.10	NA	NA	NA	407.05		31.4	
1Q20		1/2/2020	NE	35.93	NA	NA	NA	406.22		11.2	
2Q20		4/1/2020	NE	35.92	NA	NA	NA	406.23		0.1	
3Q20		7/6/2020	NE	34.79	NA	NA	NA	407.36		115	*
4Q20		10/5/2020	NE	34.49	NA	NA	NA	407.66		83.9	*
1Q21		1/4/2021	NE	35.47	NA	NA	NA	406.68		201	
ROST 4 PZ(A)											
2Q18	442.11	4/2/2018	NE	38.53	NA	NA	NA	403.58	407.34 - 397.34 (34.77 - 44.77)	0.0	
3Q18		7/2/2018	NE	39.59	NA	NA	NA	402.52		0.0	
4Q18		10/2/2018	NE	39.67	NA	NA	NA	402.44		0.0	
1Q19		1/2/2019	NE	39.53	NA	NA	NA	402.58		0.0	
2Q19		4/1/2019	NE	40.05	NA	NA	NA	402.06		0.0	
3Q19	442.15	7/1/2019	NE	36.34	NA	NA	NA	405.81	407.38 - 397.38 (34.77 - 44.77)	0.0	
4Q19		10/1/2019	NE	34.38	NA	NA	NA	407.77		6.0	*
1Q20		1/2/2020	NE	35.20	NA	NA	NA	406.95		0.0	
2Q20		4/1/2020	NE	35.24	NA	NA	NA	406.91		0.0	
3Q20		7/6/2020	NE	34.10	NA	NA	NA	408.05		0.0	*
4Q20		10/5/2020	NE	33.66	NA	NA	NA	408.49		0.2	*
1Q21		1/4/2021	NE	34.76	NA	NA	NA	407.39		11.1	*
ROST 4 PZ(B)											
2Q18	442.38	4/2/2018	NE	39.30	NA	NA	NA	403.08	407.33 - 397.33 (35.05 - 45.05)	0.0	
3Q18		7/2/2018	NE	40.02	NA	NA	NA	402.36		0.0	
4Q18		10/1/2018	NE	39.82	NA	NA	NA	402.56		0.0	
1Q19		1/2/2019	NE	39.86	NA	NA	NA	402.52		0.0	
2Q19		4/1/2019	NE	40.18	NA	NA	NA	402.20		0.0	
3Q19	442.40	7/1/2019	NE	37.26	NA	NA	NA	405.14	407.35 - 397.35 (35.05 - 45.05)	0.0	
4Q19		10/1/2019	NE	35.09	NA	NA	NA	407.31		0.0	
1Q20		1/2/2020	NE	35.91	NA	NA	NA	406.49		0.0	
2Q20		4/1/2020	NE	35.94	NA	NA	NA	406.46		0.0	
3Q20		7/6/2020	NE	34.78	NA	NA	NA	407.62		0.0	*
4Q20		10/5/2020	NE	34.39	NA	NA	NA	408.01		0.0	*
1Q21		1/4/2021	NE	35.44	NA	NA	NA	406.96		0.3	
ROST 4 PZ(C)											
2Q18	442.66	4/2/2018	NE	39.98	NA	NA	NA	402.68	407.71 - 397.71 (34.95 - 44.95)	0.0	
3Q18		7/2/2018	NE	40.88	NA	NA	NA	401.78		0.0	
4Q18		10/1/2018	NE	40.93	NA	NA	NA	401.73		0.0	
1Q19		1/3/2019	NE	40.78	NA	NA	NA	401.88		0.0	
2Q19		4/1/2019	NE	41.04	NA	NA	NA	401.62		0.0	
3Q19	442.97	7/1/2019	NE	38.14	NA	NA	NA	404.83	408.02 - 398.02 (34.95 - 44.95)	0.0	
4Q19		10/1/2019	NE	35.92	NA	NA	NA	407.05		0.0	
1Q20		1/2/2020	NE	36.77	NA	NA	NA	406.20		0.1	
2Q20		4/1/2020	NE	36.75	NA	NA	NA	406.22		0.0	
3Q20		7/6/2020	NE	35.55	NA	NA	NA	407.42		0.0	
4Q20		10/5/2020	NE	35.37	NA	NA	NA	407.60		120	
1Q21		1/4/2021	NE	36.24	NA	NA	NA	406.73		0.0	
ROST 4 PZ(D)											
2Q18	442.98	4/2/2018	NE	39.82	NA	NA	NA	403.16	408.01 - 398.01 (34.97 - 44.97)	0.0	
3Q18		7/2/2018	NE	40.77	NA	NA	NA	402.21		0.0	
4Q18		10/1/2018	NE	40.23	NA	NA	NA	402.75		0.0	
1Q19		1/3/2019	NE	40.65	NA	NA	NA	402.33		0.0	
2Q19		4/1/2019	NE	40.88	NA	NA	NA	402.10		0.0	
3Q19	442.92	7/1/2019	NE	37.98	NA	NA	NA	404.94	407.95 - 397.95 (34.97 - 44.97)	0.0	
4Q19		10/1/2019	NE	35.80	NA	NA	NA	407.12		2.0	
1Q20		1/2/2020	NE	36.66	NA	NA	NA	406.26		3.8	
2Q20		4/1/2020	NE	36.61	NA	NA	NA	406.31		0.1	
3Q20		7/6/2020	NE	35.51	NA	NA	NA	407.41		29.5	
4Q20		10/5/2020	NE	35.20	NA	NA	NA	407.72		77.3	
1Q21		1/4/2021	NE	36.27	NA	NA	NA	406.65		75.2	

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
ROST 4 PZ(E)											
2Q18	441.96	4/3/2018	NE	38.78	NA	NA	NA	403.18	407.21 - 397.21 (34.75 - 44.75)	0.0	
3Q18		7/2/2018	NE	39.54	NA	NA	NA	402.42		0.0	
4Q18		10/1/2018	NE	39.59	NA	NA	NA	402.37		0.0	
1Q19		1/2/2019	NE	39.48	NA	NA	NA	402.48		0.0	
2Q19		4/1/2019	NE	39.72	NA	NA	NA	402.24		0.0	
3Q19	441.98	7/1/2019	NE	37.18	NA	NA	NA	404.80	407.23 - 397.23 (34.75 - 44.75)	0.0	
4Q19		10/1/2019	NE	35.09	NA	NA	NA	406.89		35.5	
1Q20		1/2/2020	NE	35.88	NA	NA	NA	406.10		0.0	
2Q20		4/1/2020	NE	35.89	NA	NA	NA	406.09		0.0	
3Q20		7/6/2020	NE	34.78	NA	NA	NA	407.20		79.9	
4Q20		10/5/2020	NE	34.50	NA	NA	NA	407.48		87.1	*
1Q21		1/4/2021	NE	35.49	NA	NA	NA	406.49		189.1	
		1/15/2021	35.55	35.56	406.42	406.43	0.01	406.43		11.1	
ROST 4 PZ(F)											
2Q18	442.12	4/3/2018	NE	38.97	NA	NA	NA	403.15	407.59 - 397.59 (34.53 - 44.53)	0.0	
3Q18		7/2/2018	NE	39.57	NA	NA	NA	402.55		0.0	
4Q18		10/1/2018	NE	39.59	NA	NA	NA	402.53		0.0	
1Q19		1/2/2019	NE	39.51	NA	NA	NA	402.61		0.0	
2Q19		4/1/2019	NE	39.75	NA	NA	NA	402.37		0.0	
3Q19		7/1/2019	NE	37.32	NA	NA	NA	404.80		0.0	
4Q19		10/1/2019	NE	35.29	NA	NA	NA	406.83		0.0	
1Q20		1/2/2020	NE	36.22	NA	NA	NA	405.90		4.7	
2Q20		4/1/2020	NE	36.12	NA	NA	NA	406.00		0.0	
3Q20		7/6/2020	NE	35.02	NA	NA	NA	407.10		1.3	
4Q20		10/5/2020	NE	34.71	NA	NA	NA	407.41		79.3	
1Q21		1/4/2021	NE	35.76	NA	NA	NA	406.36		23.3	
ROST 4 PZ(G)											
2Q18	442.13	4/2/2018	NE	39.84	NA	NA	NA	402.29	407.85 - 397.85 (34.28 - 44.28)	0.2	
3Q18		7/2/2018	NE	40.87	NA	NA	NA	401.26		0.0	
4Q18		10/1/2018	NE	40.94	NA	NA	NA	401.19		0.0	
1Q19		1/3/2019	NE	40.74	NA	NA	NA	401.39		0.0	
2Q19		4/1/2019	NE	40.78	NA	NA	NA	401.35		0.0	
3Q19	442.20	7/1/2019	NE	37.00	NA	NA	NA	405.20	407.92 - 397.92 (34.28 - 44.28)	0.0	
4Q19		10/1/2019	NE	35.57	NA	NA	NA	406.63		0.0	
1Q20		1/2/2020	NE	36.67	NA	NA	NA	405.53		87.2	
2Q20		4/1/2020	NE	36.07	NA	NA	NA	406.13		9.0	
3Q20		7/6/2020	NE	35.16	NA	NA	NA	407.04		27.0	
4Q20		10/5/2020	NE	35.25	NA	NA	NA	406.95		71.9	
1Q21		1/4/2021	NE	36.28	NA	NA	NA	405.92		0.6	
S 1											
2Q18	443.90	4/4/2018	42.44	42.50	401.40	401.46	0.06	401.45	Unknown	191	
3Q18		7/3/2018	42.88	42.95	400.95	401.02	0.07	401.01		168	
4Q18		10/2/2018	42.90	43.02	400.88	401.00	0.12	400.98		176	
1Q19		1/3/2019	43.05	43.08	400.82	400.85	0.03	400.84		212	
2Q19		4/1/2019	42.84	42.85	401.05	401.06	0.01	401.06		572	
3Q19	444.06	7/1/2019	40.03	40.05	404.01	404.03	0.02	404.03		184	
4Q19		10/1/2019	38.32	38.33	405.73	405.74	0.01	405.74		187	
1Q20		1/2/2020	38.96	38.98	405.08	405.10	0.02	405.10		129	
2Q20		4/2/2020	38.57	38.58	405.48	405.49	0.01	405.49		160	
3Q20		7/7/2020	37.42	37.43	406.63	406.64	0.01	406.64		113	
4Q20		10/6/2020	37.26	37.28	406.78	406.80	0.02	406.80		175	
1Q21		1/5/2021	38.50	38.51	405.55	405.56	0.01	405.56		62	
T 1											
2Q18	445.40	4/2/2018	NE	42.22	NA	NA	NA	403.18	398.40 - 388.40 (47.00 - 57.00)	0.0	*
3Q18		7/2/2018	NE	43.16	NA	NA	NA	402.24		0.0	*
4Q18		10/2/2018	NE	43.33	NA	NA	NA	402.07		0.0	*
1Q19		1/2/2019	NE	43.33	NA	NA	NA	402.07		0.0	*
2Q19		4/1/2019	NE	43.44	NA	NA	NA	401.96		0.0	*
3Q19	445.61	7/1/2019	NE	40.38	NA	NA	NA	405.23	398.61 - 388.61 (47.00 - 57.00)	0.0	*
4Q19		10/1/2019	NE	38.74	NA	NA	NA	406.87		0.0	*
1Q20		1/2/2020	NE	39.17	NA	NA	NA	406.44		0.0	*
2Q20		4/1/2020	NE	38.90	NA	NA	NA	406.71		0.0	*
3Q20		7/6/2020	NE	37.62	NA	NA	NA	407.99		0.0	*
4Q20		10/5/2020	NE	37.56	NA	NA	NA	408.05		0.5	*
1Q21		1/4/2021	NE	38.68	NA	NA	NA	406.93		0.0	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
T 2											
2Q18	443.21	4/2/2018	NE	40.07	NA	NA	NA	403.14	392.72 - 372.56 (50.49 - 70.64)	0.0	*
3Q18		7/2/2018	NE	41.40	NA	NA	NA	401.81		0.0	*
4Q18		10/1/2018	NE	41.69	NA	NA	NA	401.52		0.0	*
1Q19		1/3/2019	NE	41.83	NA	NA	NA	401.38		0.0	*
2Q19		4/2/2019	NE	41.72	NA	NA	NA	401.49		0.0	*
3Q19	443.40	7/1/2019	NE	39.59	NA	NA	NA	403.81	392.90 - 372.76 (50.49 - 70.64)	0.0	*
4Q19		10/1/2019	NE	37.72	NA	NA	NA	405.68		0.0	*
1Q20		1/2/2020	NE	37.83	NA	NA	NA	405.57		0.0	*
2Q20		4/1/2020	NE	37.30	NA	NA	NA	406.10		0.0	*
3Q20		7/6/2020	NE	35.92	NA	NA	NA	407.48		0.0	*
4Q20		10/6/2020	NE	35.55	NA	NA	NA	407.85		0.0	*
1Q21		1/4/2021	NE	36.60	NA	NA	NA	406.80		0.0	*
T 3											
2Q18	449.03	4/4/2018	NE	46.94	NA	NA	NA	402.09	403.81 - 388.81 (45.22 - 60.22)	0.1	
3Q18		7/2/2018	NE	48.85	NA	NA	NA	400.18		0.0	
4Q18		10/1/2018	NE	49.26	NA	NA	NA	399.77		0.0	
1Q19		1/2/2019	NE	49.53	NA	NA	NA	399.50		4.9	
2Q19		4/2/2019	NE	49.24	NA	NA	NA	399.79		0.0	
3Q19	449.21	7/1/2019	NE	48.00	NA	NA	NA	401.21	403.99 - 388.99 (45.22 - 60.22)	0.0	
4Q19		10/1/2019	NE	45.99	NA	NA	NA	403.22		0.0	
1Q20		1/2/2020	NE	45.34	NA	NA	NA	403.87		0.0	
2Q20		4/1/2020	NE	44.65	NA	NA	NA	404.56		0.0	*
3Q20		7/6/2020	NE	43.06	NA	NA	NA	406.15		0.2	*
4Q20		10/6/2020	NE	42.48	NA	NA	NA	406.73		0.2	*
1Q21		1/4/2021	NE	43.37	NA	NA	NA	405.84		1.2	*
T 4											
2Q18	446.63	4/4/2018	NE	45.12	NA	NA	NA	401.51	398.32 - 383.32 (48.31 - 63.31)	0.0	*
3Q18		7/3/2018	NE	46.96	NA	NA	NA	399.67		0.0	*
4Q18		10/2/2018	NE	47.04	NA	NA	NA	399.59		0.1	*
1Q19		1/2/2019	NE	47.65	NA	NA	NA	398.98		0.0	*
2Q19		4/2/2019	NE	47.14	NA	NA	NA	399.49	396.61 - 381.61 (50.02 - 65.02)	0.0	*
3Q19	446.82	7/1/2019	NE	46.87	NA	NA	NA	399.95	396.80 - 381.80 (50.02 - 65.02)	0.0	*
4Q19		10/2/2019	NE	44.83	NA	NA	NA	401.99		0.0	*
1Q20		1/2/2020	NE	43.47	NA	NA	NA	403.35		0.0	*
2Q20		4/2/2020	NE	42.06	NA	NA	NA	404.76		0.0	*
3Q20		7/8/2020	NE	40.80	NA	NA	NA	406.02		0.1	*
4Q20		10/6/2020	NE	40.07	NA	NA	NA	406.75		0.1	*
1Q21		1/5/2021	NE	41.49	NA	NA	NA	405.33		0.1	*
T 5											
2Q18	443.47	4/4/2018	NM	NM	NA	NA	NA	NA	395.14 - 378.59 (48.33 - 64.88)	NM	Unsafe condition at well - Unable to access
3Q18		7/3/2018	NE	41.59	NA	NA	NA	401.88		2.2	*
4Q18		10/2/2018	NE	41.87	NA	NA	NA	401.60		5.7	*
1Q19		1/3/2019	NE	42.11	NA	NA	NA	401.36		17.7	*
2Q19		4/1/2019	NE	41.84	NA	NA	NA	401.63		4.2	*
3Q19	443.66	7/1/2019	NE	39.64	NA	NA	NA	404.02	395.33 - 378.78 (48.33 - 64.88)	12.0	*
4Q19		10/1/2019	NE	37.75	NA	NA	NA	405.91		5.8	*
1Q20		1/2/2020	NE	37.99	NA	NA	NA	405.67		7.2	*
2Q20		4/3/2020	NE	37.62	NA	NA	NA	406.04		12.8	*
3Q20		7/7/2020	NE	36.35	NA	NA	NA	407.31		54.0	*
4Q20		10/6/2020	NE	36.04	NA	NA	NA	407.62		28.5	*
1Q21		1/5/2021	NE	37.23	NA	NA	NA	406.43		2.0	*
T 6											
2Q18	446.61	4/3/2018	NE	44.81	NA	NA	NA	401.80	394.85 - 380.60 (51.76 - 66.01)	0.7	*
3Q18		7/2/2018	NE	45.61	NA	NA	NA	401.00		0.1	*
4Q18		10/1/2018	NE	45.58	NA	NA	NA	401.03		0.0	*
1Q19		1/2/2019	NE	45.42	NA	NA	NA	401.19		17.1	*
2Q19		4/1/2019	NE	45.24	NA	NA	NA	401.37	394.10 - 379.85 (52.51 - 66.76)	0.0	*
3Q19	446.78	7/1/2019	NE	41.12	NA	NA	NA	405.66	394.27 - 380.02 (52.51 - 66.76)	1.8	*
4Q19		10/1/2019	NE	39.90	NA	NA	NA	406.88		0.1	*
1Q20		1/2/2020	NE	41.29	NA	NA	NA	405.49		2.5	*
2Q20		4/1/2020	NE	41.10	NA	NA	NA	405.68		3.7	*
3Q20		7/6/2020	NE	39.94	NA	NA	NA	406.84		1.3	*
4Q20		10/5/2020	NE	40.28	NA	NA	NA	406.50		2.4	*
1Q21		1/4/2021	NE	41.41	NA	NA	NA	405.37		31.1	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
T 7											
2Q18	444.04	4/4/2018	NE	41.13	NA	NA	NA	402.91	395.32 - 380.32 (48.72 - 63.72)	3.5	*
3Q18		7/2/2018	NE	41.17	NA	NA	NA	402.87		0.0	*
4Q18		10/3/2018	NE	41.08	NA	NA	NA	402.96		0.0	*
1Q19		1/4/2019	NE	40.97	NA	NA	NA	403.07		5.8	*
2Q19		4/2/2019	NE	40.78	NA	NA	NA	403.26		59.6	*
3Q19	444.26	7/2/2019	NE	37.14	NA	NA	NA	407.12	395.54 - 380.54 (48.72 - 63.72)	0.6	*
4Q19		10/2/2019	NE	36.23	NA	NA	NA	408.03		0.9	*
1Q20		1/3/2020	NE	37.33	NA	NA	NA	406.93		69.9	*
2Q20		4/3/2020	NE	36.90	NA	NA	NA	407.36		0.9	*
3Q20		7/7/2020	NE	35.81	NA	NA	NA	408.45		1.8	*
4Q20		10/7/2020	NE	36.20	NA	NA	NA	408.06		1.1	*
1Q21		1/5/2021	NE	37.39	NA	NA	NA	406.87		1.1	*
T 12											
2Q18	444.80	4/2/2018	NE	43.06	NA	NA	NA	401.74	397.97 - 371.97 (46.83 - 72.83)	3.8	*
3Q18		7/2/2018	NE	44.21	NA	NA	NA	400.59		0.1	*
4Q18		10/1/2018	NE	44.18	NA	NA	NA	400.62		1.2	*
1Q19		1/2/2019	NE	44.03	NA	NA	NA	400.77		315	*
2Q19		4/1/2019	NE	44.11	NA	NA	NA	400.69		15.1	*
3Q19	444.99	7/1/2019	NE	40.35	NA	NA	NA	404.64	398.16 - 372.16 (46.83 - 72.83)	1.1	*
4Q19		10/1/2019	NE	38.66	NA	NA	NA	406.33		0.8	*
1Q20		1/2/2020	NE	40.04	NA	NA	NA	404.95		2.2	*
2Q20		4/1/2020	NE	39.10	NA	NA	NA	405.89		10.0	*
3Q20		7/6/2020	NE	38.43	NA	NA	NA	406.56		2.5	*
4Q20		10/5/2020	NE	38.26	NA	NA	NA	406.73		1.5	*
1Q21		1/4/2021	NE	39.45	NA	NA	NA	405.54		51.2	*
T 13											
2Q18	443.96	4/2/2018	NE	39.93	NA	NA	NA	404.03	400.15 - 374.15 (43.81 - 69.81)	0.0	*
3Q18		7/2/2018	NE	40.85	NA	NA	NA	403.11		0.0	*
4Q18		10/1/2018	NE	41.24	NA	NA	NA	402.72		0.1	*
1Q19		1/2/2019	NE	41.25	NA	NA	NA	402.71		0.0	*
2Q19		4/1/2019	NE	41.34	NA	NA	NA	402.62		0.0	*
3Q19	443.76	7/1/2019	NE	38.35	NA	NA	NA	405.41	399.95 - 373.95 (43.81 - 69.81)	0.0	*
4Q19		10/1/2019	NE	36.78	NA	NA	NA	406.98		0.1	*
1Q20		1/2/2020	NE	37.14	NA	NA	NA	406.62		0.0	*
2Q20		4/1/2020	NE	36.87	NA	NA	NA	406.89		0.0	*
3Q20		7/6/2020	NE	35.52	NA	NA	NA	408.24		0.1	*
4Q20		10/5/2020	NE	35.52	NA	NA	NA	408.24		0.0	*
1Q21		1/4/2021	NE	36.48	NA	NA	NA	407.28		0.0	*
T 15											
2Q18	445.14	4/2/2018	41.62	41.71	403.43	403.52	0.09	403.50	397.10 - 371.10 (48.04 - 74.04)	0.0	* Gauging resu t anomalous
		6/8/2018	NE	42.98	NA	NA	NA	402.16		0.0	*
3Q18		7/2/2018	NE	43.32	NA	NA	NA	401.82		0.0	*
4Q18		10/1/2018	NE	43.53	NA	NA	NA	401.61		0.0	*
1Q19		1/4/2019	NE	43.78	NA	NA	NA	401.36		0.0	*
2Q19		4/2/2019	NE	43.76	NA	NA	NA	401.38	396.74 - 370.74 (48.40 - 74.40)	0.0	*
3Q19	445.35	7/1/2019	NE	42.13	NA	NA	NA	403.22	396.95 - 370.95 (48.40 - 74.40)	0.0	*
4Q19		10/1/2019	NE	40.23	NA	NA	NA	405.12		0.0	*
1Q20		1/2/2020	NE	39.97	NA	NA	NA	405.38		0.0	*
2Q20		4/1/2020	NE	39.25	NA	NA	NA	406.10		0.0	*
3Q20		7/6/2020	NE	37.80	NA	NA	NA	407.55		0.0	*
4Q20		10/6/2020	NE	37.28	NA	NA	NA	408.07		0.0	*
1Q21		1/4/2021	NE	38.29	NA	NA	NA	407.06		0.0	*
T 17											
2Q18	446.01	4/3/2018	NE	40.01	NA	NA	NA	406.00	401.91 - 375.91 (44.10 - 70.10)	0.0	*
3Q18		7/2/2018	NE	41.25	NA	NA	NA	404.76		0.0	*
4Q18		10/1/2018	NE	41.70	NA	NA	NA	404.31		0.0	*
1Q19		1/2/2019	NE	42.66	NA	NA	NA	403.35		0.0	*
2Q19		4/2/2019	NE	42.32	NA	NA	NA	403.69	401.54 - 375.54 (44.47 - 70.47)	0.0	*
3Q19	446.19	7/1/2019	NE	41.39	NA	NA	NA	404.80	401.72 - 375.72 (44.47 - 70.47)	0.0	*
4Q19		10/2/2019	NE	39.98	NA	NA	NA	406.21		0.0	*
1Q20		1/2/2020	NE	39.12	NA	NA	NA	407.07		0.0	*
2Q20		4/2/2020	NE	37.70	NA	NA	NA	408.49		1.0	*
3Q20		7/7/2020	NE	36.15	NA	NA	NA	410.04		0.0	*
4Q20		10/6/2020	NE	35.45	NA	NA	NA	410.74		0.3	*
1Q21		1/4/2021	NE	36.59	NA	NA	NA	409.60		2.9	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
T 19											
2Q18	446.79	4/4/2018	NE	45.19	NA	NA	NA	401.60	396.02 - 370.02 (50.77 - 76.77)	7.6	*
3Q18		7/3/2018	NE	46.77	NA	NA	NA	400.02		11.1	*
4Q18		10/2/2018	NE	46.97	NA	NA	NA	399.82		22.9	*
1Q19		1/2/2019	NE	47.55	NA	NA	NA	399.24		475	*
2Q19		4/2/2019	NE	47.12	NA	NA	NA	399.67		103	*
3Q19	446.99	7/1/2019	NE	46.81	NA	NA	NA	400.18	396.22 - 370.22 (50.77 - 76.77)	0.9	*
4Q19		10/2/2019	NE	44.74	NA	NA	NA	402.25		5.8	*
1Q20		1/2/2020	NE	43.46	NA	NA	NA	403.53		17.7	*
2Q20		4/2/2020	NE	42.14	NA	NA	NA	404.85		13.5	*
3Q20		7/8/2020	NE	40.88	NA	NA	NA	406.11		54.8	*
4Q20		10/6/2020	NE	40.10	NA	NA	NA	406.89		19.2	*
1Q21		1/5/2021	NE	41.59	NA	NA	NA	405.40		47.5	*
T 21											
2Q18	443.99	4/4/2018	NE	32.13	NA	NA	NA	411.86	412.03 - 386.03 (31.96 - 57.96)	0.0	
3Q18		7/2/2018	NE	32.04	NA	NA	NA	411.95		0.0	
4Q18		10/3/2018	NE	32.25	NA	NA	NA	411.74		0.0	
1Q19		1/4/2019	NE	32.96	NA	NA	NA	411.03		0.0	
2Q19		4/2/2019	NE	32.84	NA	NA	NA	411.15		0.0	
3Q19	444.22	7/2/2019	NE	30.50	NA	NA	NA	413.72	412.26 - 386.26 (31.96 - 57.96)	0.0	*
4Q19		10/2/2019	NE	29.31	NA	NA	NA	414.91		0.0	*
1Q20		1/3/2020	NE	29.57	NA	NA	NA	414.65		0.0	*
2Q20		4/3/2020	NE	28.56	NA	NA	NA	415.66		0.0	*
3Q20		7/7/2020	NE	27.48	NA	NA	NA	416.74		0.0	*
4Q20		10/7/2020	NE	27.30	NA	NA	NA	416.92		0.0	*
1Q21		1/5/2021	NE	28.49	NA	NA	NA	415.73		0.0	*
T 22											
2Q18	442.19	4/4/2018	NE	33.96	NA	NA	NA	408.23	410.64 - 384.94 (31.55 - 57.25)	0.0	
3Q18		7/2/2018	NE	33.76	NA	NA	NA	408.43		0.0	
4Q18		10/3/2018	NE	33.96	NA	NA	NA	408.23		0.0	
1Q19		1/4/2019	NE	34.06	NA	NA	NA	408.13		0.0	
2Q19		4/2/2019	NE	33.83	NA	NA	NA	408.36		0.0	
3Q19	442.37	7/2/2019	NE	30.31	NA	NA	NA	412.06	410.82 - 385.12 (31.55 - 57.25)	0.0	*
4Q19		10/2/2019	NE	29.90	NA	NA	NA	412.47		0.0	*
1Q20		1/3/2020	NE	30.49	NA	NA	NA	411.88		0.0	*
2Q20		4/3/2020	NE	29.72	NA	NA	NA	412.65		0.0	*
3Q20		7/7/2020	NE	28.73	NA	NA	NA	413.64		0.0	*
4Q20		10/7/2020	NE	29.47	NA	NA	NA	412.90		0.0	*
1Q21		1/5/2021	NE	30.63	NA	NA	NA	411.74		0.1	*
T 23											
2Q18	432.69	4/4/2018	NM	NM	NA	NA	NA	NA	405.46 - 379.46 (27.23 - 53.23)	NM	Unable to locate well due to landscaping
3Q18		7/2/2018	NE	26.63	NA	NA	NA	406.06		0.0	*
4Q18		10/3/2018	NE	26.83	NA	NA	NA	405.86		0.0	*
1Q19		1/4/2019	NE	26.65	NA	NA	NA	406.04		0.0	*
2Q19		4/2/2019	NE	26.26	NA	NA	NA	406.43		0.0	*
3Q19	432.90	7/1/2019	NE	22.41	NA	NA	NA	410.49	405.67 - 379.67 (27.23 - 53.23)	0.0	*
4Q19		10/1/2019	NE	22.19	NA	NA	NA	410.71		0.0	*
1Q20		1/2/2020	NE	23.10	NA	NA	NA	409.80		0.0	*
2Q20		4/2/2020	NE	22.54	NA	NA	NA	410.36		0.0	*
3Q20		7/7/2020	NE	21.43	NA	NA	NA	411.47		0.0	*
4Q20		10/6/2020	NE	22.47	NA	NA	NA	410.43		0.0	*
1Q21		1/5/2021	NE	23.75	NA	NA	NA	409.15		0.0	*
T 24											
2Q18	443.81	4/2/2018	41.53	41.62	402.19	402.28	0.09	402.26	402.31 - 376.66 (41.50 - 67.15)	0.6	
3Q18		7/2/2018	42.79	42.87	400.94	401.02	0.08	401.00		0.4	
4Q18		10/2/2018	42.79	43.08	400.73	401.02	0.29	400.96		0.4	
1Q19		1/3/2019	42.71	43.54	400.27	401.10	0.83	400.93		31.0	
2Q19		4/1/2019	42.69	44.05	399.76	401.12	1.36	400.85		16.0	
3Q19	444.00	7/1/2019	39.75	40.27	403.73	404.25	0.52	404.15	402.50 - 376.85 (41.50 - 67.15)	12.6	*
4Q19		10/1/2019	38.01	38.34	405.66	405.99	0.33	405.92		0.7	*
1Q20		1/2/2020	38.81	38.95	405.05	405.19	0.14	405.16		14.7	*
2Q20		4/2/2020	38.17	38.20	405.80	405.83	0.03	405.82		1.1	*
3Q20		7/6/2020	37.23	37.25	406.75	406.77	0.02	406.77		1.4	*
4Q20		10/5/2020	37.06	37.11	406.89	406.94	0.05	406.93		11.7	*
1Q21		1/5/2021	38.33	38.37	405.63	405.67	0.04	405.66		5.3	*

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
T 28											
2Q18	444.43	4/2/2018	NE	39.84	NA	NA	NA	404.59	Unknown	0.0	
3Q18		7/2/2018	NE	41.39	NA	NA	NA	403.04		0.0	
4Q18		10/1/2018	NE	41.88	NA	NA	NA	402.55		0.0	
1Q19		1/2/2019	NE	42.55	NA	NA	NA	401.88		0.0	
2Q19		4/2/2019	NE	42.26	NA	NA	NA	402.17		0.0	
3Q19	444.56	7/1/2019	NE	41.35	NA	NA	NA	403.21		0.0	
4Q19		10/2/2019	NE	39.72	NA	NA	NA	404.84		0.0	
1Q20		1/2/2020	NE	38.80	NA	NA	NA	405.76		0.0	
2Q20		4/2/2020	NE	37.69	NA	NA	NA	406.87		0.0	
3Q20		7/8/2020	NE	36.08	NA	NA	NA	408.48		0.0	
4Q20		10/6/2020	NE	35.52	NA	NA	NA	409.04		0.0	
1Q21		1/4/2021	NE	36.48	NA	NA	NA	408.08		0.1	
T 37											
2Q18	447.25	4/3/2018	NE	40.33	NA	NA	NA	406.92	398.40 - 378.40 (48.85 - 68.85)	0.0	*
3Q18		7/3/2018	NE	41.26	NA	NA	NA	405.99		0.0	*
4Q18		10/2/2018	NE	41.59	NA	NA	NA	405.66		0.1	*
1Q19		1/3/2019	NE	42.52	NA	NA	NA	404.73		0.0	*
2Q19		4/2/2019	NE	42.25	NA	NA	NA	405.00		0.0	*
3Q19	447.44	7/2/2019	NE	41.46	NA	NA	NA	405.98	398.58 - 378.58 (48.85 - 68.85)	0.0	*
4Q19		10/2/2019	NE	39.97	NA	NA	NA	407.47		0.0	*
1Q20		1/2/2020	NE	39.06	NA	NA	NA	408.38		0.0	*
2Q20		4/3/2020	NE	37.78	NA	NA	NA	409.66		0.0	*
3Q20		7/8/2020	NE	36.46	NA	NA	NA	410.98		0.0	*
4Q20		10/6/2020	NE	35.60	NA	NA	NA	411.84		0.0	*
1Q21		1/5/2021	NE	36.85	NA	NA	NA	410.59		0.0	*
T 38											
2Q18	445.67	4/3/2018	NE	37.21	NA	NA	NA	408.46	396.53 - 376.53 (49.14 - 69.14)	0.0	*
3Q18		7/3/2018	NE	37.95	NA	NA	NA	407.72		0.0	*
4Q18		10/2/2018	NE	38.32	NA	NA	NA	407.35		0.0	*
1Q19		1/3/2019	NE	39.25	NA	NA	NA	406.42		0.0	*
2Q19		4/2/2019	NE	38.99	NA	NA	NA	406.68		0.0	*
3Q19	445.89	7/2/2019	NE	37.60	NA	NA	NA	408.29	396.75 - 376.75 (49.14 - 69.14)	0.0	*
4Q19		10/2/2019	NE	36.31	NA	NA	NA	409.58		0.0	*
1Q20		1/2/2020	NE	35.88	NA	NA	NA	410.01		0.0	*
2Q20		4/3/2020	NE	34.61	NA	NA	NA	411.28		0.0	*
3Q20		7/8/2020	NE	33.26	NA	NA	NA	412.63		0.0	*
4Q20		10/6/2020	NE	32.56	NA	NA	NA	413.33		0.0	*
1Q21		1/5/2021	NE	33.86	NA	NA	NA	412.03		0.0	*
T 62											
2Q18	431.99	4/4/2018	NE	29.20	NA	NA	NA	402.79	412.28 - 382.28 (19.71 - 49.71)	0.0	
3Q18		7/2/2018	NE	28.77	NA	NA	NA	403.22		0.0	
4Q18		10/2/2018	NE	28.78	NA	NA	NA	403.21		0.0	
1Q19		1/3/2019	NE	28.30	NA	NA	NA	403.69		0.1	
2Q19		4/2/2019	NE	27.45	NA	NA	NA	404.54		0.0	
3Q19	432.16	7/30/2019	NE	21.97	NA	NA	NA	410.19	412.45 - 382.45 (19.71 - 49.71)	0.1	
4Q19		10/2/2019	NE	22.97	NA	NA	NA	409.19		0.0	
1Q20		1/3/2020	NE	24.47	NA	NA	NA	407.69		0.2	
2Q20		4/3/2020	NE	23.71	NA	NA	NA	408.45		0.0	
3Q20		7/7/2020	NE	22.89	NA	NA	NA	409.27		0.0	
4Q20		10/6/2020	NE	24.37	NA	NA	NA	407.79		0.0	
1Q21		1/5/2021	NE	25.61	NA	NA	NA	406.55		0.0	
T 63											
2Q18	431.43	4/4/2018	NE	28.86	NA	NA	NA	402.57	411.45 - 381.45 (19.98 - 49.98)	0.0	
3Q18		7/2/2018	NE	28.83	NA	NA	NA	402.60		0.0	
4Q18		10/2/2018	NE	27.93	NA	NA	NA	403.50		0.0	
1Q19		1/3/2019	NE	27.42	NA	NA	NA	404.01		0.0	
2Q19		4/2/2019	NE	26.69	NA	NA	NA	404.74		0.0	
3Q19	431.55	7/30/2019	NE	20.84	NA	NA	NA	410.71	411.57 - 381.57 (19.98 - 49.98)	0.0	
4Q19		10/2/2019	NE	22.20	NA	NA	NA	409.35		0.0	
1Q20		1/3/2020	NE	23.70	NA	NA	NA	407.85		0.0	
2Q20		4/3/2020	NE	23.13	NA	NA	NA	408.42		0.0	
3Q20		7/7/2020	NE	22.10	NA	NA	NA	409.45		0.1	
4Q20		10/6/2020	NE	24.00	NA	NA	NA	407.55		0.1	
1Q21		1/5/2021	NE	25.40	NA	NA	NA	406.15		0.0	

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 1a
QUARTERLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
T 64											
2Q18	428.93	4/4/2018	NM	NM	NA	NA	NA	NA	409.12 - 379.12 (19.81 - 49.81)	NM	Unsafe condition at well - Unable to access
3Q18		7/2/2018	NE	25.63	NA	NA	NA	403.30		0.0	
4Q18		10/2/2018	NE	25.47	NA	NA	NA	403.46		0.0	
1Q19		1/4/2019	NE	24.88	NA	NA	NA	404.05		0.0	
2Q19		4/3/2019	NE	23.94	NA	NA	NA	404.99		0.0	
3Q19	429.10	7/30/2019	NE	17.84	NA	NA	NA	411.26	409.29 - 379.29 (19.81 - 49.81)	3.3	*
4Q19		10/2/2019	NE	19.67	NA	NA	NA	409.43		3.4	*
1Q20		1/3/2020	NE	21.50	NA	NA	NA	407.60		0.0	
2Q20		4/3/2020	NE	26.64	NA	NA	NA	402.46		13.9	Gauging result anomalous
3Q20		7/7/2020	NE	19.58	NA	NA	NA	409.52		1.1	*
4Q20		10/6/2020	NE	22.07	NA	NA	NA	407.03		0.0	
1Q21		1/5/2021	NE	23.69	NA	NA	NA	405.41		0.0	

NOTES:

1) Elevations presented in this table are relative to the 1988 NAVD datum.

2) The corrected water level elevations presented in this table were corrected by a specific gravity of 0.80 for the wells in which LNAPL was identified.

3) PID values measured with a 10.6 electron volt (eV) lamp photoionization detector.

4) btoc Below Top of Casing; ppm parts per million; NA Not Applicable; NE Not Encountered; NM Not Measured

5) * Indicates that the LNAPL and/or water level is above the top of the screened zone of the well.

6) Table includes comprehensive groundwater monitoring we l gauging data for the last 12 quarters from the combined Village of Roxana Interim Groundwater Monitoring Program and the WRB Refining LP Wood River Refinery Program.

7) The screened interval for certain monitoring wells was adjusted based on an evaluation of the results of annual bottom depth gauging conducted in the first quarter of each year.

8) Top of casing and screened interval for the groundwater monitoring wells in the Roxana Interim Groundwater Monitoring Program and the WRR Program were adjusted based on surveying conducted in 2Q19, in accordance with Permit Condition IV.J.9, which requires wells be surveyed every five (5) years.

TABLE 1b
1Q21 WEEKLY GROUNDWATER MONITORING WELL GAUGING RESULTS

WELL ID & EVENT	TOP OF CASING (elev.)	DATE GAUGED	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	WATER PRODUCT INTERFACE (elev.)	PRODUCT (elev.)	PRODUCT THICKNESS (ft)	CORRECTED WATER LEVEL (elev.)	SCREENED INTERVAL (elev.) (ft btoc)	WELL HEAD PID (ppm)	Comments
ROST 4 PZ(E)											
Weekly	441.98	1/18/2021	35.67	35.68	406.30	406.31	0.01	406.31	407.23 - 397.23 (34.75 - 44.75)	NM	
		1/26/2021	35.84	35.85	406.13	406.14	0.01	406.14		NM	
		2/2/2021	35.95	35.96	406.02	406.03	0.01	406.03		NM	
		2/9/2021	36.24	36.25	405.73	405.74	0.01	405.74		0.1	
		2/19/2021	36.26	36.27	405.71	405.72	0.01	405.72		NM	
		2/24/2021	36.46	36.47	405.51	405.52	0.01	405.52		NM	
		3/2/2021	36.46	36.47	405.51	405.52	0.01	405.52		NM	
		3/9/2021	36.54	36.55	405.43	405.44	0.01	405.44		NM	
		3/16/2021	NE	36.63	NA	NA	NA	405.35		0.1	
		3/23/2021	NE	36.39	NA	NA	NA	405.59		0.1	

NOTES:

1) Elevations presented in this table are relative to the 1988 NAVD datum.

2) The corrected water level elevations presented in this table were corrected by a specific gravity of 0.80 for the wells in which LNAPL was identified.

3) PID values measured with a 10.6 electron volt (eV) lamp photoionization detector.

4) btoc Below Top of Casing; ppm parts per million; NA Not Applicable; NE Not Encountered; NM Not Measured

5) * Indicates that the LNAPL and/or water level is above the top of the screened zone of the well.

6) Top of casing and screened interval for the groundwater monitoring wells in the Roxana Interim Groundwater Monitoring Program and the WRR Program were adjusted based on surveying conducted in 2Q19, in accordance with Permit Condition IV.J.9, which requires wells be surveyed every five (5) years.

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TABLE 2
SUMMARY OF GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-01							
2Q18	6.73	17.20	1.263	22 20	0 05	8.9	
3Q18	6.71	21.60	1.147	6.50	0.14	144.8	
4Q18	6 57	19.40	1.060	2.40	0 69	126.4	
1Q19	6 52	17.40	1.119	3.56	0 29	128.3	
2Q19	6 80	18.40	1.066	20 86	0.13	83 3	
3Q19	6 88	19.30	0.810	22 30	0 37	-0.5	
4Q19	7 02	17.60	0.773	24 65	0.75	9.9	
1Q20	7.11	18.00	0.839	11 20	0 20	124.9	
2Q20	6.78	17.60	0.945	21.14	0 23	129.4	
3Q20	6 91	19.60	1.214	16.10	0 09	-183.7	
4Q20	6 90	18.40	1.262	27 83	0 69	129.1	
1Q21	7 06	16.70	1.006	34 34	0 28	72.7	
MW-02							
2Q18	7 08	17.30	1.553	10.40	0 38	-116.1	
3Q18	7 00	21.10	1.910	16 20	2 20	-175.7	
4Q18	7.12	19.10	1.344	3.90	0 63	-114.3	
1Q19	7 32	17.70	1.344	48 55	0 26	-64 3	
2Q19	7 21	19.80	1.159	49 06	0 00	-88 3	
3Q19	6 62	20.90	1.196	22 04	0.19	-125.2	
4Q19	6 94	19.60	1.181	14.70	0 68	120.1	
1Q20	7 06	18.50	1.456	20.40	0.16	86.1	
2Q20	6 81	19.50	1.143	29 62	0.12	-114.9	
3Q20	7.14	19.80	1.495	7.19	0 00	-185.7	
4Q20	7.12	18.80	1.463	10 87	0 53	-260.6	
1Q21	7 02	17.30	1.255	9.90	0 01	-58 3	
MW-03							
2Q18	6 94	17.60	1.601	7.80	0.47	-138.9	
3Q18	6 85	20.10	1.299	6.60	1 30	-125.9	
4Q18	6 63	19.10	1.534	1.20	0 54	-49 0	
1Q19	6 68	17.00	1.128	0.00	0 95	-92.1	
2Q19	6 93	19.00	1.373	5.49	0.17	-103.2	
3Q19	6.77	20.00	1.280	13 93	0 34	-80 3	
4Q19	6 92	19.00	1.095	10 66	0 80	-151.9	
1Q20	6.73	18.30	1.283	3.60	0.17	198.8	
2Q20	6.79	19.30	1.140	4.16	0 23	-129.1	
3Q20	6 88	20.60	1.100	6.00	0.13	-152.4	
4Q20	6.75	18.00	1.624	19 09	0 60	-137.9	
1Q21	6 59	16.90	1.746	9.71	0 00	-60 2	

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TABLE 2
SUMMARY OF GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-04							
2Q18	6.78	17.70	1.168	6.50	0 01	-58.4	
3Q18	6.76	20.70	1.192	17 60	0.18	-65 2	
4Q18	6 65	19.10	1.316	8.90	0 60	84 0	
1Q19	6.74	18.10	1.358	42 50	0 81	-71 6	
2Q19	6.77	18.50	1.605	25 52	0 02	-74.4	
3Q19	6.76	19.30	1.472	25.19	0 22	-50 6	
4Q19	6 93	18.50	1.508	8.17	0 68	-115.5	
1Q20	6.71	17.30	1.438	8.90	0 30	203.9	
2Q20	6 66	17.70	1.432	18.79	2.18	-106.5	Equipment malfunction. DO results are suspect.
3Q20	8 94	18.90	1.254	33 06	0.10	-90.4	Equipment malfunction. pH results are suspect.
4Q20	6 84	19.10	1.156	39.15	0 56	-125.2	
1Q21	6.76	14.00	1.014	26 03	0 93	248.9	
MW-05							
2Q18	6 85	16.80	1.145	40 30	0 39	-116.0	
3Q18	6 62	20.70	1.247	9.50	3.40	-117.8	
4Q18	6 38	18.00	0.915	0.40	0 69	142.7	
1Q19	6.70	15.40	1.071	3.92	0 25	-95 6	
2Q19	6.76	18.00	1.296	11 80	0.19	-126.3	
3Q19	6.78	18.70	1.209	9.71	0 33	-6.4	
4Q19	6 85	18.10	1.267	15 60	0 90	-146.5	
1Q20	7 04	18.00	1.377	13 28	1 61	-143.6	
2Q20	6 67	16.20	0.950	23 39	0 25	-82 8	
3Q20	6 87	20.20	1.202	27 65	0 36	-159.3	
4Q20	6 83	18.30	1.373	15 97	0 64	-152.8	
1Q21	6.71	16.40	1.161	4.80	0 00	-38 8	
MW-06A							
2Q18	6.41	18.10	1.177	45 50	0.49	-16 2	
3Q18	6 57	20.70	1.993	49.70	2 20	-69 0	
4Q18	6 80	20.50	1.050	111.00	0 57	-83 9	
1Q19	6 59	19.00	1.165	17 90	0 92	-94 8	
2Q19	6 54	18.50	1.292	42 99	0 08	-78 5	
3Q19	6 56	20.70	0.826	34 31	0 22	-121.5	
4Q19	6.77	19.90	0.798	37.42	0 69	-121.5	
1Q20	6 64	18.40	1.122	24 20	0 20	153.0	
2Q20	6 52	17.30	1.040	42 50	0.43	-83.1	
3Q20	6 87	20.30	1.102	31 00	0 37	-125.3	
4Q20	6 88	20.90	1.102	33 33	0.40	-138.0	
1Q21	6.75	18.20	1.100	49 80	0 59	-51 0	

TABLE 2
SUMMARY OF GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-06B							
2Q18	6 91	18.00	1.033	11 00	0 57	-102.8	
3Q18	7.14	20.60	0.771	1.50	2 20	-117.2	
4Q18	7 06	19.70	0.806	0.00	0 68	-50.7	
1Q19	7 02	19.10	0.897	0.00	0 99	-79.1	
2Q19	7.10	18.90	0.907	5.26	0 03	-85 3	
3Q19	6 86	20.30	0.885	10.14	0 29	-103.1	
4Q19	7 09	19.90	0.786	0.00	0 62	-111.7	
1Q20	6 99	17.00	1.088	1.70	0 25	69 0	
2Q20	6 86	17.80	0.800	3.61	0.40	-56 2	
3Q20	7.15	20.10	0.835	25 84	0.12	-126.9	
4Q20	7 27	20.30	0.760	17 31	0 50	-131.4	
1Q21	7 54	18.30	0.718	15.70	0 63	-97.4	
MW-06C							
2Q18	6.74	17.40	1.183	3.20	0 36	-114.8	
3Q18	7.13	20.70	0.841	4.30	3 00	-133.6	
4Q18	6 94	19.70	0.790	5.40	0 67	-63 3	
1Q19	7.10	18.60	0.864	0.00	2 51	-86 9	
2Q19	7.10	18.20	0.910	3.11	0.14	-66 8	
3Q19	6 92	20.10	0.841	1.66	0 31	-164.6	
4Q19	7.18	19.50	0.783	0.00	0.75	-128.4	
1Q20	7.16	18.60	0.948	5.20	0 29	50.1	
2Q20	7 02	18.00	0.640	10 85	0 68	-90 5	
3Q20	7 26	19.90	0.727	32.47	0.15	-147.3	
4Q20	7 37	20.00	0.661	5.83	0 53	-143.7	
1Q21	7 68	17.10	0.602	15 60	0.70	-107.4	
MW-06D							
2Q18	6 92	17.70	1.708	39.10	0 54	-125.4	
3Q18	7.11	20.30	1.179	8.80	2 00	-131.9	
4Q18	7 07	19.10	1.092	26 80	0 69	-74.4	
1Q19	7 07	18.20	1.074	5.10	2 56	-100.1	
2Q19	7.13	17.90	0.998	14 92	0 27	-100.4	
3Q19	6.76	20.20	0.932	8.92	0.41	-124.4	
4Q19	7.13	19.20	0.940	4.45	0.75	-128.9	
1Q20	7.11	18.20	1.209	30 50	0 25	2.8	
2Q20	7 00	16.80	0.900	48 99	0 50	-93 2	
3Q20	7.17	19.60	1.035	27 24	0 05	-151.9	
4Q20	7 23	20.10	0.993	37.79	0.44	-152.3	
1Q21	7.48	17.80	0.952	49.70	0 52	-118.7	

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SUMMARY OF GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-07							
2Q18	6 57	17.90	1.388	33 90	0 03	-30.4	
3Q18	6 60	21.70	1.622	31 80	0.10	-56 3	
4Q18	6 69	20.90	1.690	14 00	0 69	-28 8	
1Q19	6.72	18.00	1.816	19.40	0 94	-62 5	
2Q19	6 68	19.20	1.668	8.04	0 03	-57 2	
3Q19	6 62	20.10	1.356	34.40	0 25	-34.1	
4Q19	6 66	20.40	1.400	24 55	0.48	-75.4	
1Q20	6.70	18.30	1.623	36.10	1 39	56 0	
2Q20	6 68	18.40	1.560	39 81	1 50	-79 5	Equipment malfunction. DO results are suspect.
3Q20	6 51	19.90	2.544	466.49	0 91	6.2	Equipment malfunction. Conductivity and turbidity results are suspect.
4Q20	6.77	19.20	1.469	48.71	0.49	-71 8	
1Q21	6 89	15.00	1.258	49 89	0.74	33.4	
MW-08							
2Q18	6 58	18.60	1.509	0.30	0 00	-41 9	
3Q18	6.72	21.80	1.526	3.00	0.14	-71.4	
4Q18	6.78	20.40	1.493	0.50	0 56	-60.7	
1Q19	6.75	19.20	1.444	3.80	0 82	-92.1	
2Q19	6.78	20.10	1.532	6.40	0 09	-100.2	
3Q19	6.78	20.50	1.389	15 20	0 21	-85.4	
4Q19	6 93	19.30	1.637	16.41	0 61	-144.9	
1Q20	6 81	18.00	1.821	7.10	0 25	103.2	
2Q20	6 82	18.50	1.710	3.81	2 08	-139.1	Equipment malfunction. DO results are suspect.
3Q20	6 66	20.00	3.001	605.35	0 55	-80 2	Equipment malfunction. Conductivity and turbidity results are suspect.
4Q20	6 87	18.60	1.567	22 22	0 50	-154.8	
1Q21	6 85	16.30	1.078	2.54	0 53	-20.1	
MW-09							
2Q18	6 66	17.10	1.302	9.20	0 08	-34 3	
3Q18	6.79	20.10	1.279	19 80	0 25	19 8	
4Q18	6.78	18.90	1.194	4.10	0.76	22 3	
1Q19	6 53	16.70	1.325	1.60	0 94	31 6	
2Q19	6 82	18.30	1.279	22 36	0.10	-47.4	
3Q19	6 60	23.60	1.334	35 24	0 54	-80 5	
4Q19	6.72	17.50	1.600	10 96	0.79	-77 3	
1Q20	6 82	17.30	2.101	35.70	0 21	146.0	
2Q20	6.73	16.60	1.733	7.69	0 37	-49 2	
3Q20	6 68	18.50	1.880	46.79	0 08	-79 3	
4Q20	6 82	18.60	2.041	26 52	0 57	-89 5	
1Q21	6 80	16.50	1.317	21 50	0 04	51 2	

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SUMMARY OF GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-10							
2Q18	7 02	18.10	1.932	17 00	0 06	-73.7	
3Q18	6 88	20.40	2.105	31.10	0.12	-36.7	
4Q18	6 92	19.70	1.793	28 20	0 68	17.4	
1Q19	6 92	16.70	1.200	10 20	0 98	-37 8	
2Q19	7 05	19.20	1.400	19.16	0.11	-70 5	
3Q19	7 02	18.90	1.413	31 31	0 28	-84.4	
4Q19	6 93	18.10	1.067	18 33	0 82	-135.6	
1Q20	6 85	17.20	1.331	23 20	0 23	148.6	
2Q20	6 89	17.30	1.139	25 56	0 22	-100.2	
3Q20	7 02	20.10	1.578	24.45	0 04	-128.2	
4Q20	7.15	18.80	1.364	46.11	0 52	-155.4	
1Q21	6.74	16.70	2.192	40 20	0 02	78 6	
MW-11							
2Q18	6 80	15.30	1.928	31.10	0 56	-40 5	
3Q18	6 68	19.70	2.022	47.70	0.70	-81 3	
4Q18	6 81	17.20	1.446	12.10	0 84	-53.4	
1Q19	6 69	16.20	1.629	0.00	0 97	-25.7	
2Q19	6 80	18.10	1.643	49 82	0.10	-73.7	
3Q19	6 80	20.30	1.330	6.46	0 34	6.9	
4Q19	6 85	17.30	1.288	2.69	0 69	-66 0	
1Q20	6.77	16.20	1.502	3.60	0.19	186.0	
2Q20	6.76	17.10	1.400	6.40	0 25	-66.7	
3Q20	6.77	18.20	1.543	8.61	0.11	-96 6	
4Q20	6.76	17.50	1.787	8.02	0 60	-98 2	
1Q21	6 58	16.20	1.350	29 90	0 08	197.0	
MW-12							
2Q18	6 89	18.20	0.914	3.10	0.19	60 9	
3Q18	6.74	20.30	0.940	0.90	0.17	183.5	
4Q18	6 89	19.40	1.022	6.50	0.72	99 3	
1Q19	6 85	16.50	1.100	0.00	0 96	93 2	
2Q19	6 94	18.60	1.206	5.22	0.15	114.5	
3Q19	6 86	20.40	0.872	16 92	0 36	234.2	
4Q19	6 82	19.40	0.972	5.37	0 65	88 6	
1Q20	6 94	16.90	1.030	24 20	0.19	102.2	
2Q20	6 92	18.50	0.846	17 52	0.11	-29 2	
3Q20	7 04	19.30	0.774	16.13	0 01	152.1	
4Q20	6 95	17.50	1.186	9.15	0 63	55 8	
1Q21	6 63	16.60	0.959	17 90	1 37	174.0	

TABLE 2
SUMMARY OF GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-13							
2Q18	6.45	19.30	1.466	13 60	0 09	-81 3	
3Q18	6 60	22.00	1.490	17 60	0.14	-105.4	
4Q18	6 60	19.60	1.389	15.40	0 61	-33 3	
1Q19	6 60	18.70	1.509	11 93	0.19	-87.7	
2Q19	6 56	18.20	1.284	12.49	0.14	-58 6	
3Q19	6 37	22.40	0.997	21 00	0.14	-121.4	
4Q19	6 59	19.60	1.012	15 84	0.70	-122.6	
1Q20	6 65	18.20	1.667	32 86	1.13	-114.7	
2Q20	6.49	19.60	1.000	19 52	0 07	-110.6	
3Q20	6 68	22.00	1.174	36.71	0 00	-149.1	
4Q20	6 65	19.90	1.566	8.06	0 53	-144.8	
1Q21	7 00	18.20	1.361	47.47	0 63	-81.1	
MW-14							
2Q18	6.41	17.10	2.016	5.00	0.43	-57 3	
3Q18	6 59	22.20	1.510	1.00	1 98	-66 2	
4Q18	6 95	17.60	1.138	4.90	0 82	100.3	
1Q19	6.78	16.60	1.108	1.67	0 29	-38.7	
2Q19	6.45	18.40	1.235	7.11	0 24	156.2	
3Q19	6.76	20.80	0.927	17 52	0 36	-115.8	
4Q19	6 84	17.40	0.875	2.43	1 01	-88 9	
1Q20	6 83	17.70	1.660	1.19	1.78	-106.4	
2Q20	6 54	18.00	1.218	6.99	0.15	-45 2	
3Q20	6 84	20.60	1.060	13 09	0 00	-140.2	
4Q20	6.72	18.60	1.022	6.65	0 68	-117.9	
1Q21	6.74	17.20	1.155	1.56	0.48	-36.4	
MW-16							
2Q18	6 51	17.90	1.289	35.40	0 64	-33 6	
3Q18	6 89	20.50	1.060	11.10	0 60	-135.4	
4Q18	6.76	19.50	1.171	10.10	0 58	-50 3	
1Q19	6 53	16.50	1.201	9.20	0 95	-18.7	
2Q19	6 87	17.60	1.312	32 00	0 32	-39 2	
3Q19	6 53	20.60	1.314	25 80	0 37	14 2	
4Q19	6.78	19.10	1.246	46.41	0 82	90.7	
1Q20	6 68	17.40	1.602	21.40	1 00	222.5	
2Q20	6 53	14.60	1.245	6.10	0 52	163.5	
3Q20	6.77	19.20	1.258	24.42	0.12	68 2	
4Q20	6 80	19.00	1.544	21 24	0 65	38 5	
1Q21	6 90	17.10	0.916	33 90	0.19	65 3	

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TABLE 2
SUMMARY OF GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-22							
2Q18	6 64	18.90	1.462	9.90	0.43	-85.4	
3Q18	6 60	21.80	1.398	16 20	1.40	-103.5	
4Q18	6.72	18.60	1.044	1.10	0 86	110.2	
1Q19	6 87	15.10	1.134	5.02	0.47	-87.4	
2Q19	6 66	19.00	1.097	16.18	0.18	117.2	
3Q19	NM	NM	NM	NM	NM	NM	Well inaccessible due to parked vehicle. No sample collected.
4Q19	7.10	19.20	1.374	22 53	0 97	-111.6	
1Q20	7.14	18.80	1.599	12 21	1 84	-92.7	
2Q20	6 67	17.60	1.173	22.73	0 25	53.4	
3Q20	7 05	22.60	1.040	16 92	0 00	-72 0	
4Q20	7 00	18.40	1.414	2.69	0.47	-52 8	
1Q21	7 00	17.90	1.116	11.17	0 03	-51.4	
MW-23							
2Q18	6 27	16.90	1.064	49 60	0 00	-13 6	
3Q18	6 69	21.30	1.004	62 00	0.18	-89.1	
4Q18	6 66	19.10	0.958	37 00	0 57	-47 0	
1Q19	6 61	16.10	1.062	49.70	0 83	-78.1	
2Q19	6.75	19.70	1.124	88.40	0 00	-98 8	
3Q19	6 66	21.00	0.982	12 69	0 31	-57 2	
4Q19	6.78	19.70	0.787	70 83	0 58	-118.2	
1Q20	6.79	17.00	1.064	38 80	0 22	7.7	
2Q20	6 67	19.30	0.910	30 31	0.10	-88.1	
3Q20	6 81	19.80	0.820	49 30	0 04	-116.6	
4Q20	6 67	19.00	1.242	39 51	0 56	-117.8	
1Q21	6.42	16.90	1.059	50 80	1 28	-119.5	
MW-24							
2Q18	6 80	16.80	2.026	22 80	0 63	45.1	
3Q18	6 69	20.10	1.809	49 80	2 90	126.7	
4Q18	6 61	19.60	2.020	51 60	0.70	79 3	
1Q19	6 69	17.40	1.760	22 80	1 30	178.8	
2Q19	6 93	17.80	1.615	37 50	0 68	-2.1	
3Q19	6 83	19.10	1.278	17.12	0 32	296.1	
4Q19	6 98	18.20	1.857	19 02	1 07	189.1	
1Q20	6 88	16.60	1.345	11 30	0 51	231.0	
2Q20	6 87	17.60	0.971	10 55	0 31	125.6	
3Q20	7 03	19.20	0.854	17 67	0.14	147.0	
4Q20	6 97	18.30	1.011	7.68	0.79	194.2	
1Q21	7.14	16.50	1.181	5.73	0 34	59 2	

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TABLE 2
SUMMARY OF GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-25							
2Q18	6 88	18.00	0.919	16.70	0 00	-27 9	
3Q18	7 09	20.40	0.495	19 00	0.14	-64.4	
4Q18	7 27	18.20	0.555	4.40	0 57	-107.0	
1Q19	7 22	16.40	0.970	14 90	0.76	-205.8	
2Q19	7 09	18.70	1.391	41 25	0 00	-105.8	
3Q19	6 87	20.80	1.059	16.74	0 30	-73.4	
4Q19	6 91	19.00	1.034	3.91	0 69	-137.5	
1Q20	6 85	17.40	1.028	9.70	0 24	167.1	
2Q20	6 88	18.20	1.014	17.18	2 02	-128.9	Equipment malfunction. DO results are suspect.
3Q20	6 68	20.60	2.201	526.73	0 36	-83 5	Equipment malfunction. Conductivity and turbidity results are suspect.
4Q20	6 97	20.20	1.257	17.73	0 56	-151.4	
1Q21	7 03	16.40	1.119	27 04	0 81	149.0	
MW-26							
2Q18	6.72	18.80	1.832	14.10	0 09	90.4	
3Q18	6.71	22.10	1.592	4.00	0.40	146.7	
4Q18	6 81	21.00	1.431	3.80	0.73	62 3	
1Q19	6.75	17.40	1.298	7.90	1 04	80 0	
2Q19	6 86	18.90	1.324	9.49	0.10	11 2	
3Q19	6 84	19.80	1.044	9.24	0 29	206.0	
4Q19	6 82	18.90	0.965	36 00	0 81	162.6	
1Q20	6 85	18.40	1.430	15 80	0 38	181.4	
2Q20	6 64	17.60	1.514	8.33	0.70	170.1	
3Q20	6.75	20.30	1.421	5.54	0 38	53.1	
4Q20	6.77	18.50	1.496	10.70	0 81	201.5	
1Q21	7 01	16.00	1.598	20 31	0.44	36.4	
MW-27							
2Q18	6 90	15.80	1.436	30.70	0.72	-24.1	
3Q18	6.79	21.40	1.204	49 80	13.90	-30.4	Equipment malfunction. DO results are suspect.
4Q18	6.79	19.60	1.021	30 90	1 84	35.7	
1Q19	6.78	16.40	1.033	3.70	1.76	46 2	
2Q19	6 82	17.10	1.031	36 28	1.71	-9.4	
3Q19	6 95	19.10	0.891	5.86	3 36	289.0	
4Q19	6 97	19.40	0.835	41 54	4 62	227.4	
1Q20	6 95	16.50	0.884	10 60	2.75	108.7	
2Q20	7 00	16.00	0.818	24.41	3 88	28.4	
3Q20	7 05	18.30	0.851	41.10	4 53	151.2	
4Q20	6 92	17.80	1.104	5.27	3 36	53 3	
1Q21	7 39	15.90	0.847	9.80	2 27	35.1	

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TABLE 2
SUMMARY OF GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
MW-28							
2Q18	6 57	17.30	1.598	14 60	0.13	40 2	
3Q18	6 56	20.80	2.077	0.80	4 00	-11.4	
4Q18	6.71	19.30	1.619	8.10	0 83	-27 8	
1Q19	6.71	17.70	1.730	9.77	0 37	9.0	
2Q19	6.76	18.40	1.779	15 83	0 27	70 9	
3Q19	6 57	23.00	1.475	22.76	0 37	15.4	
4Q19	6.71	18.90	1.647	5.49	0 50	-19 2	
1Q20	6 57	18.20	2.134	30 20	0.19	107.8	
2Q20	6.42	17.00	1.511	27 55	0 26	82 5	
3Q20	6 65	20.30	1.915	43.42	0.10	-94 6	
4Q20	6 83	17.60	1.442	12 26	0 65	-53.7	
1Q21	6 88	17.30	1.140	4.85	0 05	11.1	
P-54							
2Q18	6 90	15.90	1.999	26 20	1.72	90 0	
3Q18	6.77	20.60	1.258	13 60	19.70	199.1	Equipment malfunction. DO results are suspect.
4Q18	6.76	19.40	1.253	12 50	1 63	98 2	
1Q19	6 94	16.30	1.137	4.40	3 85	72 3	
2Q19	6 82	18.90	1.292	13 59	1.17	44.7	
3Q19	6 69	20.20	1.188	3.60	1 06	262.7	
4Q19	6.79	17.30	1.181	2.52	3 36	210.4	
1Q20	6.77	15.70	1.126	2.00	1 88	253.3	
2Q20	6 83	18.00	1.155	8.12	2 30	116.1	
3Q20	6.74	19.40	1.084	11 93	0 64	155.9	
4Q20	6 82	17.40	1.307	14 08	4 28	177.1	
1Q21	6 98	15.10	1.184	5.37	1 24	44 0	
P-55R							
2Q18	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q18	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q18	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
1Q19	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q19	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q19	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q19	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
1Q20	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q20	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q20	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q20	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
1Q21	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.

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TABLE 2
SUMMARY OF GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
P-56							
2Q18	6 98	22.30	2.042	48.70	0 24	-131.4	
3Q18	6 92	22.80	1.579	49 90	0 00	-140.9	
4Q18	7.19	20.20	1.198	11 00	0 29	-88 6	
1Q19	6 96	18.40	1.070	33 63	0 25	-64 8	
2Q19	6 81	21.80	1.200	32 03	0.12	-98 6	
3Q19	6 89	25.80	1.540	62.10	0 06	-183.1	
4Q19	7.15	20.20	1.247	24.17	0 86	-140.0	
1Q20	7 04	18.10	1.343	9.87	1 56	-137.6	
2Q20	7.19	18.50	1.025	8.27	0.78	-166.1	
3Q20	7 04	22.20	1.166	6.29	0.10	-138.2	
4Q20	7 08	17.80	1.133	4.10	0 26	-144.0	
1Q21	6 82	16.60	0.933	7.23	0 54	-59.4	
P-57							
2Q18	6 69	20.80	1.689	9.40	0 37	-116.0	
3Q18	6.70	24.70	1.799	1.00	0.70	-131.3	
4Q18	6 57	21.70	1.307	3.80	0.75	60 3	
1Q19	6 66	20.40	1.053	2.63	0 37	-43.7	
2Q19	6 61	22.30	1.017	2.36	0 20	-44.1	
3Q19	6 64	21.90	1.083	6.70	0 30	-146.4	
4Q19	6 89	21.20	0.995	0.00	0.71	-132.0	
1Q20	6 92	20.00	1.335	0.00	1.44	-120.0	
2Q20	6 69	18.40	0.848	4.58	0 32	-16 0	
3Q20	6 83	22.10	0.841	5.06	0.15	-126.1	
4Q20	6 93	19.90	0.994	5.34	0 60	-137.4	
1Q21	7 00	17.60	0.943	3.58	0 68	-52 8	
P-58							
2Q18	6 57	22.70	3.147	14.70	0 32	-93 2	
3Q18	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q18	7 00	25.80	2.600	40 60	0.49	-39.4	
1Q19	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q19	6 84	25.30	2.530	43.77	0 00	-80 6	
3Q19	6 65	22.90	3.083	26 95	0 23	-122.0	
4Q19	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
1Q20	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q20	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q20	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q20	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
1Q21	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.

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TABLE 2
SUMMARY OF GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
P-59							
2Q18	7 36	27.70	1.344	11 30	0 38	-106.9	
3Q18	6 56	31.40	1.790	8.00	2 00	-113.7	
4Q18	6 61	27.10	1.648	49 20	0 20	-90.1	
1Q19	6 54	20.60	1.321	1.63	0.40	-45 8	
2Q19	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q19	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q19	6.79	24.50	1.168	0.00	0.75	-139.0	
1Q20	6.76	21.10	1.481	0.00	1 51	-98 9	
2Q20	6.72	26.60	1.342	14.72	0.75	-133.4	
3Q20	6 64	23.80	0.906	1.57	0 00	-119.4	
4Q20	6.72	20.70	1.036	3.70	0 61	-131.2	
1Q21	6 58	19.70	1.068	7.79	0 51	-41 8	
P-66							
2Q18	6 50	18.80	1.965	5.60	0 35	-103.6	
3Q18	6.49	27.10	1.861	16 50	0 37	-85.4	
4Q18	6.79	18.30	1.501	3.80	0 81	90.4	
1Q19	6 64	18.10	1.546	8.34	0 31	-61 8	
2Q19	6 56	20.70	1.453	8.80	0.14	64.4	
3Q19	6.49	22.80	1.446	6.09	0 25	-135.9	
4Q19	6 63	19.70	0.998	0.00	0.77	-112.4	
1Q20	6.75	18.30	2.269	12 52	2 31	-121.2	
2Q20	6 50	18.00	1.279	11.19	0 24	-59 5	
3Q20	6 86	25.00	1.439	9.77	0 00	-152.6	
4Q20	6.78	19.60	1.701	6.32	0 64	-139.0	
1Q21	6 97	15.90	1.304	8.99	0 64	-66.4	
P-68							
2Q18	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q18	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q18	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
1Q19	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q19	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q19	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q19	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
1Q20	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
2Q20	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
3Q20	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
4Q20	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.
1Q21	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.

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TABLE 2
SUMMARY OF GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
P-74							
2Q18	7 85	13.00	0.255	6.30	9.75	28.4	
3Q18	7 09	27.50	0.225	11 90	0 57	31 2	
4Q18	6 29	18.10	0.323	3.30	0 86	62 0	
1Q19	7 55	18.30	0.149	4.62	0 39	-73 5	
2Q19	7 24	19.90	0.165	4.39	0 81	55 6	
3Q19	6.74	22.30	0.221	9.88	0 31	-106.9	
4Q19	6 91	21.80	0.239	3.60	0 80	-84 0	
1Q20	7 03	18.00	0.257	6.48	1.76	-92 8	
2Q20	6 56	17.70	0.168	3.28	0.76	93 5	
3Q20	6.71	22.10	0.153	17.76	0 00	70.7	
4Q20	6.48	19.30	0.354	3.77	0.71	-60 9	
1Q21	7 21	14.80	0.197	7.33	0 80	20.7	
P-93A							
2Q18	6 83	24.00	1.514	12 60	0 51	-3.2	Initial sample
	6.72	23.60	0.965	6.20	0 34	-206.0	Confirmation sample
3Q18	6.78	30.00	1.007	5.20	0 85	-81 2	
4Q18	6 83	22.90	1.158	2.60	0 30	-137.9	
1Q19	6.73	20.70	0.999	1.27	0.46	-49.7	
2Q19	6 62	20.90	0.883	32 66	0 82	-85 2	
3Q19	6 64	22.90	1.079	5.63	0 36	-112.7	
4Q19	6 62	23.40	0.977	21 33	0 87	-79 3	
1Q20	7 07	22.00	1.497	0.00	1 57	-72.7	
2Q20	7 06	21.90	0.877	5.05	0 65	-99 0	
3Q20	6.73	23.30	0.776	1.99	0 08	-86 6	
4Q20	7.17	23.10	0.874	0.90	0.77	-46.7	
1Q21	6 69	18.90	1.183	1.89	0.70	156.7	
P-93B							
2Q18	7 07	18.20	1.364	8.80	0.76	-113.2	
3Q18	6 68	23.90	1.448	50 30	0 50	-95 0	
4Q18	6 59	18.50	1.561	28 20	0.44	-63 6	
1Q19	6 37	17.30	1.491	0.69	0.44	-45 9	
2Q19	6 58	16.90	1.155	33 90	0 87	-60 2	
3Q19	6 57	21.20	1.101	4.07	1 08	-115.3	
4Q19	6.70	19.70	1.073	13 56	1 52	-104.9	
1Q20	6 66	17.40	1.557	2.23	2 06	-91 0	
2Q20	6 81	19.70	1.368	30 80	0 93	-115.3	
3Q20	7 02	23.00	1.096	42.12	0.14	-143.3	
4Q20	6 69	19.50	1.359	4.51	0 61	-120.7	
1Q21	6.72	16.50	1.257	44 03	0 59	-25 8	

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TABLE 2
SUMMARY OF GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
P-93C							
2Q18	7 00	19.00	1.563	42.70	0.46	-81 6	
3Q18	6.74	23.40	1.222	3.30	0 29	-49 3	
4Q18	6 95	19.00	1.362	8.30	0.40	-48.7	
1Q19	6 95	17.60	1.125	2.21	0 29	-80.7	
2Q19	6 36	18.00	1.067	2.36	0.44	-26 8	
3Q19	6.77	21.70	1.175	48 20	0 34	-108.0	
4Q19	6 96	21.90	1.099	4.82	0 81	-118.4	
1Q20	6 89	18.20	1.574	0.00	1 80	-90 2	
2Q20	7 03	18.70	1.025	4.18	0.72	-147.4	
3Q20	6 89	22.30	0.913	0.00	0 02	-110.5	
4Q20	7 03	18.70	0.915	8.50	0 27	-101.3	
1Q21	7 26	16.10	0.946	2.78	0.78	-34 5	
P-93D							
2Q18	7.42	19.00	1.367	10 30	0 83	-106.5	
3Q18	7 37	28.90	1.447	4.50	3.10	-101.1	
4Q18	7 05	17.50	1.441	7.00	0 21	-107.9	
1Q19	6 51	16.60	1.338	0.72	0.47	-42 6	
2Q19	7.16	15.00	1.320	14 01	1 57	29 0	
3Q19	6.73	19.70	1.349	4.14	0 80	-170.8	
4Q19	7 07	19.10	1.157	24 54	0 88	-121.9	
1Q20	7 04	17.00	1.751	0.00	1 90	-99 2	
2Q20	7.12	18.90	1.265	3.18	1 02	-231.3	
3Q20	7 21	23.30	1.137	3.57	0 88	-153.7	
4Q20	6 91	18.20	1.167	0.20	1.16	-103.0	
1Q21	7.13	17.20	1.091	30 00	1 55	-54 9	
P-114R							
2Q18	6 30	19.60	0.879	33.40	0.12	-60 0	
3Q18	6 67	22.00	0.903	29 60	0.12	-132.6	
4Q18	6.74	20.50	0.784	38 00	0.49	41 0	
1Q19	6.72	19.90	1.105	79 32	0 00	-112.9	
2Q19	6.76	19.80	1.162	44.78	0 00	-76 0	
3Q19	6 36	20.60	1.054	65 60	0.10	-136.2	
4Q19	6.73	22.60	0.863	32.44	0.49	-147.9	
1Q20	7 07	20.40	1.785	41 91	1.12	-107.5	
2Q20	6 62	21.80	1.131	27.18	0.42	-125.9	
3Q20	6.77	23.80	0.930	34.70	0 00	-131.6	
4Q20	6.79	22.20	1.315	48 87	0.43	-163.7	
1Q21	6 69	19.70	0.952	28.18	0 58	-70.7	

TABLE 2
SUMMARY OF GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
ROST-3-MW							
2Q18	6 56	17.10	1.704	25.10	0 02	-36 0	
3Q18	6 64	21.00	1.562	23.10	0 22	-78 8	
4Q18	6.49	19.10	1.585	12 90	0 61	21.4	
1Q19	6 56	16.50	1.669	0.00	0 98	-34 5	
2Q19	6 87	17.20	1.584	34 01	0.42	24 9	
3Q19	6.70	19.30	1.261	6.69	0.40	-122.2	
4Q19	6.47	17.70	1.627	1.15	0 80	-80.4	
1Q20	6.46	17.40	2.042	10.40	0 23	213.3	
2Q20	6.47	16.80	1.219	8.15	0.13	-68 8	
3Q20	6 88	18.50	1.364	10 23	0 07	-145.6	
4Q20	6 61	16.70	1.274	15.10	0 62	-92 3	
1Q21	6.79	15.30	1.394	35 90	0 09	-14.4	
ROST-4-PZ(C)							
2Q18	6 66	16.90	2.033	15 20	0 39	-84 2	
3Q18	6.75	19.80	2.149	5.20	0.70	-120.8	
4Q18	6 98	17.70	1.121	12 80	0 69	65 2	
1Q19	6 85	14.60	1.390	15 01	0 37	-82 3	
2Q19	7 07	19.10	1.310	18 60	0.16	-28 6	
3Q19	7.17	19.50	1.439	12 94	0 25	-169.4	
4Q19	7 00	18.30	1.681	5.87	0 63	-184.6	
1Q20	6 97	17.90	2.062	0.00	1.70	-108.1	
2Q20	7.11	17.30	1.214	23 58	0 20	-80 0	
3Q20	7 25	21.70	1.275	47.19	0 04	-167.4	
4Q20	7.16	16.90	1.519	34 92	0 64	-144.4	
1Q21	7.12	16.90	1.142	29.47	0 03	-71 6	
ROST-4-PZ(E)							
2Q18	6 91	18.00	2.416	15 20	0 58	16 8	
3Q18	6 65	23.40	2.660	42 60	2 90	-4.0	
4Q18	6.45	18.70	1.518	11 80	0 89	145.0	
1Q19	6 99	18.40	2.258	35 54	0.41	73 9	
2Q19	6 90	19.10	2.064	26 93	0.42	22 0	
3Q19	6 94	21.10	1.820	24.15	0 28	-80 8	
4Q19	7 00	19.00	2.000	2.33	0.73	-137.2	
1Q20	7 01	19.10	2.451	31.42	1.42	-122.6	
2Q20	6 93	18.20	1.892	25 87	0.18	-10 2	
3Q20	6 96	20.30	2.107	10 82	0.14	-140.7	
4Q20	7 06	18.20	1.983	10 26	0 66	-147.3	
1Q21	NM	NM	NM	NM	NM	NM	LNAPL encountered in well. No sample collected.

TABLE 2
SUMMARY OF GROUNDWATER MONITORING WELL FIELD PARAMETERS

WELL ID & EVENT	pH	Temp (C)	Specific Cond (mS/cm)	Turbidity (NTUs)	DO (mg/L)	ORP (mV)	General Notes
ROST-4-PZ(G)							
2Q18	6 38	17.90	2.255	10.40	0 37	-88 8	
3Q18	6.76	21.40	2.357	4.90	1 00	-109.7	
4Q18	6 92	18.70	1.832	9.00	0 69	52.1	
1Q19	6 89	17.90	2.222	4.70	0 31	-67.1	
2Q19	7 03	18.70	1.766	5.68	0.13	-42 2	
3Q19	6 60	19.10	1.749	13 86	0 28	-72 8	
4Q19	6 83	20.90	1.721	50 01	0.47	-238.9	
1Q20	6.77	17.70	1.661	20 60	0 26	212.5	
2Q20	6.47	17.90	1.252	9.14	0.10	-38 5	
3Q20	6 92	20.50	1.636	31 28	0 04	-154.6	
4Q20	6.77	18.40	1.615	30 99	0 61	-135.7	
1Q21	6 69	18.00	1.356	5.15	0 00	-52 8	
T-12							
2Q18	7 95	21.80	1.335	20 60	0 34	-115.8	
3Q18	6.70	22.70	1.977	0.00	0 90	-117.1	
4Q18	6 54	23.00	1.716	3.00	0 32	-70 3	
1Q19	6 82	22.20	1.657	4.93	0 30	-96.1	
2Q19	6 62	23.60	1.693	3.73	0 22	-131.1	
3Q19	6.76	23.30	1.789	5.46	0 24	-161.2	
4Q19	6 94	22.60	1.427	14 65	0 86	-149.9	
1Q20	6 88	19.10	1.905	0.00	1 53	-115.9	
2Q20	7 07	19.50	1.306	12.44	0 84	-153.9	
3Q20	6 84	21.00	1.563	4.33	0 02	-121.6	
4Q20	6 96	18.30	1.667	5.20	0 31	-122.8	
1Q21	6 87	17.30	1.362	5.33	0 53	-93 8	

NOTES:

1) Field parameters were collected using a YSI ProDSS.

2) NM = Not Measured

3) * = Equipment malfunction. Results are suspect.

4) Negative parameter readings for Turbidity and DO are recorded as zero.

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromomethane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroform	2-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichloroethane	cis-1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Ethyl methacrylate	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene
Screening Values (mg/L)						6.3 [1]	0.005 [1]	0.0098 [2]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]	0.07 [1]	0.14 [3]		0.0002 [1]	0.00005 [1]	0.005 [1]	0.07 [1]	0.005 [1]	0.7 [1]		0.7 [1]		0.07 [1]	0.14 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
MW-01	MW1-ROX-040618	4/6/2018	48.80 - 58.80	40.82	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW1-ROX-070618	7/6/2018		41.40	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW1-ROX-101018	10/10/2018		41.17	NE	<0.025	0.0018	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.01	<0.001	<0.005
	MW1-ROX-010819	1/8/2019		40.96	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW1-ROX-041119	4/11/2019		40.50	NE	<0.025 UJ	0.00045 J	<0.001	<0.025 UJ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW1-ROX-071119	7/11/2019		38.16	NE	<0.025	0.00044 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW1-ROX-101119	10/11/2019		35.72	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW1-ROX-010920	1/9/2020		37.09	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW1-ROX-040920	4/9/2020		36.54	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW1-ROX-071320	7/13/2020		35.52	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW1-ROX-100920	10/9/2020		36.06	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	0.0011	<0.001	<0.001	<0.025	<0.001	<0.001
	MW1-ROX-011221	1/12/2021	48.80 - 58.80	37.37	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-02	MW2-ROX-040918	4/9/2018	49.87 - 59.87	42.10	NE	0.029	0.0016	<0.001	0.019 J	0.0029	0.0017	<0.001	<0.001	<0.001	0.0021	<0.001	0.0018	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.22	<0.001	0.026	<0.025	<0.001	0.036
	MW2-ROX-071018	7/10/2018		42.59	NE	<0.025	0.007	<0.001	0.0095 J	0.0058	0.0054	0.00074 J	0.00093 J	<0.001	<0.001	<0.001	0.0052	<0.000029	<0.000019	<0.001	<0.001	<0.001	0.077	<0.001	0.052	<0.025	<0.001	0.01
	MW2-ROX-101218	10/12/2018		42.71	NE	0.021 J	0.0044	<0.001	0.0099 J	0.0022	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	0.0036	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.11	<0.001	0.035	<0.025	<0.001	0.011
	MW2-ROX-101218-DUP	10/12/2018		42.71	NE	0.017 J	0.0045	<0.001	0.0095 J	0.0022	0.0041	<0.001	<0.001	<0.001	<0.001	<0.001	0.0037	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.13	<0.001	0.035	<0.025	<0.001	0.013
	MW2-ROX-010819	1/8/2019		42.43	NE	<0.05	0.0032	<0.002	0.02 J	0.0063	0.0053	<0.002	<0.002	<0.002	<0.002	<0.002	0.0054	<0.000031	<0.000021	<0.002	<0.002	<0.002	0.22	<0.002	0.061	<0.05	<0.002	0.023
	MW2-ROX-010819-DUP	1/8/2019		42.43	NE	<0.05	0.0032	<0.002	0.026 J	0.0067	0.0054	<0.002	<0.002	<0.002	<0.002	<0.002	0.0055	<0.000031	<0.000021	<0.002	<0.002	<0.002	0.21	<0.002	0.061	<0.05	<0.002	0.023
	MW2-ROX-041619	4/16/2019		41.80	NE	<0.13	<0.005	<0.005	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.00003	<0.00002	<0.005	<0.005	<0.005	0.64	<0.005	0.042	<0.13	<0.005	0.041
	MW2-ROX-070919	7/9/2019		37.86	NE	<0.13	<0.005	<0.005	<0.13	0.011	0.0066	<0.005	<0.005	<0.005	<0.005	<0.005	0.0068	<0.000031	<0.000021	<0.005	<0.005	<0.005	1.2	<0.005	0.074	<0.13	<0.005	0.064
	MW2-ROX-101019	10/10/2019		36.99	NE	<0.13	<0.005	<0.005	<0.13	0.0073	0.0045 J	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	<0.00003	<0.00002	<0.005	<0.005	<0.005	0.63	<0.005	0.06	<0.13	<0.005	0.065
	MW2-ROX-010920	1/9/2020		38.52	NE	<0.05	<0.002	<0.002	<0.05	<0.002	0.0036	<0.002	<0.002	<0.002	<0.002	<0.002	0.0031	<0.00003	<0.00002	<0.002	<0.002	<0.002	0.21	<0.002	0.034	<0.05	<0.002	0.02
	MW2-ROX-040820	4/8/2020		37.69	NE	<0.13	0.0032 J	<0.005	<0.13	0.0044 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.000029	<0.000019	<0.005	<0.005	<0.005	0.77	<0.005	0.043	<0.13	<0.005	0.06
	MW2-ROX-071520	7/15/2020		36.85	NE	<0.025	0.0015	<0.001	<0.025	0.0062	0.0077	0.00073 J	<0.001	<0.001	<0.001	<0.001	0.0064	<0.000032	<0.000021	<0.001	<0.001	<0.001	0.039	<0.001	0.051	<0.025	<0.001	0.0095
	MW2-ROX-101620	10/16/2020		37.48	NE	<0.025	0.0035	<0.001	<0.025	0.0094	0.013	0.0013	<0.001	<0.001	<0.001	<0.001	0.011	<0.000029	<0.00002	<0.001	<0.001	<0.001	0.11	<0.001	0.074	<0.025	<0.001	0.017
	MW2-ROX-011421	1/14/2021	49.87 - 59.87	38.43	NE	<0.025	0.0028	<0.001	0.0084 J	0.0066	0.0087	0.00094 J	<0.001	<0.001	<0.001	<0.001	0.0059	<0.000031	<0.00002	<0.001	<0.001	<0.001	0.12 F1 J	<0.001	0.066 F1 J	<0.025	<0.001	0.02
MW-03	MW3-ROX-040518	4/5/2018	34.67 - 44.67	27.98	NE	0.01 J	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	0.0028	<0.025	0.0027	<0.001
	MW3-ROX-070618	7/6/2018		28.30	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	<0.025	<0.001	<0.001
	MW3-ROX-100518	10/5/2018		28.18	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	0.0022	<0.025	0.0019	<0.001
	MW3-ROX-010919	1/9/2019		28.05	NE	<0.025 UJ	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	0.0023	<0.025	<0.001	<0.001
	MW3-ROX-040919	4/9/2019		27.50	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW3-ROX-071019	7/10/2019		22.66	NE	<0.025	0.0011	<0.001	<0.025	<0.001	0.001	0.00095 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	0.0037	<0.001	0.013	<0.025	<0.001	<0.001
	MW3-ROX-101419	10/14/2019		22.66	NE	<0.025	0.00039 J	<0.001	<0.025	0.0029	<0.001	<0.001	0.00088 J	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	0.0029	<0.001	0.005	<0.025	<0.001	<0.001
	MW3-ROX-011020	1/10/2020		24.02	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	0.00064 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	0.006	<0.025	<0.001	<0.001
	MW3-ROX-040820	4/8/2020		23.42	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	0.0033	<0.025	<0.001	<0.001
	MW3-ROX-071420	7/14/2020		22.48	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	0.0026	<0.025	<0.001	<0.001
	MW3-ROX-101520	10/15/2020		23.53	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW3-ROX-010821	1/8/2021	34.67 - 44.67	24.71	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-04	MW4-ROX-040918	4/9/2018	45.06 - 55.06	39.32	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0036	<0.001
	MW4-ROX-071018	7/10/2018		39.60	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0039	<0.001
	MW4-ROX-100818	10/8/2018		39.61	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0032	<0.001
	MW4-ROX-010719	1/7/2019		39.22	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0042	<0.001
	MW4-ROX-040819	4/8/2019		38.97	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0031	<0.001
	MW4-ROX-070819	7/8/2019		34.47	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0033	<0.001
	MW4-ROX-100819	10/8/2019		34.07	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW4-ROX-010620	1/6/2020		35.54	NE	<0.025	<0.001	<0.001 UJ	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW4-ROX-010620-PCP	1/6/2020		35.54	NE																							
	MW4-ROX-040620	4/6/2020		34.92	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000037	<0.000025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW4-ROX-070820	7/8/2020		33.88	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.00084 J	<0.001
	MW4-ROX-101220	10/12/2020		34.49	NE	<0.025	0.00041 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0019	<0.001
	MW4-ROX-011821	1/18/2021	45.06 - 55.06	35.93	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromomethane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroform	2-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichloroethane	cis-1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Ethyl methacrylate	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene
Screening Values (mg/L)						6.3 [1]	0.005 [1]	0.0098 [2]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]	0.07 [1]	0.14 [3]		0.0002 [1]	0.00005 [1]	0.005 [1]	0.07 [1]	0.005 [1]	0.7 [1]		0.7 [1]		0.07 [1]	0.14 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
MW-05	MW5-ROX-040918	4/9/2018	33.97 - 43.97	27.78	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	0.0012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0011	<0.001
	MW5-ROX-071018	7/10/2018		27.87	NE	<0.025	0.00091 J	<0.001	<0.025	<0.001	<0.001	0.0029	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0023	<0.001
	MW5-ROX-101218	10/12/2018		27.95	NE	<0.025	0.0019	<0.001	<0.025	<0.001	<0.001	0.0022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW5-ROX-010819	1/8/2019		27.65	NE	<0.025	0.0022	<0.001	<0.025	<0.001	<0.001	0.0018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW5-ROX-041519	4/15/2019		26.96	NE	<0.025	0.0033	<0.001	<0.025	<0.001	<0.001	0.0019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0024	<0.001
	MW5-ROX-071219	7/12/2019		22.37	NE	0.074	0.01	<0.001	<0.025	<0.001	<0.001	0.0023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.0068	<0.001	0.0027	<0.025	0.0028	<0.001
	MW5-ROX-101519	10/15/2019		22.23	NE	<0.025	0.0044	<0.001	<0.025	<0.001	<0.001	0.0026	0.00059 J	<0.001	0.0017	<0.001	<0.001	<0.000029	<0.000019	<0.001	0.00052 J	<0.001	<0.001	<0.001	0.0023	<0.025	0.0032	<0.001
	MW5-ROX-010620	1/6/2020		23.68	NE	<0.025	<0.001	<0.001 UJ	<0.025	<0.001	<0.001	0.0012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	0.00071 J	<0.025	<0.001	<0.001
	MW5-ROX-041320	4/13/2020		23.11	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	0.0024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW5-ROX-071420	7/14/2020		22.18	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	0.0043	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0015	<0.001
	MW5-ROX-101420	10/14/2020		23.10	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	0.0018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0019	<0.001
	MW5-ROX-011121	1/11/2021	33.97 - 43.97	24.48	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	0.0025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.002	<0.001
MW-06A	MW6A-ROX-040518	4/5/2018	33.85 - 43.85	29.83	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6A-ROX-070518	7/5/2018		30.10	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0012	<0.001
	MW6A-ROX-100418	10/4/2018		30.10	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0015	<0.001
	MW6A-ROX-010819	1/8/2019		29.77	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0016	<0.001
	MW6A-ROX-040519	4/5/2019		29.34	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.00093 J	<0.001
	MW6A-ROX-071119	7/11/2019		24.57	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6A-ROX-101019	10/10/2019		24.39	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6A-ROX-010820	1/8/2020		26.03	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.00086 J	<0.001
	MW6A-ROX-041320	4/13/2020		25.14	NE	<0.025	0.00043 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6A-ROX-071620	7/16/2020		24.35	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6A-ROX-100820	10/8/2020		25.23	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.00072 J	<0.001	<0.001	<0.025	0.00092 J	<0.001
	MW6A-ROX-010721	1/7/2021	33.85 - 43.85	26.50	NE	<0.025	0.00038 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-06B	MW6B-ROX-040518	4/5/2018	64.05 - 69.05	29.95	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6B-ROX-070518	7/5/2018		30.15	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6B-ROX-100418	10/4/2018		30.13	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6B-ROX-010819	1/8/2019		29.83	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6B-ROX-040519	4/5/2019		29.40	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6B-ROX-071119	7/11/2019		24.62	NE	<0.025	0.00044 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6B-ROX-101019	10/10/2019		24.43	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6B-ROX-010820	1/8/2020		26.09	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6B-ROX-010820-PCP	1/8/2020		26.09	NE																							
	MW6B-ROX-041320	4/13/2020		25.19	NE	<0.025	0.0012	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6B-ROX-071620	7/16/2020		24.40	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6B-ROX-100820	10/8/2020		25.28	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.0015	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6B-ROX-010721	1/7/2021	64.05 - 69.05	26.50	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-06C	MW6C-ROX-040518	4/5/2018	84.95 - 89.95	29.74	NE	<0.025	0.0018	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6C-ROX-070518	7/5/2018		29.93	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6C-ROX-070518-DUP	7/5/2018		29.93	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6C-ROX-100418	10/4/2018		29.93	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6C-ROX-010819	1/8/2019		29.62	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6C-ROX-040519	4/5/2019		29.20	NE	<0.025	0.0013	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6C-ROX-071119	7/11/2019		24.42	NE	<0.025	0.00075 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6C-ROX-101019	10/10/2019		24.23	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6C-ROX-101019-DUP	10/10/2019		24.23	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6C-ROX-010820	1/8/2020		25.86	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6C-ROX-041320	4/13/2020		24.88	NE	<0.025	0.0048	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6C-ROX-071620	7/16/2020		24.19	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6C-ROX-100820	10/8/2020		25.07	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.0014	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6C-ROX-010721	1/7/2021	84.95 - 89.95	26.29	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromomethane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroform	2-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichloroethane	cis-1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Ethyl methacrylate	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene
Screening Values (mg/L)						6.3 [1]	0.005 [1]	0.0098 [2]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]	0.07 [1]	0.14 [3]		0.0002 [1]	0.00005 [1]	0.005 [1]	0.07 [1]	0.005 [1]	0.7 [1]		0.7 [1]		0.07 [1]	0.14 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
MW-06D	MW6D-ROX-040518	4/5/2018	104.72 - 109.72	29.52	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6D-ROX-070518	7/5/2018		29.76	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6D-ROX-100418	10/4/2018		29.76	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6D-ROX-010819	1/8/2019		29.45	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6D-ROX-040519	4/5/2019		29.02	NE	<0.025 UJ	0.00059 J	<0.001	<0.025 UJ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6D-ROX-071119	7/11/2019		24.24	NE	<0.025	0.0056	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6D-ROX-101019	10/10/2019		24.07	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6D-ROX-010820	1/8/2020		25.68	NE	<0.025	0.00079 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6D-ROX-041320	4/13/2020		24.85	NE	<0.025	0.058	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6D-ROX-041320-DUP	4/13/2020		24.85	NE	<0.025	0.052	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6D-ROX-071620	7/16/2020		24.04	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6D-ROX-100820	10/8/2020		24.90	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.0012	<0.001	<0.001	<0.025	<0.001	<0.001
	MW6D-ROX-010721	1/7/2021	104.72 - 109.72	26.13	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-07	MW7-ROX-040918	4/9/2018	42.92 - 52.92	41.38	NE	<25	780	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	0.000049	<0.00002	<1	<1	<1	<1	<1	<1	<25	<1	<1
	MW7-ROX-040918-DUP	4/9/2018		41.38	NE	<25	770	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	0.000056	<0.00002	<1	<1	<1	<1	<1	<1	<25	<1	<1
	MW7-ROX-071018	7/10/2018		41.64	NE	<250	1900	<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<0.000029	<0.000019	<10	<10	<10	<10	<10	<10	<250	<10	<10
	MW7-ROX-071018-DUP	7/10/2018		41.64	NE	<250	1700	<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<0.000031	<0.00002	<10	<10	<10	<10	<10	<10	<250	<10	<10
	MW7-ROX-100818	10/8/2018		41.69	NE	<63	650	<2.5	<63	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.000032	<0.000021	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<63	<2.5	<2.5
	MW7-ROX-010719	1/7/2019		41.25	NE	<130	650	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<0.000031	<0.000021	<5	<5	<5	<5	<5	<5	<130	<5	<5
	MW7-ROX-040819	4/8/2019		40.94	NE	<250	1000	<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<0.00003	<0.00002	<10	<10	<10	<10	<10	<10	<250	<10	<10
	MW7-ROX-040819-DUP	4/8/2019		40.94	NE	<250	1000	<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<0.00003	<0.00002	<10	<10	<10	<10	<10	<10	<250	<10	<10
	MW7-ROX-070819	7/8/2019		36.58	NE	<25	1300	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<0.000031	<0.00002	<1	<1	<1	0.52 J	<1	<1	<25	<1	<1
	MW7-ROX-070819-DUP	7/8/2019		36.58	NE	<25	1400	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<0.000029	<0.000019	<1	<1	<1	<1	<1	<1	<25	<1	<1
	MW7-ROX-100819	10/8/2019		36.10	NE	<130	1700	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<0.00003	<0.00002	<5	<5	<5	<5	<5	<5	<130	<5	<5
	MW7-ROX-100819-DUP	10/8/2019		36.10	NE	<130	1600	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<0.000029	<0.000019	<5	<5	<5	<5	<5	<5	<130	<5	<5
	MW7-ROX-010620	1/6/2020		37.60	NE	<130	800	<5 UJ	<130	<5	<5	<5	<5	<5	<5	<5	<5	<0.000032	<0.000021	<5	<5	<5	<5	<5	<5	<130	<5	<5
	MW7-ROX-010620-DUP	1/6/2020		37.60	NE	<130	750	<5 UJ	<130	<5	<5	<5	<5	<5	<5	<5	<5	<0.000034	<0.000023	<5	<5	<5	<5	<5	<5	<130	<5	<5
	MW7-ROX-010620-DUP-PCP	1/6/2020		37.60	NE																							
	MW7-ROX-010620-PCP	1/6/2020		37.60	NE																							
	MW7-ROX-040620	4/6/2020		36.84	NE	<25 UJ	700	<1 UJ	<25 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<0.000033 UJ	<0.000022 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<25 UJ	<1 UJ	<1 UJ
	MW7-ROX-040620-DUP	4/6/2020		36.84	NE	<25 UJ	700	<1 UJ	<25 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<0.000036 UJ	<0.000024 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<25 UJ	<1 UJ	<1 UJ
	MW7-ROX-070920	7/9/2020		35.98	NE	<25 UJ	640	<1 UJ	<25 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<0.000029 UJ	<0.000019 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<25 UJ	<1 UJ	<1 UJ
	MW7-ROX-070920-DUP	7/9/2020		35.98	NE	<25 UJ	650	<1 UJ	<25 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<0.000029 UJ	<0.000019 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<25 UJ	<1 UJ	<1 UJ
	MW7-ROX-101220	10/12/2020		36.63	NE	<25 UJ	1400	<1 UJ	<25 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<0.000031 UJ	<0.00002 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<25 UJ	<1 UJ	<1 UJ
	MW7-ROX-101220-DUP	10/12/2020		36.63	NE	<25 UJ	1400	<1 UJ	<25 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<0.00003 UJ	<0.00002 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<25 UJ	<1 UJ	<1 UJ
	MW7-ROX-011821	1/18/2021	42.92 - 52.92	37.96	NE	<250	2000	<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<0.000031	<0.000021	<10	<10	<10	<10	<10	<10	<250	<10	<10
	MW7-ROX-011821-DUP	1/18/2021		37.96	NE	<250	2200	<10	<250	<10	<10	<10	<10	<10	<10	<10	<10	<0.000031	<0.000021	<10	<10	<10	<10	<10	<10	<250	<10	<10
MW-08	MW8-ROX-040918	4/9/2018	33.60 - 43.60	32.27	NE	<25	510	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<0.00003	<0.00002	<1	<1	<1	<1	<1	<1	<25	<1	<1
	MW8-ROX-071018	7/10/2018		32.42	NE	<130	840	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<0.00003	<0.00002	<5	<5	<5	<5	<5	<5	<130	<5	<5
	MW8-ROX-100818	10/8/2018		32.45	NE	<63	550	<2.5	<63	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.00003	<0.00002	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<63	<2.5	<2.5
	MW8-ROX-100818-DUP	10/8/2018		32.45	NE	<63	560	<2.5	<63	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.000031	<0.000021	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<63	<2.5	<2.5
	MW8-ROX-010719	1/7/2019		32.04	NE	<50	420	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<0.00003	<0.00002	<2	<2	<2	<2	<2	<2	<50	<2	<2
	MW8-ROX-010719-DUP	1/7/2019		32.04	NE	<50	450	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<0.000029	<0.00002	<2	<2	<2	<2	<2	<2	<50	<2	<2
	MW8-ROX-040819	4/8/2019		31.70	NE	<63	550	<2.5	<63	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.00003	<0.00002	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<63	<2.5	<2.5
	MW8-ROX-070819	7/8/2019		27.15	NE	<13	280	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.00003	<0.00002	<0.5	<0.5	<0.5	0.54	<0.5	<0.5	<13	<0.5	<0.5
	MW8-ROX-100819	10/8/2019		26.91	NE	<13	110	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.000029	<0.000019	<0.5	<0.5	<0.5	0.4 J	<0.5	<0.5	<13	<0.5	1.2
	MW8-ROX-010620	1/6/2020		28.35	NE	<5	42	<0.2 UJ	<5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.000034	<0.000022	<0.2	<0.2	<0.2	0.19 J	<0.2	<0.2	<5	<0.2	<0.2
	MW8-ROX-010620-PCP	1/6/2020		28.35	NE																							
	MW8-ROX-040620	4/6/2020		27.70	NE	<5	49	<0.2	<5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.000041	<0.000028	<0.2	<0.2	<0.2	0.31	<0.2	<0.2	<5	<0.2	<0.2
	MW8-ROX-070920	7/9/2020		26.69	NE	<2.5	33	<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.000029	<0.00002	<0.1	<0.1	<0.1	0.07 J	<0.1	<0.1	<2.5	<0.1	<0.1
	MW8-ROX-101220	10/12/2020		27.54	NE	<13	130	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.00003	<0.00002	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<13	<0.5	<0.5
	MW8-ROX-011821	1/18/2021	33.60 - 43.60	28.95	NE	<2.5	29	<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00003	<0.00002	<0.1	<0.1	<0.1	0.056 J	<0.1	<0.1	<2.5	<0.1	<0.1

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromomethane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroform	2-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichloroethane	cis-1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Ethyl methacrylate	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene
Screening Values (mg/L)						6.3 [1]	0.005 [1]	0.0098 [2]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]	0.07 [1]	0.14 [3]		0.0002 [1]	0.00005 [1]	0.005 [1]	0.07 [1]	0.005 [1]	0.7 [1]		0.7 [1]		0.07 [1]	0.14 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
MW-09	MW9-ROX-040618	4/6/2018	46.04 - 56.04	42.29	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW9-ROX-070918	7/9/2018		42.82	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW9-ROX-101018	10/10/2018		42.88	NE	<0.025	0.00024 J	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000099	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.01	<0.001	<0.005
	MW9-ROX-011419	1/14/2019		42.97	NE	<0.025	0.00063 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW9-ROX-011419-DUP	1/14/2019		42.97	NE	<0.025	0.00053 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW9-ROX-041119	4/11/2019		42.54	NE	<0.025	0.00091 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW9-ROX-071019	7/10/2019		38.74	NE	<0.025	0.0027 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW9-ROX-071019-DUP	7/10/2019		38.74	NE	<0.025	0.00065 J J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW9-ROX-101419	10/14/2019		38.08	NE	<0.025	0.00082 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW9-ROX-011320	1/13/2020		38.95	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW9-ROX-011320-DUP	1/13/2020		38.95	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW9-ROX-041020	4/10/2020		38.51	NE	<0.025	0.0049	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW9-ROX-071720	7/17/2020		37.25	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW9-ROX-100920	10/9/2020		37.43	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW9-ROX-011221	1/12/2021	46.04 - 56.04	38.79	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-10	MW10-ROX-040518	4/5/2018	44.43 - 54.43	41.94	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW10-ROX-070918	7/9/2018		42.88	NE	0.033	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW10-ROX-101018	10/10/2018		42.87	NE	<0.025	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.01	<0.001	<0.005
	MW10-ROX-011119	1/11/2019		43.06	NE	<0.025	0.00047 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW10-ROX-042219	4/22/2019		42.54	NE	<0.025 UJ	0.0012	<0.001	<0.025 UJ	<0.001	<0.001	<0.001	0.0012	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW10-ROX-071219	7/12/2019		39.33	NE	<0.025	0.00065 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW10-ROX-101419	10/14/2019		38.40	NE	<0.025 UJ	0.00046 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW10-ROX-011020	1/10/2020		39.05	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW10-ROX-041020	4/10/2020		38.59	NE	<0.025	0.0036	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW10-ROX-071520	7/15/2020		37.15	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000033	<0.000022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW10-ROX-100920	10/9/2020		37.26	NE	0.012 J	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW10-ROX-011221	1/12/2021	44.43 - 54.43	35.88	NE	<0.025	<0.001	<0.001	<0.025	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001	<0.001	<0.001	<0.001 UJ	<0.001 UJ	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001 UJ	<0.001	<0.001 UJ	<0.025	<0.001	<0.001
MW-11	MW11-ROX-040618	4/6/2018	41.66 - 51.66	39.98	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW11-ROX-070918	7/9/2018		40.54	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW11-ROX-101118	10/11/2018		40.65	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW11-ROX-011019	1/10/2019		40.45	NE	<0.025	0.00044 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW11-ROX-041119	4/11/2019		40.03	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW11-ROX-070919	7/9/2019		35.95	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW11-ROX-100419	10/4/2019		35.36	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW11-ROX-010720	1/7/2020		36.45	NE	<0.025	<0.001	<0.001 UJ	<0.025 UJ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW11-ROX-040920	4/9/2020		36.02	NE	0.013 J	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW11-ROX-071720	7/17/2020		34.82	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW11-ROX-100920	10/9/2020		35.17	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.00082 J	<0.001	<0.001	<0.025	<0.001	<0.001
	MW11-ROX-011321	1/13/2021	41.66 - 51.66	36.45	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-12	MW12-ROX-040518	4/5/2018	41.92 - 51.92	40.50	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW12-ROX-040518-DUP	4/5/2018		40.50	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW12-ROX-070618	7/6/2018		41.03	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW12-ROX-101018	10/10/2018		40.84	NE	<0.025	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.01	<0.001	<0.005
	MW12-ROX-010919	1/9/2019		40.78	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW12-ROX-010919-RE	1/9/2019		40.78	NE																							
	MW12-ROX-040919	4/9/2019		40.42	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW12-ROX-071019	7/10/2019		35.87	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW12-ROX-100419	10/4/2019		35.49	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW12-ROX-010720	1/7/2020		36.78	NE	<0.025	<0.001	<0.001 UJ	<0.025 UJ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000036	<0.000024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW12-ROX-040820	4/8/2020		36.20	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW12-ROX-071020	7/10/2020		35.19	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	0.00079 J	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW12-ROX-101520	10/15/2020		35.68	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW12-ROX-010721	1/7/2021	41.92 - 51.92	37.08	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																				
						Acetone	Benzene	Bromomethane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroform	2-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichloroethane	cis-1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Ethyl methacrylate	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene
Screening Values (mg/L)						6.3 [1]	0.005 [1]	0.0098 [2]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]	0.07 [1]	0.14 [3]		0.0002 [1]	0.00005 [1]	0.005 [1]	0.07 [1]	0.005 [1]	0.7 [1]		0.7 [1]		0.07 [1]	0.14 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																						
MW-13	MW13-ROX-040618	4/6/2018	24.80 - 34.80	27.71	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.004	<0.001
	MW13-ROX-070918	7/9/2018		27.6	NE	0.017 J	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0044	<0.001
	MW13-ROX-101118	10/11/2018		27.66	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0033	<0.001
	MW13-ROX-010719	1/7/2019		27.18	NE	<0.025 UJ	<0.001	<0.001	<0.025 UJ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001 UJ	<0.001	<0.025 UJ	0.0045	<0.001
	MW13-ROX-041519	4/15/2019		26.44	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0046	<0.001
	MW13-ROX-070919	7/9/2019		21.59	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0017	<0.001
	MW13-ROX-100919	10/9/2019		21.95	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.002	<0.001
	MW13-ROX-010620	1/6/2020		23.41	NE	<0.025	<0.001	<0.001 UJ	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000033	<0.000022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0017	<0.001
	MW13-ROX-040820	4/8/2020		22.75	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0013	<0.001
	MW13-ROX-070920	7/9/2020		21.72	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0011	<0.001
	MW13-ROX-101420	10/14/2020		23.07	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.001	<0.001
	MW13-ROX-010821	1/8/2021	24.80 - 34.80	24.49	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.00084 J	<0.001
MW-14	MW14-ROX-041018	4/10/2018	33.42 - 43.42	31.96	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW14-ROX-071118	7/11/2018		32.06	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW14-ROX-101518	10/15/2018		32.32	NE	0.013 J	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW14-ROX-010919	1/9/2019		32.04	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	0.00085 J	<0.025	<0.001	<0.001
	MW14-ROX-041619	4/16/2019		31.06	NE	<0.025 UJ	<0.001	<0.001	<0.025 UJ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	0.00057 J	<0.025	<0.001	<0.001
	MW14-ROX-071019	7/10/2019		26.95	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW14-ROX-101119	10/11/2019		26.73	NE	<0.025 UJ	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW14-ROX-010720	1/7/2020		28.03	NE	<0.025	<0.001	<0.001 UJ	<0.025 UJ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW14-ROX-010720-PCP	1/7/2020		28.03	NE																							
	MW14-ROX-041420	4/14/2020		27.28	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW14-ROX-071320	7/13/2020		26.52	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW14-ROX-101620	10/16/2020		27.85	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW14-ROX-011121	1/11/2021	33.42 - 43.42	28.63	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-16	MW16-ROX-040618	4/6/2018	37.50 - 47.50	41.54	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW16-ROX-070618	7/6/2018		42.35	NE	0.01 J F2	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW16-ROX-100518	10/5/2018		42.24	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW16-ROX-011119	1/11/2019		42.10	NE	<0.025	0.00078 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW16-ROX-041219	4/12/2019		41.74	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW16-ROX-070919	7/9/2019		37.55	NE	<0.025	<0.001	<0.001	<0.025 UJ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW16-ROX-100719	10/7/2019		36.86	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW16-ROX-010920	1/9/2020		38.16	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW16-ROX-041320	4/13/2020		37.64	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW16-ROX-071320	7/13/2020		36.49	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW16-ROX-101420	10/14/2020		36.72	NE	<0.025	0.00058 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW16-ROX-011321	1/13/2021	37.50 - 47.50	38.04	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-22	MW22-ROX-041018	4/10/2018	38.43 - 48.43	NM	NE	<0.5	0.43	<0.02	<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.000029	<0.00002	<0.02	<0.02	<0.02	1.8	<0.02	0.052	<0.5	<0.02	0.16
	MW22-ROX-071018	7/10/2018		40.88	NE	<0.63	0.79	<0.025	<0.63	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.000029	<0.000019	<0.025	<0.025	<0.025	2	<0.025	0.057	<0.63	<0.025	0.2
	MW22-ROX-101518	10/15/2018		41.11	NE	<0.25	0.056	<0.01	<0.25	<0.01	0.0077 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00003	<0.00002	<0.01	<0.01	<0.01	1.5	<0.01	0.066	<0.25	<0.01	0.21
	MW22-ROX-010919	1/9/2019		40.91	NE	<0.63	0.1	<0.025	<0.63	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.00003	0.000022 p J	<0.025	<0.025	<0.025	1.3	<0.025	0.056	<0.63	<0.025	0.14
	MW22-ROX-041719	4/17/2019		40.31	NE	<0.63	0.22	<0.025	<0.63	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.00003	<0.00002	<0.025	<0.025	<0.025	2	<0.025	0.081	<0.63	<0.025	0.2
	MW22-ROX-101519	10/15/2019		35.38	NE	0.013 J	0.0035	<0.001	0.0046 J	<0.001	0.0014	0.0012	<0.001	<0.001	<0.001	<0.001	0.00083 J	<0.000029	<0.00002	<0.001	<0.001	<0.001	0.25	<0.001	0.011	<0.025	<0.001	0.028
	MW22-ROX-101519-DUP	10/15/2019		35.38	NE	0.012 J	0.0039	<0.001	0.0042 J	<0.001	0.0011	0.0009 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	0.3	<0.001	0.01	<0.025	<0.001	0.032
	MW22-ROX-010620	1/6/2020		36.83	NE	<0.025	<0.001	<0.001 UJ	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	0.016	<0.001	0.00064 J	<0.025	<0.001	0.0018
	MW22-ROX-010620-PCP	1/6/2020		36.83	NE																							
	MW22-ROX-041520	4/15/2020		36.30	NE	<0.025	0.00092 J	<0.001	<0.025	<0.001	<0.001	0.00076 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	0.053	<0.001	0.0044	<0.025	<0.001	0.012
	MW22-ROX-071420	7/14/2020		35.11	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.0011	<0.001	<0.001	<0.025	<0.001	<0.001
	MW22-ROX-101520	10/15/2020		35.56	NE	<0.025	0.00042 J	<0.001	<0.025	<0.001	0.00073 J	0.00068 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.015	<0.001	0.0041	<0.025	<0.001	0.0069
	MW22-ROX-011321	1/13/2021	38.43 - 48.43	36.65	NE	<0.025	0.0073	<0.001	<0.025	0.0021	0.0018	0.0024	<0.001	<0.001	<0.001	<0.001	0.0017	<0.000031	<0.000021	<0.001	<0.001	<0.001	0.21	<0.001	0.02	<0.025	<0.001	0.049

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromomethane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroform	2-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichloroethane	cis-1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Ethyl methacrylate	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene
Screening Values (mg/L)						6.3 [1]	0.005 [1]	0.0098 [2]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]	0.07 [1]	0.14 [3]		0.0002 [1]	0.00005 [1]	0.005 [1]	0.07 [1]	0.005 [1]	0.7 [1]		0.7 [1]		0.07 [1]	0.14 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
MW-23	MW23-ROX-040918	4/9/2018	29.02 - 39.02	29.24	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW23-ROX-070918	7/9/2018		29.1	NE	0.013 J	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW23-ROX-100918	10/9/2018		29.00	NE	<0.025	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.01	0.0011	<0.005
	MW23-ROX-010919	1/9/2019		28.96	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.00088 J	<0.001
	MW23-ROX-040919	4/9/2019		28.15	NE	<0.025	<0.001	0.0022 J	0.0086 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW23-ROX-071019	7/10/2019		23.01	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0016	<0.001
	MW23-ROX-100919	10/9/2019		23.39	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW23-ROX-010820	1/8/2020		24.92	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0011	<0.001
	MW23-ROX-010820-PCP	1/8/2020		24.92	NE																							
	MW23-ROX-040820	4/8/2020		24.30	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.00096 J	<0.001
	MW23-ROX-071420	7/14/2020		23.36	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW23-ROX-101320	10/13/2020		24.65	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW23-ROX-010721	1/7/2021	29.02 - 39.02	25.92	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-24	MW24-ROX-040618	4/6/2018	39.61 - 49.61	41.28	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW24-ROX-040618-DUP	4/6/2018		41.28	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000033	<0.000022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW24-ROX-070618	7/6/2018		41.87	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW24-ROX-100518	10/5/2018		41.81	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW24-ROX-011019	1/10/2019		41.76	NE	<0.025	0.00088 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW24-ROX-041219	4/12/2019		41.33	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW24-ROX-070919	7/9/2019		37.04	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW24-ROX-100719	10/7/2019		36.56	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW24-ROX-010720	1/7/2020		37.67	NE	<0.025	<0.001	<0.001 UJ	<0.025 UJ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000033	<0.000022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW24-ROX-010720-PCP	1/7/2020		37.67	NE																							
	MW24-ROX-040920	4/9/2020		37.28	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW24-ROX-071020	7/10/2020		36.13	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW24-ROX-101320	10/13/2020		36.6	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW24-ROX-011121	1/11/2021	39.61 - 49.61	37.88	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-25	MW25-ROX-040918	4/9/2018	35.59 - 45.59	36.49	NE	<0.025	0.02	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0022	<0.001
	MW25-ROX-071018	7/10/2018		36.71	NE	<0.025	0.005	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW25-ROX-100818	10/8/2018		36.73	NE	<0.025	0.0071	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW25-ROX-010719	1/7/2019		36.33	NE	<0.025	0.0023	<0.001	<0.025	<0.001	<0.001	<0.001	0.00068 J	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.00099 J	<0.001
	MW25-ROX-040819	4/8/2019		36.03	NE	<0.025	0.017	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0023	<0.001
	MW25-ROX-070819	7/8/2019		31.52	NE	<0.025	0.016	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0024	<0.001
	MW25-ROX-100819	10/8/2019		31.18	NE	<0.025	0.044	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0041	<0.001
	MW25-ROX-010620	1/6/2020		32.63	NE	<0.025	0.028	<0.001 UJ	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000035	<0.000023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW25-ROX-040620	4/6/2020		32.00	NE	<0.025	0.019	<0.001	<0.025	<0.001	<0.001	<0.001	0.0005 J	<0.001	<0.001	<0.001	<0.001	<0.000041	<0.000027	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0012	<0.001
	MW25-ROX-070920	7/9/2020		30.98	NE	<0.025	0.0087	<0.001	<0.025	<0.001	<0.001	<0.001	0.00071 J	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0026	<0.001
	MW25-ROX-101220	10/12/2020		31.67	NE	<0.025	0.045	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0033	<0.001
	MW25-ROX-011821	1/18/2021	35.59 - 45.59	33.11	NE	<0.025	0.044	<0.001	0.005 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.004	<0.001
	MW25-ROX-011821-DUP	1/18/2021		33.11	NE	<0.025	0.035	<0.001	0.0026 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0037	<0.001
MW-26	MW26-ROX-040518	4/5/2018	38.15 - 48.15	39.22	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW26-ROX-070618	7/6/2018		39.73	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW26-ROX-100918	10/9/2018		39.53	NE	<0.025	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.01	<0.001	<0.005
	MW26-ROX-010919	1/9/2019		39.46	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW26-ROX-041019	4/10/2019		38.90	NE	<0.025 UJ	<0.001	<0.001	<0.025 UJ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW26-ROX-071019	7/10/2019		34.54	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW26-ROX-100919	10/9/2019		33.99	NE	<0.025 UJ	<0.001	<0.001	<0.025 UJ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW26-ROX-010920	1/9/2020		35.45	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW26-ROX-041020	4/10/2020		34.83	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW26-ROX-071420	7/14/2020		33.84	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW26-ROX-101520	10/15/2020		34.56	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW26-ROX-010821	1/8/2021	38.15 - 48.15	35.78	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromomethane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroform	2-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichloroethane	cis-1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Ethyl methacrylate	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene
Screening Values (mg/L)						6.3 [1]	0.005 [1]	0.0098 [2]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]	0.07 [1]	0.14 [3]		0.0002 [1]	0.00005 [1]	0.005 [1]	0.07 [1]	0.005 [1]	0.7 [1]		0.7 [1]		0.07 [1]	0.14 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
MW-27	MW27-ROX-040618	4/6/2018	39.79 - 49.79	40.34	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW27-ROX-070918	7/9/2018		41.16	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW27-ROX-100918	10/9/2018		41.06	NE	<0.025	<0.001	<0.001	<0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.01	<0.001	0.00052 J
	MW27-ROX-011119	1/11/2019		41.06	NE	<0.025	0.0014	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW27-ROX-041519	4/15/2019		40.99	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW27-ROX-070919	7/9/2019		37.65	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW27-ROX-100319	10/3/2019		36.07	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW27-ROX-010720	1/7/2020		36.96	NE	<0.025	<0.001	<0.001 UJ	<0.025 UJ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW27-ROX-041020	4/10/2020		36.82	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW27-ROX-071020	7/10/2020		35.76	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW27-ROX-101320	10/13/2020		35.55	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	MW27-ROX-010821	1/8/2021	39.79 - 49.79	36.67	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-28	MW28-ROX-040618	4/6/2018	33.61 - 43.61	39.25	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0041	<0.001
	MW28-ROX-070918	7/9/2018		40.08	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0016	<0.001
	MW28-ROX-101118	10/11/2018		40.25	NE	<0.025	0.0026	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.005	<0.001
	MW28-ROX-010819	1/8/2019		40.32	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0084	<0.001
	MW28-ROX-040919	4/9/2019		40.42	NE	<0.025	0.00083 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0096	<0.001
	MW28-ROX-071019	7/10/2019		37.14	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0048	<0.001
	MW28-ROX-100419	10/4/2019		35.90	NE	<0.025	0.00047 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.035	<0.001
	MW28-ROX-011020	1/10/2020		36.55	NE	0.014 J	0.0067	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	0.0015	<0.001	<0.001	<0.001	0.0023	<0.025	0.079	<0.001
	MW28-ROX-041620	4/16/2020		36.25	NE	<0.025	0.012	<0.001	<0.025	<0.001	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	0.0013	<0.001	<0.001	<0.001	0.00095 J	<0.025	0.05	<0.001
	MW28-ROX-071620	7/16/2020		35.06	NE	<0.025	0.098	<0.001	<0.025	<0.001	0.0017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	0.0017	<0.001	<0.001	<0.001	0.0015	<0.025	0.14	<0.001
	MW28-ROX-101920	10/19/2020		35.10	NE	<0.025	0.0052	<0.001	<0.025	<0.001	0.0022	0.00071 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.045	0.001
	MW28-ROX-011421	1/14/2021	33.61 - 43.61	35.82	NE	<0.025	0.034	<0.001	<0.025	<0.001	0.0013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	0.00054 J	<0.025	0.027	<0.001
P-54	P54-ROX-040618	4/6/2018	38.00 - 63.00	40.05	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P54-ROX-070618	7/6/2018		40.51	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P54-ROX-100518	10/5/2018		40.46	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P54-ROX-011019	1/10/2019		40.37	NE	<0.025	0.00065 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P54-ROX-041119	4/11/2019		39.91	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P54-ROX-070919	7/9/2019		35.60	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P54-ROX-100419	10/4/2019		35.22	NE	<0.025 UJ	<0.001	<0.001	<0.025 UJ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P54-ROX-010720	1/7/2020		36.29	NE	<0.025	<0.001	<0.001 UJ	<0.025 UJ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P54-ROX-010720-PCP	1/7/2020		36.29	NE																							
	P54-ROX-040920	4/9/2020		35.94	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000033	<0.000022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P54-ROX-071020	7/10/2020		34.76	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P54-ROX-101320	10/13/2020		35.36	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P54-ROX-011121	1/11/2021	38.00 - 63.00	36.68	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
P-56	P56-ROX-041118	4/11/2018	40.82 - 65.82	44.40	NE	0.099	0.0057	<0.001	0.018 J	0.00092 J	0.0016	<0.001	0.001	<0.001	<0.001	<0.001	0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.0014	<0.001	0.02	<0.025	<0.001	0.0019
	P56-ROX-071118	7/11/2018		45.25	NE	0.038	0.0044	<0.001	<0.025 U	0.0014	0.0018	<0.001	<0.001	<0.001	<0.001	<0.001	0.0015	<0.000031	<0.000021	<0.001	<0.001	<0.001	0.015	<0.001	0.026	<0.025	<0.001	0.0067
	P56-ROX-101518	10/15/2018		45.37	NE	<0.025	0.002	<0.001	<0.025	<0.001	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001	0.00082 J	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.0012	<0.001	0.014	<0.025	<0.001	<0.001
	P56-ROX-011019	1/10/2019		45.16	NE	<0.025 U	0.0028	<0.001	0.019 J	<0.001	0.0013	<0.001	0.0011	<0.001	<0.001	<0.001	0.0009 J	<0.000029	<0.000019	<0.001	<0.001	<0.001	0.0021	<0.001	0.016	<0.025	<0.001	0.0022
	P56-ROX-041719	4/17/2019		44.38	NE	<0.025	0.005	<0.001	<0.025	<0.001	0.0018	<0.001	0.0012	<0.001	<0.001	<0.001	0.0015	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.014	<0.001	0.026	<0.025	<0.001	0.0043
	P56-ROX-071219	7/12/2019		40.50	NE	0.099	0.0064	<0.001	0.11	0.0024	0.0026	<0.001	0.0009 J	<0.001	<0.001	<0.001	0.0019	<0.000029	<0.000019	<0.001	<0.001	<0.001	0.18	0.004	0.029	0.018 J	<0.001	0.027
	P56-ROX-101519	10/15/2019		39.60	NE	0.021 J	0.0021	<0.001	0.0069 J	0.0036	0.0022	<0.001	0.00095 J	<0.001	0.0029	<0.001	0.0011	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.021	<0.001	0.019	<0.025	<0.001	0.013
	P56-ROX-010820	1/8/2020		41.31	NE	<0.025	0.0014	<0.001	0.0094 J	0.00094 J	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	0.0011	<0.000031	<0.000021	<0.001	<0.001	<0.001	0.0017	<0.001	0.02	<0.025	<0.001	0.0018
	P56-ROX-041620	4/16/2020		40.49	NE	0.074	0.0038	<0.001	0.015 J	0.0018	0.0029	<0.001	<0.001	<0.001	0.0021	<0.001	0.0016	<0.000029	<0.000019	<0.001	<0.001	<0.001	0.069	<0.001	0.028	<0.025	<0.001	0.018
	P56-ROX-071520	7/15/2020		39.43	NE	<0.025	0.0017	<0.001	<0.025	0.00083 J	0.0015	<0.001	<0.001	<0.001	<0.001	<0.001	0.00083 J	<0.000031	<0.00002	<0.001	<0.001	<0.001	0.023	<0.001	0.012	<0.025	<0.001	0.011
	P56-ROX-102120	10/21/2020		40.09	NE	<0.025	0.00069 J	<0.001	0.0043 J	<0.001	0.0016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	0.0043	<0.001	0.0099	<0.025	<0.001	0.0033
	P56-ROX-011221	1/12/2021	40.82 - 65.82	41.04	NE	<0.025	0.00042 J	<0.001	0.0068 J	<0.001	0.0015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	0.0007 J	<0.001	0.012	<0.025	<0.001	<0.001

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																					
						Acetone	Benzene	Bromomethane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroform	2-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichloroethane	cis-1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Ethyl methacrylate	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene
Screening Values (mg/L)						6.3 [1]	0.005 [1]	0.0098 [2]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]	0.07 [1]	0.14 [3]		0.0002 [1]	0.00005 [1]	0.005 [1]	0.07 [1]	0.005 [1]	0.7 [1]		0.7 [1]		0.07 [1]	0.14 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
P-57	P57-ROX-041018	4/10/2018	44.19 - 54.19	45.45	NE	<1.3	8.8	<0.05	<1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00003	<0.00002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1.3	<0.05	<0.05
	P57-ROX-071118	7/11/2018		45.76	NE	<1.3	5 J	<0.05	<1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00003	<0.00002	<0.05	<0.05	<0.05	0.032 J	<0.05	0.028 J	<1.3	<0.05	0.076
	P57-ROX-071118-DUP	7/11/2018		45.76	NE	<1.3	8.8 J	<0.05	<1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00003	<0.00002	<0.05	<0.05	<0.05	0.036 J	<0.05	<0.05	<1.3	<0.05	0.071
	P57-ROX-101618	10/16/2018		45.86	NE	<5	34	<0.2	<5	<0.2	<0.2	<0.2	0.1 J	<0.2	<0.2	<0.2	<0.2	<0.000029	<0.000019	<0.2	<0.2	<0.2	0.15 J	<0.2	<0.2	<5	<0.2	<0.2
	P57-ROX-101618-DUP	10/16/2018		45.86	NE	<5	34	<0.2	<5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.000029	<0.000019	<0.2	<0.2	<0.2	0.14 J	<0.2	<0.2	<5	<0.2	<0.2
	P57-ROX-011419	1/14/2019		45.63	NE	<2.5	28	<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.000031	<0.00002	<0.1	<0.1	<0.1	0.18	<0.1	<0.1	<2.5	<0.1	<0.1
	P57-ROX-011419-DUP	1/14/2019		45.63	NE	<2.5	23	<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.000031	<0.00002	<0.1	<0.1	<0.1	0.14	<0.1	<0.1	<2.5	<0.1	<0.1
	P57-ROX-041719	4/17/2019		44.89	NE	<1.3	9.8 J	<0.05	<1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00003	<0.00002	<0.05	<0.05	<0.05	0.034 J	<0.05	0.031 J	<1.3	<0.05	<0.05
	P57-ROX-041719-DUP	4/17/2019		44.89	NE	<1.3	7.4 J	<0.05	<1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00003	<0.00002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1.3	<0.05	<0.05
	P57-ROX-071519	7/15/2019		40.82	NE	<0.63	15	<0.025	<0.63	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.00003	<0.00002	<0.025	<0.025	<0.025	0.035	<0.025	0.023 J	<0.63	<0.025	0.066
	P57-ROX-071519-DUP	7/15/2019		40.82	NE	<0.63	16	<0.025	<0.63	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.00003	<0.00002	<0.025	<0.025	<0.025	0.036	<0.025	0.024 J	<0.63	<0.025	0.068
	P57-ROX-101519	10/15/2019		40.18	NE	<0.5	2.3	<0.02	<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.000028	<0.000019	<0.02	<0.02	<0.02	0.012 J	<0.02	0.022	<0.5	<0.02	0.075
	P57-ROX-101519-DUP	10/15/2019		40.18	NE	<0.5	2.3	<0.02	<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.000029	<0.00002	<0.02	<0.02	<0.02	<0.02	<0.02	0.033	<0.5	<0.02	0.067
	P57-ROX-010920	1/9/2020		41.77	NE	<0.13	1.3	<0.005	<0.13	<0.005	<0.005	0.0044 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.000032	<0.000022	<0.005	<0.005	<0.005	0.0054	<0.005	0.014	<0.13	<0.005	0.049
	P57-ROX-041720	4/17/2020		40.70	NE	<0.25	2.5	<0.01	<0.25	<0.01	<0.01	0.0072 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000029	<0.00002	<0.01	<0.01	<0.01	0.0062 J	<0.01	0.019	<0.25	<0.01	0.069
	P57-ROX-041720-DUP	4/17/2020		40.70	NE	<0.25	2.8	<0.01	<0.25	<0.01	<0.01	0.008 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000029	<0.000019	<0.01	<0.01	<0.01	0.0069 J	<0.01	0.021	<0.25	<0.01	0.077
	P57-ROX-071620	7/16/2020		40.15	NE	<0.25	1.5 J	<0.01	<0.25	<0.01	<0.01	0.0075 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000029	<0.000019	<0.01	<0.01	<0.01	0.0052 J	<0.01	0.02	<0.25	<0.01	0.098
	P57-ROX-071620-DUP	7/16/2020		40.15	NE	<0.25	2.5 J	<0.01	<0.25	<0.01	0.0074 J	0.0094 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000031	<0.00002	<0.01	<0.01	<0.01	0.0077 J	<0.01	0.025	<0.25	<0.01	0.097
	P57-ROX-102020	10/20/2020		40.84	NE	<0.05	0.48 J	<0.002	<0.05	0.0041	0.0062	0.0068	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000029	<0.00002	<0.002	<0.002	<0.002	0.0031	<0.002	0.023	<0.05	<0.002	0.078 J
	P57-ROX-102020-DUP	10/20/2020		40.84	NE	<0.25	2 J	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000031	<0.00002	<0.01	<0.01	<0.01	0.0085 J	<0.01	0.018	<0.25	<0.01	0.056 J
	P57-ROX-011321	1/13/2021	44.19 - 54.19	41.70	NE	<0.025	0.11 J	<0.001	0.003 J	0.003 H J	0.0053	0.0061	<0.001	<0.001	<0.001	<0.001	0.00074 J *+ J	<0.000031	<0.00002	<0.001	<0.001	<0.001	0.0015	<0.001	0.023	<0.025	<0.001	0.055
	P57-ROX-011321-DUP	1/13/2021		41.70	NE	<0.025	0.27 J	<0.001	0.0031 J	0.003 H J	0.0051	0.0059	<0.001	<0.001	<0.001	<0.001	0.00078 J *+ J	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.0022	<0.001	0.023	<0.025	<0.001	0.062
P-58	P58-ROX-041118	4/11/2018	40.21 - 65.21	43.19	NE	<50	220	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	<0.00003 UJ	<0.00002	<2	<2	<2	<2	<2	<2	<50	<2	<2
	P58-ROX-041118-DUP	4/11/2018		43.19	NE	<50	240	<2	<50	<2	<2	<2	<2	<2	<2	<2	<2	0.00013 * J	<0.000021	<2	<2	<2	<2	<2	<2	<50	<2	<2
	P58-ROX-101618	10/16/2018		43.66	NE	<25	190	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<0.000029	<0.000019	<1	<1	<1	<1	<1	<1	<25	<1	<1
	P58-ROX-041719	4/17/2019		42.49	NE	<25	140	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<0.00003	<0.00002	<1	<1	<1	<1	<1	<1	<25	<1	<1
	P58-ROX-071519	7/15/2019		38.43	NE	<5	87	<0.2	<5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.00003	<0.00002	<0.2	<0.2	<0.2	0.14 J	<0.2	<0.2	<5	<0.2	<0.2
	P58-ROX-071519-DUP	7/15/2019		38.43	NE	<5	86	<0.2	<5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.000031	<0.000021	<0.2	<0.2	<0.2	0.13 J	<0.2	<0.2	<5	<0.2	<0.2
P-59	P59-ROX-041218	4/12/2018	47.91 - 72.91	45.13	NE	<0.5	3.2	0.02	<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.000032 p *	<0.000018	<0.02	<0.02	<0.02	0.77	<0.02	0.029	<0.5	<0.02	0.15
	P59-ROX-071118	7/11/2018		46.16	NE	<0.63	3.7	<0.025	<0.63	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.000031	<0.000021	<0.025	<0.025	<0.025	0.77	<0.025	0.038	<0.63	<0.025	0.14
	P59-ROX-101618	10/16/2018		45.99	NE	0.52	2.3	<0.01	0.11 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000029	<0.00002	<0.01	<0.01	<0.01	1.1	<0.01	0.042	<0.25	<0.01	0.16
	P59-ROX-011419	1/14/2019		46.10	NE	<0.25	3	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000029	<0.00002	<0.01	<0.01	<0.01	1.3	<0.01	0.061	<0.25	<0.01	0.12
	P59-ROX-101519	10/15/2019		40.46	NE	<0.25	2.1	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000029	<0.00002	<0.01	<0.01	<0.01	0.86	<0.01	0.041	<0.25	<0.01	0.15
	P59-ROX-010920	1/9/2020		42.14	NE	<0.25	1.6	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00003	<0.00002	<0.01	<0.01	<0.01	0.25	<0.01	0.029	<0.25	<0.01	0.14
	P59-ROX-042120	4/21/2020		41.45	NE	<0.5	2.3	<0.02	<0.5	0.016 J	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.000029	<0.00002	<0.02	<0.02	<0.02	1.6	<0.02	0.074	<0.5	<0.02	0.15
	P59-ROX-071620	7/16/2020		40.36	NE	<0.25	1.2	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00003	<0.00002	<0.01	<0.01	<0.01	0.19	<0.01	0.042	<0.25	<0.01	0.21
	P59-ROX-102020	10/20/2020		40.72	NE	<0.25	1.6	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000031	<0.00002	<0.01	<0.01	<0.01	0.15	<0.01	0.029	<0.25	<0.01	0.099
	P59-ROX-011321	1/13/2021	47.91 - 72.91	41.68	NE	<0.25	2.1	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000031	<0.00002	<0.01	<0.01	<0.01	0.14	<0.01	0.019	<0.25	<0.01	0.1
P-66	P66-ROX-041018	4/10/2018	34.72 - 59.72	34.93	NE	0.013 J	0.015	<0.001	<0.025	0.0045	0.0082	0.0037	<0.001	0.0006 J	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.00056 J	<0.001	0.065	<0.025	0.0064	<0.001
	P66-ROX-071118	7/11/2018		35.10	NE	0.025	0.015	<0.001	0.0032 J	0.0011	0.0025	0.0016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	0.025	<0.025	0.0055	<0.001
	P66-ROX-071118-DUP	7/11/2018		35.10	NE	0.023 J	0.017	<0.001	0.0027 J	0.0013	0.0028	0.0018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	0.026	<0.025	0.0053	<0.001
	P66-ROX-101518	10/15/2018		35.31	NE	<0.025 UJ	0.052	<0.001 UJ	<0.025 UJ	0.0036	0.008 J	0.0023	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.000031 UJ	<0.000021 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	0.00072 J	<0.001 UJ	0.054	<0.025 UJ	<0.001 UJ	<0.001 UJ
	P66-ROX-101518-DUP	10/15/2018		35.31	NE	<0.025 UJ	0.057	<0.001 UJ	<0.025 UJ	0.005	0.011 J	0.0028	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.000031 UJ	<0.000021 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	0.00082 J	<0.001 UJ	0.068	<0.025 UJ	<0.001 UJ	<0.001 UJ
	P66-ROX-010919	1/9/2019		34.99	NE	<0.025	0.048	<0.001	<0.025	0.0037	0.0082	0.0024	<0.001	0.00052 J	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	0.0008 J	<0.001	0.074	<0.025	0.0028	0.0021
	P66-ROX-041619	4/16/2019		34.08	NE	0.029	0.00084 J	<0.001	0.01 J	0.0017	0.0029	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	0.015	<0.025	0.0087	0.0068
	P66-ROX-071019	7/10/2019		30.00	NE	<0.025	0.0017	<0.001	<0.025	0.0018	0.0046	0.0038	<0.001	0.00054 J	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	0.0011	<0.001	0.048	<0.025	<0.001	0.12
	P66-ROX-101119	10/11/2019		29.52	NE	<0.025	0.00064 J	<0.001	<0.025	0.003	0.0061	0.0041	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	0.00069 J	<0.001	0.048	<0.025	<0.001	0.087
	P66-ROX-010720	1/7/2020		31.09	NE	<0.025	0.00059 J	<0.001 UJ	<0.025 UJ	0.0018	0.0029	0.0021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	0.028	<0.025	<0.001	0.047
	P66-ROX-041420	4/14/2020		30.12	NE	<0.025	0.13	<0.001	<0.025	0.0024	0.005	0.0022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	0.04	<0.025	<0.001	0.01
	P66-ROX-071320	7/13/2020		29.51	NE	<0.025	0.00095 J	<0.001	<0.025	0.0032	0.0065	0.0044	<0.001	0.0005 J	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.00062 J	<0.001	0.06	<0.025	<0.001	0.073
	P66-ROX-101620	10/16/2020		30.39	NE	<0.025	0.00086 J	<0.001	<0.025	0.0067	0.017	0.0092	<0.001	0.00066 J	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	0.0013	<0.001	0.11	<0.025	<0.001	0.094
	P66-ROX-101620-DUP	10/16/2020		30.39	NE	<0.025	0.00082 J	<0.001	<0.025	0.0059	0.018	0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.0016	<0.001	0.12	<0.025	<0.001	0.099
	P66-ROX-011121	1/11/2021	34.72 - 59.72	31.39	NE	<0.025	0.00081 J	<0.001	<0.025	0.0056	0.012	0.0057	0.001	0.00051 J	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	0.00069 J	<0.001	0.07	<0.025	<0.001	0.02

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																				
						Acetone	Benzene	Bromomethane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroform	2-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichloroethane	cis-1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Ethyl methacrylate	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene
Screening Values (mg/L)						6.3 [1]	0.005 [1]	0.0098 [2]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]	0.07 [1]	0.14 [3]		0.0002 [1]	0.00005 [1]	0.005 [1]	0.07 [1]	0.005 [1]	0.7 [1]		0.7 [1]		0.07 [1]	0.14 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																						
P-74	P74-ROX-041018	4/10/2018	43.83 - 68.83	40.69	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P74-ROX-041018-DUP	4/10/2018		40.69	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P74-ROX-071118	7/11/2018		42.22	NE	<0.025	0.015	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0013	<0.001
	P74-ROX-101618	10/16/2018		42.18	NE	<0.025	0.3	<0.001	<0.025	<0.001	<0.001	<0.001	0.0005 J	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	0.0019	<0.001	<0.001	<0.025	0.022	0.0014
	P74-ROX-011019	1/10/2019		42.14	NE	<0.025	0.14	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0015	<0.001
	P74-ROX-041719	4/17/2019		41.57	NE	<0.025 UJ	<0.001	<0.001	<0.025 UJ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P74-ROX-071219	7/12/2019		37.95	NE	<0.025	0.0045	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P74-ROX-101419	10/14/2019		36.74	NE	<0.025	0.033	<0.001	<0.025	<0.001	<0.001	<0.001	0.00067 J	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P74-ROX-010820	1/8/2020		38.40	NE	<0.025	0.014	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P74-ROX-041720	4/17/2020		37.40	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P74-ROX-071420	7/14/2020		36.62	NE	<0.025	0.0018	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000025 J	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P74-ROX-102020	10/20/2020		36.69	NE	<0.025	0.3	<0.001	0.0071 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.0025	<0.001	<0.001	<0.025	0.0049	<0.001
	P74-ROX-011221	1/12/2021	43.83 - 68.83	37.83	NE	<0.025	0.051	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0011	<0.001
P-93A	P93A-ROX-041118	4/11/2018	43.07 - 53.07	NM	NE	<6.3	57	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.000032	<0.000021	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<6.3	<0.25	<0.25
	P93A-ROX-052218	5/22/2018		NM	NE	<5	43	<0.2	<5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5	<0.2	<0.2
	P93A-ROX-071218	7/12/2018		44.03	NE	<5	28	<0.2	<5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.000031	<0.000021	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5	<0.2	<0.2
	P93A-ROX-101618	10/16/2018		44.05	NE	<5	30	<0.2	<5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.000029	<0.00002	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<5	<0.2	<0.2
	P93A-ROX-011419	1/14/2019		43.78	NE	<1.3	14	<0.05	<1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.000029	<0.00002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1.3	<0.05	<0.05
	P93A-ROX-041819	4/18/2019		42.98	NE	<2.5	17	<0.1	<2.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.00003	<0.00002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<2.5	<0.1	<0.1
	P93A-ROX-071519	7/15/2019		38.92	NE	<0.5 UJ	10	<0.02 UJ	<0.5 UJ	<0.02 UJ	<0.02 UJ	<0.02 UJ	<0.02 UJ	<0.02 UJ	<0.02 UJ	<0.02 UJ	<0.02 UJ	<0.00003 UJ	<0.00002 UJ	<0.02 UJ	<0.02 UJ	<0.02 UJ	<0.02 UJ	<0.02 UJ	<0.02 UJ	<0.5 UJ	<0.02 UJ	<0.02 UJ
	P93A-ROX-101519	10/15/2019		38.31	NE	<1.3	220	<0.05	<1.3	<0.05	<0.05	<0.05	0.025 J	<0.05	<0.05	<0.05	<0.05	<0.00003	<0.00002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1.3	<0.05	<0.05
	P93A-ROX-010920	1/9/2020		39.89	NE	<13	56	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.000032	<0.000021	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<13	<0.5	<0.5
	P93A-ROX-010920-DUP	1/9/2020		39.89	NE	<13	57	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.000031	<0.000021	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<13	<0.5	<0.5
	P93A-ROX-041720	4/17/2020		38.79	NE	<6.3	58	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.00003	<0.00002	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<6.3	<0.25	<0.25
	P93A-ROX-071620	7/16/2020		38.36	NE	<25	150	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<0.000031	<0.000021	<1	<1	<1	<1	<1	<1	<25	<1	<1
	P93A-ROX-102220	10/22/2020		39.09	NE	<0.63	5.8	<0.025	<0.63	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.00003	<0.00002	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.63	<0.025	<0.025
	P93A-ROX-102220-DUP	10/22/2020		39.09	NE	<0.63	7	<0.025	<0.63	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.000031	<0.000021	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.63	<0.025	<0.025
	P93A-ROX-011421	1/14/2021	43.07 - 53.07	39.93	NE	<0.025	0.36	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
P-93B	P93B-ROX-041218	4/12/2018	74.88 - 76.88	44.75	NE	<25	120	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<0.000028	<0.000019	<1	<1	<1	<1	<1	<1	<25	<1	<1
	P93B-ROX-041218-DUP	4/12/2018		44.75	NE	<25	130	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<0.000028	<0.000019	<1	<1	<1	<1	<1	<1	<25	<1	<1
	P93B-ROX-071218	7/12/2018		45.36	NE	<25	110 J	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<0.000031	<0.000021	<1	<1	<1	<1	<1	<1	<25	<1	<1
	P93B-ROX-071218-DUP	7/12/2018		45.36	NE	<25	160 J	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<0.000033	<0.000022	<1	<1	<1	<1	<1	<1	<25	<1	<1
	P93B-ROX-101518	10/15/2018		45.64	NE	<50 UJ	1100	<2 UJ	<50 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<0.000029 UJ	<0.00002 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<50 UJ	<2 UJ	<2 UJ
	P93B-ROX-101518-DUP	10/15/2018		45.64	NE	<50 UJ	1200	<2 UJ	<50 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<0.00003 UJ	<0.00002 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<50 UJ	<2 UJ	<2 UJ
	P93B-ROX-011119	1/11/2019		45.15	NE	<130	1300	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<0.000029	<0.000019	<5	<5	<5	<5	<5	<5	<130	<5	<5
	P93B-ROX-011119-DUP	1/11/2019		45.15	NE	<130	1400	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<0.00003	<0.00002	<5	<5	<5	<5	<5	<5	<130	<5	<5
	P93B-ROX-041819	4/18/2019	74.78 - 76.78	44.33	NE	<130	780	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<0.000031	<0.00002	<5	<5	<5	<5	<5	<5	<130	<5	<5
	P93B-ROX-041819-DUP	4/18/2019		44.33	NE	<130	860	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<0.00003	<0.00002	<5	<5	<5	<5	<5	<5	<130	<5	<5
	P93B-ROX-071219	7/12/2019		40.35	NE	<6.3	170 J	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.00003	<0.00002	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<6.3	<0.25	<0.25
	P93B-ROX-071219-DUP	7/12/2019		40.35	NE	<6.3	220 J	<0.25	<6.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.000031	<0.00002	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<6.3	<0.25	<0.25
	P93B-ROX-101519	10/15/2019		39.62	NE	<25	170	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<0.00003	<0.00002	<1	<1	<1	<1	<1	<1	<25	<1	<1
	P93B-ROX-101519-DUP	10/15/2019		39.62	NE	<25	150	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<0.000029	<0.000019	<1	<1	<1	<1	<1	<1	<25	<1	<1
	P93B-ROX-010820	1/8/2020		41.48	NE	<13	94	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.000038	<0.000025	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<13	<0.5	<0.5
	P93B-ROX-010820-DUP	1/8/2020		41.48	NE	<13	100	<0.5	<13	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.00003	<0.00002	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<13	<0.5	<0.5
	P93B-ROX-042020	4/20/2020		40.23	NE	<25	160 J	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<0.000032	<0.000021	<1	<1	<1	<1	<1	<1	<25	<1	<1
	P93B-ROX-042020-DUP	4/20/2020		40.23	NE	<25	120 J	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<0.00003	<0.00002	<1	<1	<1	<1	<1	<1	<25	<1	<1
	P93B-ROX-071620	7/16/2020		39.75	NE	<25	110	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<0.000031	<0.000021	<1	<1	<1	<1	<1	<1	<25	<1	<1
	P93B-ROX-071620-DUP	7/16/2020		39.75	NE	<25	100	<1	<25	<1	<1	<1	<1	<1	<1	<1	<1	<0.000031	<0.00002	<1	<1	<1	<1	<1	<1	<25	<1	<1
	P93B-ROX-102220	10/22/2020		40.46	NE	<63	580	<2.5	<63	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.00003	<0.00002	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<63	<2.5	<2.5
	P93B-ROX-011421	1/14/2021	74.78 - 76.78	41.13	NE	<130	1200	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<0.00003	<0.00002	<5	<5	<5	<5	<5	<5	<130	<5	<5
	P93B-ROX-011421-DUP	1/14/2021		41.13	NE	<130	1100	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<0.00003	<0.00002	<5	<5	<5	<5	<5	<5	<130	<5	<5
P-93C	P93C-ROX-041118	4/11/2018	92.88 - 97.88	44.69	NE	0.011 J	0.055	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0035	<0.001
	P93C-ROX-071218	7/12/2018		45.22	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0042	<0.001
	P93C-ROX-101518	10/15/2018		45.31	NE	<0.25	1.9	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00003	<0.00002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.25	0.0086 J	<0.01
	P93C-ROX-011019	1/10/2019		45.01	NE	<0.5	5.8	<0.02	<0.5	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.000029	<0.00002	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.5	<0.02	<0.02
	P93C-ROX-041819	4/18/2019		44.15	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0013	<0.001
	P93C-ROX-071219	7/12/2019		40.18	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0022	<0.001
	P93C-ROX-101419	10/14/2019		39.65	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	0.0005 J	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0008 J	<0.001
	P93C-ROX-010820	1/8/2020		41.30	NE	<0.025	0.00039 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0029	<0.001
	P93C-ROX-041620	4/16/2020		40.17	NE	<0.025	0.0004 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.003	<0.001
	P93C-ROX-071420	7/14/2020		39.45	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P93C-ROX-102120	10/21/2020		40.36	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.00077 J	<0.001
	P93C-ROX-011121	1/11/2021	92.88 - 97.88	41.24	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0011	<0.001

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																				
						Acetone	Benzene	Bromomethane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroform	2-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichloroethane	cis-1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Ethyl methacrylate	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene
Screening Values (mg/L)						6.3 [1]	0.005 [1]	0.0098 [2]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]	0.07 [1]	0.14 [3]		0.0002 [1]	0.00005 [1]	0.005 [1]	0.07 [1]	0.005 [1]	0.7 [1]		0.7 [1]		0.07 [1]	0.14 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																						
P-93D	P93D-ROX-041218	4/12/2018	125.75 - 127.75	45.95	NE	<0.025	0.038	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000027	<0.000018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.002	<0.001
	P93D-ROX-071218	7/12/2018		45.57	NE	<0.025	0.15	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	0.0038	<0.001	<0.001	<0.001	<0.025	0.0021	<0.001
	P93D-ROX-101518	10/15/2018		45.70	NE	<0.025	0.0044	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0031	<0.001
	P93D-ROX-011119	1/11/2019		45.31	NE	<0.025	0.035	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	0.0007 J	<0.001	<0.001	<0.001	<0.025	0.0042	<0.001
	P93D-ROX-041819	4/18/2019		44.50	NE	<0.025	0.03	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	0.0015	<0.001	0.0025	<0.001	<0.001	<0.001	<0.025	0.0028	<0.001
	P93D-ROX-071219	7/12/2019		40.53	NE	<0.025	0.0012	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.002	<0.001
	P93D-ROX-101519	10/15/2019		39.88	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	0.00062 J	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0028	<0.001
	P93D-ROX-010820	1/8/2020		41.68	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0031	<0.001
	P93D-ROX-042020	4/20/2020	125.66 - 127.66	40.41	NE	<0.025	0.00085 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000034	<0.000023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0017	<0.001
	P93D-ROX-071320	7/13/2020		39.87	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000034	<0.000022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0013	<0.001
	P93D-ROX-102220	10/22/2020		40.63	NE	<0.025	<0.001	<0.001	<0.025	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001	<0.001 UJ	<0.001	<0.001 UJ	<0.001 UJ	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001 UJ	<0.001 UJ	<0.025	0.00095 J	<0.001
	P93D-ROX-011321	1/13/2021	125.66 - 127.66	41.40	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0012	<0.001 H UJ
P-114R	P114R-ROX-040618	4/6/2018	23.01 - 33.01	26.76	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0021	<0.001
	P114R-ROX-070918	7/9/2018		26.38	NE	0.013 J	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0024	<0.001
	P114R-ROX-101118	10/11/2018		26.27	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.00082 J	<0.001
	P114R-ROX-101118-DUP	10/11/2018		26.27	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0009 J	<0.001
	P114R-ROX-010719	1/7/2019		25.88	NE	<0.025	0.0082	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P114R-ROX-041519	4/15/2019		24.70	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P114R-ROX-041519-DUP	4/15/2019		24.70	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	0.00063 J	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P114R-ROX-070919	7/9/2019		19.48	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0045	<0.001
	P114R-ROX-100919	10/9/2019		20.46	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	P114R-ROX-010620	1/6/2020		22.15	NE	<0.025	<0.001	<0.001 UJ	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000034	<0.000023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0019	<0.001
	P114R-ROX-010620-PCP	1/6/2020		22.15	NE																							
	P114R-ROX-040720	4/7/2020		21.49	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0048	<0.001
	P114R-ROX-040720-RE	4/7/2020		21.49	NE																							
	P114R-ROX-070920	7/9/2020		20.40	NE	0.01 J	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0023	<0.001
	P114R-ROX-101420	10/14/2020		22.27	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0018	<0.001
	P114R-ROX-010821	1/8/2021	23.01 - 33.01	23.81	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0019	<0.001
ROST-3-MW	ROST3MW-ROX-040618	4/6/2018	37.81 - 47.81	39.98	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST3MW-ROX-070518	7/5/2018		40.74	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST3MW-ROX-100918	10/9/2018		40.72	NE	<0.025	<0.001	<0.001	<0.05	<0.001	0.00047 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0001	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.01	<0.001	<0.01	<0.001	0.00093 J
	ROST3MW-ROX-011019	1/10/2019		40.62	NE	<0.025	0.0007 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST3MW-ROX041219	4/12/2019		40.40	NE	<0.025	0.00047 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	0.0031	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST3MW-ROX-071119	7/11/2019		36.38	NE	<0.025	0.0081	<0.001	0.0034 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	0.015	<0.001	0.0021	<0.025	<0.001	0.0045
	ROST3MW-ROX-101419	10/14/2019		35.57	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	0.00062 J	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST3MW-ROX-010920	1/9/2020		36.56	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST3MW-ROX-041020	4/10/2020		36.33	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST3MW-ROX-071320	7/13/2020		34.98	NE	<0.025	0.0033	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.0028	<0.001	0.0012	<0.025	<0.001	0.0032
	ROST3MW-ROX-101920	10/19/2020		35.35	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	0.00067 J	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST3MW-ROX-010821	1/8/2021	37.81 - 47.81	36.49	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
ROST-4-PZ(C)	ROST4PZC-ROX-040918	4/9/2018	34.95 - 44.95	40.13	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST4PZC-ROX-070918	7/9/2018		40.87	NE	<0.025	0.0018	<0.001	<0.025	<0.001	<0.001	<0.001	0.00069 J	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.0011	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST4PZC-ROX-101218	10/12/2018		40.91	NE	0.027	0.0085	<0.001	0.0083 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.061	<0.001	0.0016	<0.025	<0.001	0.031
	ROST4PZC-ROX-010919	1/9/2019		40.89	NE	<0.025	0.006	<0.001	<0.025	<0.001	<0.001	<0.001	0.0012	<0.001	<0.001	<0.001	<0.001	<0.000028	<0.000019	<0.001	<0.001	<0.001	0.034	<0.001	0.0029	<0.025	<0.001	0.044
	ROST4PZC-ROX-041619	4/16/2019		40.69	NE	<0.025	0.006	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.033	<0.001	0.0033	<0.025	<0.001	0.037
	ROST4PZC-ROX-071219	7/12/2019		37.64	NE	0.38	0.0077	<0.001	<0.025	0.0008 J	<0.001	<0.001	0.00059 J	<0.001	<0.001	<0.001	0.0008 J	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.12	<0.001	0.0064	<0.025	<0.001	0.092
	ROST4PZC-ROX-101419	10/14/2019		35.97	NE	<0.025	0.0047	<0.001	0.014 J	<0.001	0.0012	<0.001	0.00051 J	<0.001	<0.001	<0.001	0.0011	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.038	<0.001	0.0089	<0.025	<0.001	0.064
	ROST4PZC-ROX-010720	1/7/2020		36.95	NE	<0.025	0.0014	<0.001 UJ	<0.025 UJ	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000032	<0.000021	<0.001	<0.001	<0.001	0.017	<0.001	0.0021	<0.025	<0.001	0.022
	ROST4PZC-ROX-041520	4/15/2020		36.71	NE	<0.025	0.0047	<0.001	0.003 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.00071 J	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.047	<0.001	0.006	<0.025	<0.001	0.055
	ROST4PZC-ROX-071520	7/15/2020		35.49	NE	<0.025	0.0046	<0.001	<0.025	<0.001	<0.001	<0.001	0.0014	<0.001	<0.001	<0.001	0.0008 J	<0.000031	<0.000021	<0.001	<0.001	<0.001	0.033	<0.001	0.0055	<0.025	<0.001	0.063
	ROST4PZC-ROX-071520-DUP	7/15/2020		35.49	NE	<0.025	0.0047	<0.001	<0.025	<0.001	<0.001	<0.001	0.00074 J	<0.001	<0.001	<0.001	0.00089 J	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.036	<0.001	0.0061	<0.025	<0.001	0.068
	ROST4PZC-ROX-101920	10/19/2020		35.51	NE	<0.025	0.0039	<0.001	<0.025	<0.001	0.00081 J	<0.001	<0.001	<0.001	<0.001	<0.001	0.00093 J	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.022	<0.001	0.0075	<0.025	<0.001	0.055
	ROST4PZC-ROX-011421	1/14/2021	34.95 - 44.95	36.44	NE	<0.025	0.0048	<0.001	<0.025	0.001	0.00072 J	<0.001	0.00067 J	<0.001	<0.001	<0.001	0.0011	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.016	<0.001	0.0071	<0.025	<0.001	0.089

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs																						
						Acetone	Benzene	Bromomethane	2-Butanone	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon disulfide	Chlorobenzene	Chloroform	2-Chlorotoluene	Cymene (p-Isopropyltoluene)	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dibromoethane	1,2-Dichloroethane	cis-1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Ethyl methacrylate	Isopropylbenzene (Cumene)	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	Methyl tert-Butyl Ether (MTBE)	Naphthalene
Screening Values (mg/L)						6.3 [1]	0.005 [1]	0.0098 [2]	4.2 [1]	0.35 [3]	0.7 [3]	0.7 [3]	0.7 [1]	0.100 [1]	0.07 [1]	0.14 [3]		0.0002 [1]	0.00005 [1]	0.005 [1]	0.07 [1]	0.005 [1]	0.7 [1]		0.7 [1]		0.07 [1]	0.14 [1]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																						
ROST-4-PZ(E)	ROST4PZE-ROX-040918	4/9/2018	34.75 - 44.75	38.93	NE	0.053	0.014	<0.001	0.039	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.000041 p	<0.00002	<0.001	<0.001	<0.001	0.0025	<0.001	0.0018	<0.025	<0.001	0.023
	ROST4PZE-ROX-071018	7/10/2018		39.52	NE	<0.025	0.011	<0.001	0.036	0.0013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	0.0069	<0.001	0.0023	<0.025	<0.001	0.015
	ROST4PZE-ROX-101518	10/15/2018		39.76	NE	<0.025 UJ	0.0011	<0.001 UJ	<0.025 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	0.00071 J	<0.000031 UJ	<0.000021 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.025 UJ	<0.001 UJ	0.0015
	ROST4PZE-ROX-010719	1/7/2019		39.72	NE	<0.025	0.0011	<0.001	0.0065 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.00051 J	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST4PZE-ROX-041219	4/12/2019		39.55	NE	<0.025	0.0038	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.0028	<0.001	<0.001	<0.025	<0.001	0.0027
	ROST4PZE-ROX-041219-DUP	4/12/2019		39.55	NE	<0.025	0.0035	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	0.0021	<0.001	<0.001	<0.025	<0.001	0.0026
	ROST4PZE-ROX-071219	7/12/2019		NM	NE	0.38	0.11	<0.001	0.0099 J	<0.001	0.00098 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000033	<0.000022	<0.001	<0.001	<0.001	0.13	<0.001	0.0076	<0.025	<0.001	0.094
	ROST4PZE-ROX-101519	10/15/2019		35.01	NE	<0.025	0.19	<0.001	<0.025	<0.001	0.0019	<0.001	0.00065 J	0.00057 J	<0.001	<0.001	0.0011	<0.000027	<0.000018	<0.001	<0.001	<0.001	0.52	<0.001	0.017	<0.025	<0.001	0.16
	ROST4PZE-ROX-010720	1/7/2020		36.10	NE	0.047 J	0.037	<0.002 UJ	0.034 J * J	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0086	<0.002	<0.000038	<0.000025	<0.002	<0.002	<0.002	0.19	<0.002	0.0054	<0.05	<0.002	0.12
	ROST4PZE-ROX-041620	4/16/2020		35.90	NE	<0.13	0.088	<0.005	<0.13	<0.005	<0.005	<0.005	0.0025 J	<0.005	<0.005	<0.005	<0.005	<0.000031	<0.000021	<0.005	0.0039 J	<0.005	0.43	<0.005	0.016	<0.13	<0.005	0.14
	ROST4PZE-ROX-071720	7/17/2020		34.73	NE	<0.05	0.097	<0.002	<0.05	0.0028	0.0019 J	<0.002	<0.002	0.001 J	<0.002	<0.002	0.0016 J	<0.000038	<0.000025	<0.002	<0.002	<0.002	0.39	<0.002	0.017	<0.05	<0.002	0.13
	ROST4PZE-ROX-071720-DUP	7/17/2020		34.73	NE	<0.05	0.098	<0.002	<0.05	0.0026	0.0019 J	<0.002	<0.002	<0.002	<0.002	<0.002	0.0015 J	<0.000034	<0.000023	<0.002	<0.002	<0.002	0.39	<0.002	0.016	<0.05	<0.002	0.15
	ROST4PZE-ROX-101920	10/19/2020		34.59	NE	<0.13	0.097	<0.005	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.000032	<0.000021	<0.005	<0.005	<0.005	0.41	<0.005	0.015	<0.13	<0.005	0.15
ROST-4-PZ(G)	ROST4PZG-ROX-040918	4/9/2018	34.28 - 44.28	40.07	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	0.00053 J	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST4PZG-ROX-070918	7/9/2018		40.81	NE	<0.025	0.0037	<0.001	<0.025	<0.001	<0.001	<0.001	0.00054 J	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST4PZG-ROX-101218	10/12/2018		40.93	NE	<0.025	0.0011	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST4PZG-ROX-010719	1/7/2019		40.49	NE	<0.025	0.00041 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST4PZG-ROX-041119	4/11/2019		40.35	NE	<0.025	0.00048 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST4PZG-ROX-071219	7/12/2019		36.60	NE	<0.025	<0.001	<0.001	0.005 J	<0.001	<0.001	<0.001	0.0021	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST4PZG-ROX-100719	10/7/2019		35.69	NE	<0.025	0.0006 J	<0.001	<0.025	<0.001	<0.001	<0.001	0.0037	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST4PZG-ROX-011320	1/13/2020		37.07	NE	<0.025	0.00055 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST4PZG-ROX-041520	4/15/2020		36.28	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST4PZG-ROX-041520-DUP	4/15/2020		36.28	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST4PZG-ROX-071320	7/13/2020		35.09	NE	0.066	0.0007 J	<0.001	0.05	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	0.00075 J	<0.001	0.0011	0.015 J	<0.001	<0.001
	ROST4PZG-ROX-101620	10/16/2020		35.41	NE	<0.025	0.0018	<0.001	<0.025	<0.001	0.00078 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000031	<0.000021	<0.001	<0.001	<0.001	0.0056	<0.001	0.0051	<0.025	<0.001	<0.001
	ROST4PZG-ROX-011321	1/13/2021	34.28 - 44.28	36.30	NE	<0.025	0.00038 J	<0.001	<0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
T-12	T12-ROX-041218	4/12/2018	46.83 - 72.83	43.03	NE	<0.25	1.7	0.012	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000028	<0.000019	<0.01	<0.01	<0.01	0.095	<0.01	0.018	<0.25	0.016	0.087
	T12-ROX-071118	7/11/2018		44.12	NE	<0.25	2.1	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000031	<0.00002	<0.01	<0.01	<0.01	0.12	<0.01	0.03	<0.25	0.012	0.082
	T12-ROX-101618	10/16/2018		43.90	NE	<0.25	2.2	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000029	<0.000019	<0.01	<0.01	<0.01	0.1	<0.01	0.034	<0.25	0.0086 J	0.11
	T12-ROX-011019	1/10/2019		44.00	NE	<0.25	2	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00003	<0.00002	<0.01	<0.01	<0.01	0.039	<0.01	0.0099 J	<0.25	<0.01	0.07
	T12-ROX-041719	4/17/2019		43.38	NE	<0.25	1.8	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000029	<0.00002	<0.01	<0.01	<0.01	0.048	<0.01	0.014	<0.25	<0.01	0.061
	T12-ROX-041719-PCE	4/17/2019		43.38	NE																							
	T12-ROX-071519	7/15/2019		39.74	NE	<0.25	1.7	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00003	<0.00002	<0.01	<0.01	<0.01	0.028	<0.01	0.0095 J	<0.25	<0.01	0.033
	T12-ROX-101519	10/15/2019		38.40	NE	<0.25	2.6	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000031	<0.00002	<0.01	<0.01	<0.01	0.025	<0.01	0.014	<0.25	<0.01	0.043
	T12-ROX-010920	1/9/2020		40.17	NE	<0.25	1.7	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000034	<0.000023	<0.01	<0.01	<0.01	0.034	<0.01	0.0054 J	<0.25	<0.01	0.053
	T12-ROX-010920-DUP	1/9/2020		40.17	NE	<0.25	1.8	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000031	<0.00002	<0.01	<0.01	<0.01	0.037	<0.01	0.0056 J	<0.25	<0.01	0.057
	T12-ROX-041720	4/17/2020		39.44	NE	0.14 J	1.6	<0.01	<0.25	<0.01	<0.01	<0.01	0.0058 J	<0.01	<0.01	<0.01	<0.01	<0.000029	<0.000019	<0.01	<0.01	<0.01	0.022	<0.01	0.0056 J	<0.25	<0.01	0.037
	T12-ROX-071620	7/16/2020		38.30	NE	<0.25	2.1	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00003	<0.00002	<0.01	<0.01	<0.01	0.05	<0.01	0.023	<0.25	<0.01	0.035
	T12-ROX-102120	10/21/2020		38.57	NE	<0.13	1.4	<0.005	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.00003	<0.00002	<0.005	<0.005	<0.005	0.0078	<0.005	0.0033 J	<0.13	0.0071	0.019
	T12-ROX-102120-DUP	10/21/2020		38.57	NE	<0.13	1.5	<0.005	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.000029	<0.000019	<0.005	<0.005	<0.005	0.0083	<0.005	0.003 J	<0.13	0.0071	0.018
	T12-ROX-011221	1/12/2021	46.83 - 72.83	39.48	NE	<0.25	1.6	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000032	<0.000021	<0.01	<0.01	<0.01	0.0074 J	<0.01	<0.01	<0.25	<0.01	0.02
	T12-ROX-011221-DUP	1/12/2021		39.48	NE	<0.25	1.6	<0.01	<0.25	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.000031	<0.000021	<0.01	<0.01	<0.01	0.0072 J	<0.01	<0.01	<0.25	<0.01	0.02

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs									SVOCs													
						n-Propylbenzene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	bis(2-Chloroethoxy)methane	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	p-Chloroaniline
Screening Values (mg/L)						0.7 [3]	0.005 [1]	1.0 [1]	0.07 [3]	0.07 [3]	0.002 [1]	10 [1]		10 [1]	0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]		0.006 [1]	1.4 [2]	0.028 [2]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																						
MW-01	MW1-ROX-040618	4/6/2018	48.80 - 58.80	40.82	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW1-ROX-070618	7/6/2018		41.40	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.032	<0.011	<0.011	<0.011	<0.011
	MW1-ROX-101018	10/10/2018		41.17	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.003	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.048 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	MW1-ROX-010819	1/8/2019		40.96	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002 UJ	<0.0002	<0.03	0.015	<0.01	<0.01	<0.01
	MW1-ROX-041119	4/11/2019		40.50	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	MW1-ROX-071119	7/11/2019		38.16	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	MW1-ROX-101119	10/11/2019		35.72	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0097	<0.0097	<0.0097	<0.0097
	MW1-ROX-010920	1/9/2020		37.09	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096 H UJ	<0.0096	<0.0096
	MW1-ROX-040920	4/9/2020		36.54	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.03 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ
	MW1-ROX-071320	7/13/2020		35.52	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028 UJ	<0.0094	<0.0094	<0.0094	<0.0094
	MW1-ROX-100920	10/9/2020		36.06	NE	<0.001	<0.001	0.0014	0.0021	<0.001	<0.001	0.0036 J	0.0017 J	0.0053 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095 U	<0.0095	<0.0095
	MW1-ROX-011221	1/12/2021	48.80 - 58.80	37.37	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	0.000061 J	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01	<0.01	<0.01
MW-02	MW2-ROX-040918	4/9/2018	49.87 - 59.87	42.10	NE	0.033	<0.001	0.006	0.046	0.038	<0.001	0.12	0.0094	0.13	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW2-ROX-071018	7/10/2018		42.59	NE	0.073	<0.001	0.008	0.013	0.052	<0.001	0.028	0.0031 J	0.031	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.034	<0.011	<0.011 U	<0.011	<0.011
	MW2-ROX-101218	10/12/2018		42.71	NE	0.049	<0.001	0.0049	0.0091 J	0.014	<0.001	0.045 J	0.0053	0.05	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029 UJ	<0.0098 UJ	<0.0098	<0.0098	<0.0098
	MW2-ROX-101218-DUP	10/12/2018		42.71	NE	0.05	<0.001	0.0054	0.012 J	0.014	<0.001	0.058 J	0.0067	0.065	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0097 UJ	<0.0097	<0.0097	<0.0097
	MW2-ROX-010819	1/8/2019		42.43	NE	0.083	<0.002	0.0089	0.031	0.06	<0.002	0.1	0.0096 J	0.11	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002 UJ	<0.0002	<0.03	0.0072 J	<0.0099	<0.0099	<0.0099
	MW2-ROX-010819-DUP	1/8/2019		42.43	NE	0.085	<0.002	0.0085	0.029	0.059	<0.002	0.092	0.0091 J	0.1	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002 UJ	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW2-ROX-041619	4/16/2019		41.80	NE	0.05	<0.005	0.0068	0.16	0.052	<0.005	0.38	0.032	0.41	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW2-ROX-070919	7/9/2019		37.86	NE	0.11	<0.005	0.0092	0.36	0.11	<0.005	0.78	0.063	0.84	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW2-ROX-101019	10/10/2019		36.99	NE	0.081	<0.005	0.0084	0.15	0.068	<0.005	0.38	0.035	0.42	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.038	<0.013	<0.013	<0.013	<0.013
	MW2-ROX-010920	1/9/2020		38.52	NE	0.049	<0.002	0.0063	0.033	0.032	<0.002	0.11	0.013	0.13	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	MW2-ROX-040820	4/8/2020		37.69	NE	0.053	<0.005	0.014	0.18	0.052	<0.005	0.47	0.042	0.51	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.01 H UJ	<0.0096
	MW2-ROX-071520	7/15/2020		36.85	NE	0.091	<0.001	0.0069	0.015	0.041	<0.001	0.016	0.0023 J	0.019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW2-ROX-101620	10/16/2020		37.48	NE	0.14	<0.001	0.0085	0.016	0.035	<0.001	0.047	0.0061	0.053	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094	0.0049 J	<0.0094	<0.0094
	MW2-ROX-011421	1/14/2021	49.87 - 59.87	38.43	NE	0.12 F1 J	<0.001	0.0083	0.018	0.048	<0.001	0.057 F1 J	0.0062	0.063	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.032	<0.011	<0.01 H UJ	<0.011	<0.011
MW-03	MW3-ROX-040518	4/5/2018	34.67 - 44.67	27.98	NE	0.0082	<0.001	0.00095 J	<0.001	<0.001	<0.001	0.005	0.00081 J	0.0058 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW3-ROX-070618	7/6/2018		28.30	NE	0.0087	<0.001	0.0019	<0.001	<0.001	<0.001	0.011	0.0016 J	0.012	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.032	<0.011	<0.011	<0.011	<0.011
	MW3-ROX-100518	10/5/2018		28.18	NE	0.0066	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW3-ROX-010919	1/9/2019		28.05	NE	0.0058	<0.001	0.0027	<0.001	<0.001	<0.001	0.01	0.0011 J	0.011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW3-ROX-040919	4/9/2019		27.50	NE	<0.001	<0.001	0.00056 J	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	MW3-ROX-071019	7/10/2019		22.66	NE	0.036	<0.001	0.014	<0.001	<0.001	<0.001	0.024	0.0022 J	0.026	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01 U	<0.01	<0.01
	MW3-ROX-101419	10/14/2019		22.66	NE	0.01	<0.001	0.0038	<0.001	<0.001	<0.001	0.0069	<0.005	0.0073 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ
	MW3-ROX-011020	1/10/2020		24.02	NE	0.011	<0.001	0.001	<0.001	<0.001	<0.001	0.0019 J	<0.005	0.0019 J	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019 UJ	<0.00019	<0.00019 UJ	<0.00019 UJ	<0.029	<0.0095	<0.0095 H UJ	<0.0095	<0.0095
	MW3-ROX-040820	4/8/2020		23.42	NE	0.0066	<0.001	0.0012	<0.001	<0.001	<0.001	0.0023 J	<0.005	0.0026 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.01 H UJ	<0.0096
	MW3-ROX-071420	7/14/2020		22.48	NE	0.0047	<0.001	0.0013	<0.001	<0.001	<0.001	0.0044 J	0.0006 J	0.005 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0095 H UJ	<0.0096	<0.0096
	MW3-ROX-101520	10/15/2020		23.53	NE	<0.001	<0.001	<0.001	0.00098 J	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094 UJ	<0.0094	<0.0094	<0.0094
	MW3-ROX-010821	1/8/2021	34.67 - 44.67	24.71	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021 U	<0.00021 U	<0.00021 U	<0.00021	<0.00021	<0.031	<0.01	<0.01	<0.01	<0.01
MW-04	MW4-ROX-040918	4/9/2018	45.06 - 55.06	39.32	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW4-ROX-071018	7/10/2018		39.60	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098 U	<0.0098	<0.0098
	MW4-ROX-100818	10/8/2018		39.61	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	MW4-ROX-010719	1/7/2019		39.22	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	0.0069 J	<0.0095	<0.0095
	MW4-ROX-040819	4/8/2019		38.97	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	MW4-ROX-070819	7/8/2019		34.47	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW4-ROX-100819	10/8/2019		34.07	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	MW4-ROX-010620	1/6/2020		35.54	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0096	<0.0096	<0.0096	<0.0096
	MW4-ROX-010620-PCP	1/6/2020		35.54	NE																						
	MW4-ROX-040620	4/6/2020		34.92	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW4-ROX-070820	7/8/2020		33.88	NE	<0.001	<0.001	0.00047 J	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096 U	<0.0096	<0.0096
	MW4-ROX-101220	10/12/2020		34.49	NE	<0.001	<0.001	0.00047 J	<0.001	<0.001	<0.001	<0.005	0.00067 J	0.0021 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094 UJ	<0.0094	<0.0094	<0.0094
	MW4-ROX-011821	1/18/2021	45.06 - 55.06	35.93	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00076	<0.00076	<0.00076	<0.00076	<0.00076	<0.00076	<0.00076	<0.00076	<0.028	<0.0095	<0.0095	<0.0095	<0.0095

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs									SVOCs													
						n-Propylbenzene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	bis(2-Chloroethoxy)methane	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	p-Chloroaniline
Screening Values (mg/L)						0.7 [3]	0.005 [1]	1.0 [1]	0.07 [3]	0.07 [3]	0.002 [1]	10 [1]		10 [1]	0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]		0.006 [1]	1.4 [2]	0.028 [2]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																						
MW-05	MW5-ROX-040918	4/9/2018	33.97 - 43.97	27.78	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW5-ROX-071018	7/10/2018		27.87	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.033	<0.011	<0.011 U	<0.011	<0.011
	MW5-ROX-101218	10/12/2018		27.95	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.032 UJ	<0.011 UJ	<0.011	<0.011	<0.011
	MW5-ROX-010819	1/8/2019		27.65	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002 UJ	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW5-ROX-041519	4/15/2019		26.96	NE	<0.001	<0.001	<0.001	<0.001	<0.001	0.00075 J	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW5-ROX-071219	7/12/2019		22.37	NE	0.0027	<0.001	0.0066	<0.001	<0.001	<0.001	0.012	0.002 J	0.014	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.029 H UJ	<0.0096 H UJ	<0.0096 H UJ	<0.0096 H UJ	<0.0096 H UJ
	MW5-ROX-101519	10/15/2019		22.23	NE	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW5-ROX-010620	1/6/2020		23.68	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0096	<0.0096	<0.0096	<0.0096
	MW5-ROX-041320	4/13/2020		23.11	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.031	<0.01	<0.01	<0.01	<0.01
	MW5-ROX-071420	7/14/2020		22.18	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094	<0.0096 H UJ	<0.0094	<0.0094
	MW5-ROX-101420	10/14/2020		23.10	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095 UJ	<0.0095	<0.0095	<0.0095
	MW5-ROX-011121	1/11/2021	33.97 - 43.97	24.48	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	0.000089 J	0.00007 J	0.000044 J	<0.00021	<0.00021	<0.031	<0.01	<0.01	<0.01	<0.01
MW-06A	MW6A-ROX-040518	4/5/2018	33.85 - 43.85	29.83	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW6A-ROX-070518	7/5/2018		30.10	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.001	<0.001	<0.001	<0.001	<0.031	<0.01	<0.01 U	<0.01	<0.01
	MW6A-ROX-100418	10/4/2018		30.10	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	0.000045 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099 U	<0.0099	<0.0099
	MW6A-ROX-010819	1/8/2019		29.77	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002 UJ	<0.0002	<0.031	<0.01	<0.01	<0.01	<0.01
	MW6A-ROX-040519	4/5/2019		29.34	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW6A-ROX-071119	7/11/2019		24.57	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01 UJ	<0.01 UJ	<0.01
	MW6A-ROX-101019	10/10/2019		24.39	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.038	<0.013	<0.013	<0.013	<0.013
	MW6A-ROX-010820	1/8/2020		26.03	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	0.00018 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0096	<0.0096 UJ	<0.0096 UJ	<0.0096 UJ
	MW6A-ROX-041320	4/13/2020		25.14	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.031	<0.01	<0.01	<0.01	<0.01
	MW6A-ROX-071620	7/16/2020		24.35	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.00034	0.00035	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093	<0.0093 H UJ	<0.0093	<0.0093
	MW6A-ROX-100820	10/8/2020		25.23	NE	<0.001	<0.001	0.0009 J	0.0021	<0.001	<0.001	0.0026 J	0.0012 J	0.0038 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW6A-ROX-010721	1/7/2021	33.85 - 43.85	26.50	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01	<0.01	<0.01
MW-06B	MW6B-ROX-040518	4/5/2018	64.05 - 69.05	29.95	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW6B-ROX-070518	7/5/2018		30.15	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.033	<0.011	<0.011 U	<0.011	<0.011
	MW6B-ROX-100418	10/4/2018		30.13	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.0099	<0.01	<0.01
	MW6B-ROX-010819	1/8/2019		29.83	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW6B-ROX-040519	4/5/2019		29.40	NE	<0.001	<0.001	0.00047 J	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW6B-ROX-071119	7/11/2019		24.62	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01	<0.01 UJ	<0.01
	MW6B-ROX-101019	10/10/2019		24.43	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.038	<0.013	<0.013	<0.013	<0.013
	MW6B-ROX-010820	1/8/2020		26.09	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	MW6B-ROX-010820-PCP	1/8/2020		26.09	NE																						
	MW6B-ROX-041320	4/13/2020		25.19	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW6B-ROX-071620	7/16/2020		24.40	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093	<0.0093	<0.0093	<0.0093
	MW6B-ROX-100820	10/8/2020		25.28	NE	<0.001	<0.001	0.002	0.0026	0.00064 J	<0.001	0.0047 J	0.0022 J	0.0069 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	MW6B-ROX-010721	1/7/2021	64.05 - 69.05	26.50	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
MW-06C	MW6C-ROX-040518	4/5/2018	84.95 - 89.95	29.74	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW6C-ROX-070518	7/5/2018		29.93	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01 U	<0.01	<0.01
	MW6C-ROX-070518-DUP	7/5/2018		29.93	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.031	<0.01	<0.01	<0.01	<0.01
	MW6C-ROX-100418	10/4/2018		29.93	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0098	<0.0098	<0.0098	<0.0098
	MW6C-ROX-010819	1/8/2019		29.62	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019 UJ	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	MW6C-ROX-040519	4/5/2019		29.20	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01 U	<0.01	<0.01
	MW6C-ROX-071119	7/11/2019		24.42	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	0.0053 J	<0.0099 UJ	<0.0099
	MW6C-ROX-101019	10/10/2019		24.23	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.038	<0.013	0.015	<0.013	<0.013
	MW6C-ROX-101019-DUP	10/10/2019		24.23	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.038	<0.013	<0.013	<0.013	<0.013
	MW6C-ROX-010820	1/8/2020		25.86	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	MW6C-ROX-041320	4/13/2020		24.88	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW6C-ROX-071620	7/16/2020		24.19	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094	<0.0094	<0.0094	<0.0094
	MW6C-ROX-100820	10/8/2020		25.07	NE	<0.001	<0.001	0.002	0.0022	<0.001	<0.001	0.0044 J	0.002 J	0.0063 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW6C-ROX-010721	1/7/2021	84.95 - 89.95	26.29	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs									SVOCs												
						n-Propylbenzene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	bis(2-Chloroethoxy)methane	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	p-Chloroaniline
Screening Values (mg/L)						0.7 [3]	0.005 [1]	1.0 [1]	0.07 [3]	0.07 [3]	0.002 [1]	10 [1]		10 [1]	0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]		0.006 [1]	1.4 [2]	0.028 [2]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
MW-06D	MW6D-ROX-040518	4/5/2018	104.72 - 109.72	29.52	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW6D-ROX-070518	7/5/2018		29.76	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.031	<0.01	<0.01	<0.01	<0.01
	MW6D-ROX-100418	10/4/2018		29.76	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW6D-ROX-010819	1/8/2019		29.45	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002 UJ	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW6D-ROX-040519	4/5/2019		29.02	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW6D-ROX-071119	7/11/2019		24.24	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	0.00003 J	<0.0002	<0.0002	0.000043 J	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01 UJ	<0.01
	MW6D-ROX-101019	10/10/2019		24.07	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.038	<0.013	<0.013	<0.013	<0.013
	MW6D-ROX-010820	1/8/2020		25.68	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	MW6D-ROX-041320	4/13/2020		24.85	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW6D-ROX-041320-DUP	4/13/2020		24.85	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW6D-ROX-071620	7/16/2020		24.04	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093	<0.0093	<0.0093	<0.0093
	MW6D-ROX-100820	10/8/2020		24.90	NE	<0.001	<0.001	0.0017	0.0025	0.00063 J	<0.001	0.0039 J	0.002 J	0.0059 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	MW6D-ROX-010721	1/7/2021	104.72 - 109.72	26.13	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
MW-07	MW7-ROX-040918	4/9/2018	42.92 - 52.92	41.38	NE	<1	<1	0.8 J	<1	<1	<1	<5	<5	<10	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03 UJ	<0.0099	<0.0099	<0.0099	<0.0099
	MW7-ROX-040918-DUP	4/9/2018		41.38	NE	<1	<1	0.96 J	<1	<1	<1	<5	<5	<10	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW7-ROX-071018	7/10/2018		41.64	NE	<10	<10	<10	<10	<10	<10	<50	<50	<100	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.033	<0.011	<0.011	<0.011	<0.011
	MW7-ROX-071018-DUP	7/10/2018		41.64	NE	<10	<10	<10	<10	<10	<10	<50	<50	<100	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0087 J	<0.0098	<0.0098	<0.0098	<0.0098
	MW7-ROX-100818	10/8/2018		41.69	NE	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<13	<13	<25	0.00025	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW7-ROX-010719	1/7/2019		41.25	NE	<5	<5	<5	<5	<5	<5	<25	<25	<50	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019 UJ	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW7-ROX-040819	4/8/2019		40.94	NE	<10	<10	<10	<10	<10	<10	<50	<50	<100	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095 UJ	<0.00095 UJ	<0.00095 UJ	<0.00095 UJ	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	MW7-ROX-040819-DUP	4/8/2019		40.94	NE	<10	<10	<10	<10	<10	<10	<50	<50	<100	<0.00019	<0.00019	<0.00019	<0.00019	<0.00095 UJ	<0.00095 UJ	<0.00095 UJ	<0.00095 UJ	0.011 J *	<0.0095	<0.0095	<0.0095	<0.0095
	MW7-ROX-070819	7/8/2019		36.58	NE	<1	<1	1.5	<1	<1	<1	<5	<5	<10	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.013 J	<0.0096	<0.0096	<0.0096	<0.0096
	MW7-ROX-070819-DUP	7/8/2019		36.58	NE	<1	<1	1.5	<1	<1	<1	<5	<5	<10	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.015 J	<0.0096	<0.0096	<0.0096	<0.0096
	MW7-ROX-100819	10/8/2019		36.10	NE	<5	<5	<5	<5	<5	<5	<25	<25	<50	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0096	<0.0096	<0.0096	<0.0096
	MW7-ROX-100819-DUP	10/8/2019		36.10	NE	<5	<5	<5	<5	<5	<5	<25	<25	<50	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0093 J J	<0.0096	0.0049 J J	<0.0096	<0.0096
	MW7-ROX-010620	1/6/2020		37.60	NE	<5	<5	<5	<5	<5	<5	<25	<25	<50	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.023 J * J	<0.0096	<0.0096	<0.0096	<0.0096
	MW7-ROX-010620-DUP	1/6/2020		37.60	NE	<5	<5	<5	<5	<5	<5	<25	<25	<50	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.022 J * J	<0.0096	<0.0096	<0.0096	<0.0096
	MW7-ROX-010620-DUP-PCP	1/6/2020		37.60	NE																						
	MW7-ROX-010620-PCP	1/6/2020		37.60	NE																						
	MW7-ROX-040620	4/6/2020		36.84	NE	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<5 UJ	<5 UJ	<10 UJ	<0.0002	<0.0002	<0.0004 UJ	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.012 J	<0.0099	<0.0099	<0.0099	<0.0099
	MW7-ROX-040620-DUP	4/6/2020		36.84	NE	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<5 UJ	<5 UJ	<10 UJ	<0.0002	<0.0002	<0.0004 UJ	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.012 J	<0.0099	<0.02 UJ	<0.02 UJ	<0.0099
	MW7-ROX-070920	7/9/2020		35.98	NE	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<5 UJ	<5 UJ	<10 UJ	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.02 J	<0.0095 UJ	<0.0095	<0.0095	<0.0095
	MW7-ROX-070920-DUP	7/9/2020		35.98	NE	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<5 UJ	<5 UJ	<10 UJ	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.019 J	<0.0094 UJ	<0.0094 U	<0.0094	<0.0094
	MW7-ROX-101220	10/12/2020		36.63	NE	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<5 UJ	<5 UJ	<10 UJ	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.032	<0.0096 UJ	<0.0096	<0.0096	<0.0096
	MW7-ROX-101220-DUP	10/12/2020		36.63	NE	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<5 UJ	<5 UJ	<10 UJ	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.032	<0.0094 UJ	<0.0094	<0.0094	<0.0094
	MW7-ROX-011821	1/18/2021	42.92 - 52.92	37.96	NE	<10	<10	<10	<10	<10	<10	<50	<50	<100	<0.00076	<0.00076	<0.00076	<0.00076	<0.00076	<0.00076	<0.00076	<0.00076	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW7-ROX-011821-DUP	1/18/2021		37.96	NE	<10	<10	<10	<10	<10	<10	<50	<50	<100	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075	<0.028	<0.0093	<0.0094 H UJ	<0.0093	<0.0093
MW-08	MW8-ROX-040918	4/9/2018	33.60 - 43.60	32.27	NE	<1	<1	<1	<1	<1	<1	<5	<5	<10	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW8-ROX-071018	7/10/2018		32.42	NE	<5	<5	<5	<5	<5	<5	<25	<25	<50	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.032	<0.011	<0.011 U	<0.011	<0.011
	MW8-ROX-100818	10/8/2018		32.45	NE	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<13	<13	<25	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.000061 J	0.000046 J	0.000054 J	<0.029	<0.0098	0.0062 J	<0.0098	<0.0098
	MW8-ROX-100818-DUP	10/8/2018		32.45	NE	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<13	<13	<25	0.00013 J	<0.0002	<0.0002	<0.00098	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW8-ROX-010719	1/7/2019		32.04	NE	<2	<2	<2	<2	<2	<2	<10	<10	<20	0.00017 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019 UJ	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW8-ROX-010719-DUP	1/7/2019		32.04	NE	<2	<2	<2	<2	<2	<2	<10	<10	<20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019 UJ	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW8-ROX-040819	4/8/2019		31.70	NE	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<13	<13	<25	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.011 J *	<0.0095	<0.0095	<0.0095	<0.0095
	MW8-ROX-070819	7/8/2019		27.15	NE	<0.5	<0.5	0.48 J	<0.5	<0.5	<0.5	<2.5	<2.5	0.89 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW8-ROX-100819	10/8/2019		26.91	NE	<0.5	<0.5	0.29 J	<0.5	<0.5	<0.5	<2.5	0.38 J	1 J	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.029 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ
	MW8-ROX-010620	1/6/2020		28.35	NE	<0.2	<0.2	0.1 J	<0.2	<0.2	<0.2	<1	0.13 J	0.44 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0096	<0.0096	<0.0096	<0.0096
	MW8-ROX-010620-PCP	1/6/2020		28.35	NE																						
	MW8-ROX-040620	4/6/2020		27.70	NE	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	0.18 J	0.49 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW8-ROX-070920	7/9/2020		26.69	NE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<1	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096 UJ	<0.0096	<0.0096	0.0049 J
	MW8-ROX-101220	10/12/2020		27.54	NE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<5	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093 UJ	<0.0093	<0.0093	<0.0093
	MW8-ROX-011821	1/18/2021	33.60 - 43.60	28.95	NE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<1	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075	<0.028	<0.0094	<0.0095 H UJ	<0.0094	<0.0094

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs									SVOCs													
						n-Propylbenzene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	bis(2-Chloroethoxy)methane	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	p-Chloroaniline
Screening Values (mg/L)						0.7 [3]	0.005 [1]	1.0 [1]	0.07 [3]	0.07 [3]	0.002 [1]	10 [1]		10 [1]	0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]		0.006 [1]	1.4 [2]	0.028 [2]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																						
MW-09	MW9-ROX-040618	4/6/2018	46.04 - 56.04	42.29	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW9-ROX-070918	7/9/2018		42.82	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW9-ROX-101018	10/10/2018		42.88	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.003	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.048 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	MW9-ROX-011419	1/14/2019		42.97	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW9-ROX-011419-DUP	1/14/2019		42.97	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW9-ROX-041119	4/11/2019		42.54	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW9-ROX-071019	7/10/2019		38.74	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01 U	<0.01	<0.01
	MW9-ROX-071019-DUP	7/10/2019		38.74	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW9-ROX-101419	10/14/2019		38.08	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0096	<0.0096	<0.0096	<0.0096
	MW9-ROX-011320	1/13/2020		38.95	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	MW9-ROX-011320-DUP	1/13/2020		38.95	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW9-ROX-041020	4/10/2020		38.51	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW9-ROX-071720	7/17/2020		37.25	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW9-ROX-100920	10/9/2020		37.43	NE	<0.001	<0.001	0.0006 J	0.0011	<0.001	<0.001	<0.005	0.00075 J	0.0022 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096 U	<0.0096	<0.0096
	MW9-ROX-011221	1/12/2021	46.04 - 56.04	38.79	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
MW-10	MW10-ROX-040518	4/5/2018	44.43 - 54.43	41.94	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW10-ROX-070918	7/9/2018		42.88	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW10-ROX-101018	10/10/2018		42.87	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.003	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.047 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	MW10-ROX-011119	1/11/2019		43.06	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW10-ROX-042219	4/22/2019		42.54	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	MW10-ROX-071219	7/12/2019		39.33	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.03 H UJ	<0.01 H UJ	<0.01 H UJ	<0.01 H UJ	<0.01 H UJ
	MW10-ROX-101419	10/14/2019		38.40	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	MW10-ROX-011020	1/10/2020		39.05	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0095 H UJ	<0.0097	<0.0097
	MW10-ROX-041020	4/10/2020		38.59	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW10-ROX-071520	7/15/2020		37.15	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW10-ROX-100920	10/9/2020		37.26	NE	<0.001	<0.001	0.00051 J	0.0011	<0.001	<0.001	<0.005	0.0007 J	0.0022 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095 U	<0.0095	<0.0095
	MW10-ROX-011221	1/12/2021	44.43 - 54.43	35.88	NE	<0.001 UJ	<0.001	<0.001	<0.001 UJ	<0.001 UJ	<0.001	<0.005 UJ	<0.005 UJ	<0.01 UJ	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.031	<0.01	<0.01	<0.01	<0.01
MW-11	MW11-ROX-040618	4/6/2018	41.66 - 51.66	39.98	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0098	<0.0098	<0.0098	<0.0098
	MW11-ROX-070918	7/9/2018		40.54	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.032	<0.011	<0.011	<0.011	<0.011
	MW11-ROX-101118	10/11/2018		40.65	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098 UJ	0.0086 J	<0.0098	<0.0098
	MW11-ROX-011019	1/10/2019		40.45	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.000038 J	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	MW11-ROX-041119	4/11/2019		40.03	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.028	<0.0094	<0.0094	<0.0094	<0.0094
	MW11-ROX-070919	7/9/2019		35.95	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	0.000054 J	0.000062 J	0.000068 J	0.000051 J	0.00006 J	<0.031	<0.01	<0.01	<0.01	<0.01
	MW11-ROX-100419	10/4/2019		35.36	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	MW11-ROX-010720	1/7/2020		36.45	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW11-ROX-040920	4/9/2020		36.02	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019 UJ	<0.00019 UJ	<0.00019 UJ	<0.00019 UJ	<0.03 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ
	MW11-ROX-071720	7/17/2020		34.82	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW11-ROX-100920	10/9/2020		35.17	NE	<0.001	<0.001	0.00093 J	0.0022	0.00058 J	<0.001	0.0029 J	0.0014 J	0.0043 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094	<0.0094 U	<0.0094	<0.0094
	MW11-ROX-011321	1/13/2021	41.66 - 51.66	36.45	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002	<0.0002	<0.031	<0.01	<0.01	<0.01	<0.01
MW-12	MW12-ROX-040518	4/5/2018	41.92 - 51.92	40.50	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW12-ROX-040518-DUP	4/5/2018		40.50	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW12-ROX-070618	7/6/2018		41.03	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021 UJ	<0.00021	<0.00021	<0.00021	<0.032	<0.011	<0.011 UJ	<0.011	<0.011
	MW12-ROX-101018	10/10/2018		40.84	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.003	<0.000095	<0.000095	<0.000095	0.000031 J	0.000061 J J	0.00011	0.000064 J	0.000039 J	<0.048 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	MW12-ROX-010919	1/9/2019		40.78	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	0.000022 J	0.00024	0.00033	0.00034	0.00037	0.00032	<0.03	<0.01	<0.01	<0.01	<0.01
	MW12-ROX-010919-RE	1/9/2019		40.78	NE										<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ					
	MW12-ROX-040919	4/9/2019		40.42	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	MW12-ROX-071019	7/10/2019		35.87	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00005 J	<0.0002	0.000041 J	<0.03	<0.01	<0.01	<0.01	<0.01
	MW12-ROX-100419	10/4/2019		35.49	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096 U	<0.0096	<0.0096
	MW12-ROX-010720	1/7/2020		36.78	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	MW12-ROX-040820	4/8/2020		36.20	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0097	<0.0097	<0.01 H UJ	<0.0097
	MW12-ROX-071020	7/10/2020		35.19	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	0.000045 J	<0.00019	0.000062 J	<0.00019	<0.00019	<0.028	<0.0094 UJ	<0.0095 H UJ	<0.0094	<0.0094
	MW12-ROX-101520	10/15/2020		35.68	NE	<0.001	<0.001	<0.001	0.0013	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095 UJ	<0.0095	<0.0095	<0.0095
	MW12-ROX-010721	1/7/2021	41.92 - 51.92	37.08	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021 U	0.00013 J	<0.00021 U	<0.00021	<0.00021	<0.032	<0.011	<0.011	<0.011	<0.011

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs									SVOCs													
						n-Propylbenzene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	bis(2-Chloroethoxy)methane	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	p-Chloroaniline
Screening Values (mg/L)						0.7 [3]	0.005 [1]	1.0 [1]	0.07 [3]	0.07 [3]	0.002 [1]	10 [1]		10 [1]	0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]		0.006 [1]	1.4 [2]	0.028 [2]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																						
MW-13	MW13-ROX-040618	4/6/2018	24.80 - 34.80	27.71	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW13-ROX-070918	7/9/2018		27.6	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098 U	<0.0098	<0.0098
	MW13-ROX-101118	10/11/2018		27.66	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097 UJ	<0.0097	<0.0097	<0.0097
	MW13-ROX-010719	1/7/2019		27.18	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.00028	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019 UJ	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	MW13-ROX-041519	4/15/2019		26.44	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.00098	<0.00098	<0.00098	<0.00098	<0.00098	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW13-ROX-070919	7/9/2019		21.59	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.001	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW13-ROX-100919	10/9/2019		21.95	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.00064	<0.00019	0.00014 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW13-ROX-010620	1/6/2020		23.41	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.0011	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	MW13-ROX-040820	4/8/2020		22.75	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.00062	<0.00019	0.00018 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.01 H UJ	<0.0096
	MW13-ROX-070920	7/9/2020		21.72	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01 UJ	<0.022 U	<0.01	<0.01
	MW13-ROX-101420	10/14/2020		23.07	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096 UJ	<0.0096	<0.0096	<0.0096
	MW13-ROX-010821	1/8/2021	24.80 - 34.80	24.49	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	0.0052 J	<0.0096	<0.0096
MW-14	MW14-ROX-041018	4/10/2018	33.42 - 43.42	31.96	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002 U	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.031	<0.01	<0.01	<0.01	<0.01
	MW14-ROX-071118	7/11/2018		32.06	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096 U	<0.0096	<0.0096
	MW14-ROX-101518	10/15/2018		32.32	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW14-ROX-010919	1/9/2019		32.04	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW14-ROX-041619	4/16/2019		31.06	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW14-ROX-071019	7/10/2019		26.95	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.000048 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.0099 H UJ	<0.01	<0.01
	MW14-ROX-101119	10/11/2019		26.73	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	0.0056 J	<0.0096	<0.0096
	MW14-ROX-010720	1/7/2020		28.03	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	MW14-ROX-010720-PCP	1/7/2020		28.03	NE																						
	MW14-ROX-041420	4/14/2020		27.28	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW14-ROX-071320	7/13/2020		26.52	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.032	<0.011	<0.011	<0.011	<0.011
	MW14-ROX-101620	10/16/2020		27.85	NE	<0.001	<0.001	<0.001	0.0015	<0.001	<0.001	<0.005	<0.005	0.0016 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096 UJ	<0.0096	<0.0096	<0.0096
	MW14-ROX-011121	1/11/2021	33.42 - 43.42	28.63	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	0.000051 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
MW-16	MW16-ROX-040618	4/6/2018	37.50 - 47.50	41.54	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW16-ROX-070618	7/6/2018		42.35	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.033	<0.011	<0.011	<0.011	<0.011
	MW16-ROX-100518	10/5/2018		42.24	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW16-ROX-011119	1/11/2019		42.10	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	MW16-ROX-041219	4/12/2019		41.74	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	MW16-ROX-070919	7/9/2019		37.55	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	0.000036 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	MW16-ROX-100719	10/7/2019		36.86	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	MW16-ROX-010920	1/9/2020		38.16	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0096	<0.0096	<0.0096	<0.0096
	MW16-ROX-041320	4/13/2020		37.64	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW16-ROX-071320	7/13/2020		36.49	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095 UJ	<0.0095	<0.0095	<0.0095
	MW16-ROX-101420	10/14/2020		36.72	NE	<0.001	<0.001	<0.001	0.0013	<0.001	<0.001	<0.005	0.00073 J	0.0019 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093 UJ	<0.0093	<0.0093	<0.0093
	MW16-ROX-011321	1/13/2021	37.50 - 47.50	38.04	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021 U	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01	<0.01	<0.01
MW-22	MW22-ROX-041018	4/10/2018	38.43 - 48.43	NM	NE	0.078	<0.02	0.28	0.59	0.15	<0.02	3.3	1	4.3	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.0002 UJ	<0.03 UJ	<0.0099 UJ	<0.0099 UJ	<0.0099 UJ	<0.0099 UJ
	MW22-ROX-071018	7/10/2018		40.88	NE	0.094	<0.025	0.41	0.6	0.15	<0.025	3.9	0.85	4.8	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.033	<0.011	<0.011	<0.011	<0.011
	MW22-ROX-101518	10/15/2018		41.11	NE	0.12	<0.01	0.13	0.8	0.19	<0.01	2.9	0.3	3.2	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.16	<0.053	<0.053	<0.053	<0.053
	MW22-ROX-010919	1/9/2019		40.91	NE	0.1	<0.025	0.071	0.6	0.15	<0.025	2.6	0.17	2.8	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW22-ROX-041719	4/17/2019		40.31	NE	0.13	<0.025	0.15	0.8	0.21	<0.025	3.7	0.3	4	0.00011 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW22-ROX-101519	10/15/2019		35.38	NE	0.021 J	<0.001	0.0089	0.055 J	0.02	<0.001	0.16 J	0.014	0.18 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW22-ROX-101519-DUP	10/15/2019		35.38	NE	0.016 J	<0.001	0.0096	0.071 J	0.017	<0.001	0.29 J	0.02	0.31 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW22-ROX-010620	1/6/2020		36.83	NE	0.00096 J	<0.001	0.00043 J	0.005	0.0006 J	<0.001	0.0089	0.00099 J	0.0099 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0096	<0.0096	<0.0096	<0.0096
	MW22-ROX-010620-PCP	1/6/2020		36.83	NE																						
	MW22-ROX-041520	4/15/2020		36.30	NE	0.0073	<0.001	0.0019	0.04	0.0085	<0.001	0.062	0.0037 J	0.066	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW22-ROX-071420	7/14/2020		35.11	NE	<0.001	<0.001	<0.001	0.0019	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	MW22-ROX-101520	10/15/2020		35.56	NE	0.0076	<0.001	0.00062 J	0.042	0.011	<0.001	0.019	0.0016 J	0.02	<0.00019	<0.00019	<0.00019	<0.00019	0.00014 J	0.000082 J	<0.00019	0.00016 J	<0.028	<0.0095 UJ	<0.0095	<0.0095	<0.0095
	MW22-ROX-011321	1/13/2021	38.43 - 48.43	36.65	NE	0.034	<0.001	0.0068	0.23	0.039	<0.001	0.21	0.012	0.22	<0.0002	<0.0002	<0.0002	<0.0002 U	<0.0002 U	<0.0002 U	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs									SVOCs													
						n-Propylbenzene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	bis(2-Chloroethoxy)methane	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	p-Chloroaniline
Screening Values (mg/L)						0.7 [3]	0.005 [1]	1.0 [1]	0.07 [3]	0.07 [3]	0.002 [1]	10 [1]		10 [1]	0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]		0.006 [1]	1.4 [2]	0.028 [2]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																						
MW-23	MW23-ROX-040918	4/9/2018	29.02 - 39.02	29.24	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW23-ROX-070918	7/9/2018		29.1	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.033	<0.011	<0.011	<0.011	<0.011
	MW23-ROX-100918	10/9/2018		29.00	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.003	0.000082 J	0.00004 J	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.048 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	MW23-ROX-010919	1/9/2019		28.96	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW23-ROX-040919	4/9/2019		28.15	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0082 J	<0.0095	<0.0095	<0.0095	<0.0095
	MW23-ROX-071019	7/10/2019		23.01	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01 U	<0.01	<0.01
	MW23-ROX-100919	10/9/2019		23.39	NE	<0.001	<0.001	<0.0014 U	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095 UJ	<0.0095 UJ	<0.0095	<0.0095
	MW23-ROX-010820	1/8/2020		24.92	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0095 H UJ	<0.0096	<0.0096
	MW23-ROX-010820-PCP	1/8/2020		24.92	NE																						
	MW23-ROX-040820	4/8/2020		24.30	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0098 H UJ	<0.0099
	MW23-ROX-071420	7/14/2020		23.36	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.000039 J	<0.00019	<0.00019	<0.029	<0.0096	0.0056 J * J	<0.0096	<0.0096
	MW23-ROX-101320	10/13/2020		24.65	NE	<0.001	<0.001	<0.001	0.0012	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW23-ROX-010721	1/7/2021	29.02 - 39.02	25.92	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.031	<0.01	<0.01	<0.01	<0.01
MW-24	MW24-ROX-040618	4/6/2018	39.61 - 49.61	41.28	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW24-ROX-040618-DUP	4/6/2018		41.28	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW24-ROX-070618	7/6/2018		41.87	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.033	<0.011	<0.011	<0.011	<0.011
	MW24-ROX-100518	10/5/2018		41.81	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	MW24-ROX-011019	1/10/2019		41.76	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	MW24-ROX-041219	4/12/2019		41.33	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	MW24-ROX-070919	7/9/2019		37.04	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01	<0.01	<0.01
	MW24-ROX-100719	10/7/2019		36.56	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	MW24-ROX-010720	1/7/2020		37.67	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096 H UJ	<0.0096	<0.0096
	MW24-ROX-010720-PCP	1/7/2020		37.67	NE																						
	MW24-ROX-040920	4/9/2020		37.28	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW24-ROX-071020	7/10/2020		36.13	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095 UJ	<0.0095	<0.0095	<0.0095
	MW24-ROX-101320	10/13/2020		36.6	NE	<0.001	<0.001	<0.001	0.0014	<0.001	<0.001	<0.005	0.0008 J	0.0023 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094	<0.0094	<0.0094	<0.0094
	MW24-ROX-011121	1/11/2021	39.61 - 49.61	37.88	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	0.000066 J	0.000052 J	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01	<0.01	<0.01
MW-25	MW25-ROX-040918	4/9/2018	35.59 - 45.59	36.49	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.031	<0.01	<0.01	<0.01	<0.01
	MW25-ROX-071018	7/10/2018		36.71	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01	<0.01	<0.01
	MW25-ROX-100818	10/8/2018		36.73	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	MW25-ROX-010719	1/7/2019		36.33	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW25-ROX-040819	4/8/2019		36.03	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	MW25-ROX-070819	7/8/2019		31.52	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.032	<0.011	<0.011	<0.011	<0.011
	MW25-ROX-100819	10/8/2019		31.18	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0096	<0.0096	<0.0096	<0.0096
	MW25-ROX-010620	1/6/2020		32.63	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0096	<0.0096	<0.0096	<0.0096
	MW25-ROX-040620	4/6/2020		32.00	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW25-ROX-070920	7/9/2020		30.98	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093 UJ	<0.0093 U	<0.0093	<0.0093
	MW25-ROX-101220	10/12/2020		31.67	NE	<0.001	<0.001	0.00056 J	0.00089 J	<0.001	<0.001	<0.005	0.00083 J	0.0022 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094 UJ	<0.0094	<0.0094	<0.0094
	MW25-ROX-011821	1/18/2021	35.59 - 45.59	33.11	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	MW25-ROX-011821-DUP	1/18/2021		33.11	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00077	<0.00077	<0.00077	<0.00077	<0.00077	<0.00077	<0.00077	<0.00077	<0.029	<0.0096	<0.0095 H UJ	<0.0096	<0.0096
MW-26	MW26-ROX-040518	4/5/2018	38.15 - 48.15	39.22	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0098	<0.0098	<0.0098	<0.0098
	MW26-ROX-070618	7/6/2018		39.73	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.032	<0.011	<0.011	<0.011	<0.011
	MW26-ROX-100918	10/9/2018		39.53	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.003	0.000023 J	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.047 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	MW26-ROX-010919	1/9/2019		39.46	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW26-ROX-041019	4/10/2019		38.90	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	0.000043 J	0.00004 J	<0.0002	<0.0002	0.000045 J	<0.03	<0.0099	<0.0099 UJ	<0.0099 UJ	<0.0099
	MW26-ROX-071019	7/10/2019		34.54	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW26-ROX-100919	10/9/2019		33.99	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096 U	<0.0096	<0.0096
	MW26-ROX-010920	1/9/2020		35.45	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	MW26-ROX-041020	4/10/2020		34.83	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0079 J	<0.01	<0.01	<0.01	<0.01
	MW26-ROX-071420	7/14/2020		33.84	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095 H UJ	<0.0095	<0.0095
	MW26-ROX-101520	10/15/2020		34.56	NE	<0.001	<0.001	<0.001	0.0013	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095 UJ	<0.0095	<0.0095	<0.0095
	MW26-ROX-010821	1/8/2021	38.15 - 48.15	35.78	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021 U	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01	<0.01	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs									SVOCs												
						n-Propylbenzene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	bis(2-Chloroethoxy)methane	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	p-Chloroaniline
Screening Values (mg/L)						0.7 [3]	0.005 [1]	1.0 [1]	0.07 [3]	0.07 [3]	0.002 [1]	10 [1]		10 [1]	0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]		0.006 [1]	1.4 [2]	0.028 [2]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
MW-27	MW27-ROX-040618	4/6/2018	39.79 - 49.79	40.34	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0098	<0.0098	<0.0098	<0.0098
	MW27-ROX-070918	7/9/2018		41.16	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.000029 J	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.032	<0.011	<0.011	<0.011	<0.011
	MW27-ROX-100918	10/9/2018		41.06	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.003	0.000028 J	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.048 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	MW27-ROX-011119	1/11/2019		41.06	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	MW27-ROX-041519	4/15/2019		40.99	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW27-ROX-070919	7/9/2019		37.65	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01	<0.01	<0.01
	MW27-ROX-100319	10/3/2019		36.07	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	MW27-ROX-010720	1/7/2020		36.96	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	MW27-ROX-041020	4/10/2020		36.82	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW27-ROX-071020	7/10/2020		35.76	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.028 H UJ	<0.0093 H UJ	<0.0093 H UJ	<0.0093 H UJ	<0.0093 H UJ
	MW27-ROX-101320	10/13/2020		35.55	NE	<0.001	<0.001	<0.001	0.0012	<0.001	<0.001	<0.005	0.00061 J	0.0018 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	MW27-ROX-010821	1/8/2021	39.79 - 49.79	36.67	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
MW-28	MW28-ROX-040618	4/6/2018	33.61 - 43.61	39.25	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW28-ROX-070918	7/9/2018		40.08	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.032	<0.011	<0.011 U	<0.011	<0.011
	MW28-ROX-101118	10/11/2018		40.25	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098 UJ	0.01 F1 J	<0.0098	<0.0098
	MW28-ROX-010819	1/8/2019		40.32	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002 UJ	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	MW28-ROX-040919	4/9/2019		40.42	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	MW28-ROX-071019	7/10/2019		37.14	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW28-ROX-100419	10/4/2019		35.90	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	MW28-ROX-011020	1/10/2020		36.55	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	0.0048 J	0.0048 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	0.0051 J H J	<0.0096	<0.0096
	MW28-ROX-041620	4/16/2020		36.25	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	MW28-ROX-071620	7/16/2020		35.06	NE	<0.001	<0.001	0.0016	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.028	<0.0092	<0.0092	<0.0092	<0.0092
	MW28-ROX-101920	10/19/2020		35.10	NE	<0.001	<0.001	<0.001	0.0014	<0.001	<0.001	<0.005	0.0007 J	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094	0.0055 J H J	<0.0094	<0.0094
	MW28-ROX-011421	1/14/2021	33.61 - 43.61	35.82	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01 H UJ	<0.01	<0.01
P-54	P54-ROX-040618	4/6/2018	38.00 - 63.00	40.05	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.00004 J	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	P54-ROX-070618	7/6/2018		40.51	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.033	<0.011	<0.011	<0.011	<0.011
	P54-ROX-100518	10/5/2018		40.46	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0098	<0.0098	<0.0098	<0.0098
	P54-ROX-011019	1/10/2019		40.37	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	P54-ROX-041119	4/11/2019		39.91	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	P54-ROX-070919	7/9/2019		35.60	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01 U	<0.01	<0.01
	P54-ROX-100419	10/4/2019		35.22	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	P54-ROX-010720	1/7/2020		36.29	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	P54-ROX-010720-PCP	1/7/2020		36.29	NE																						
	P54-ROX-040920	4/9/2020		35.94	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.03 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ
	P54-ROX-071020	7/10/2020		34.76	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094 UJ	<0.0094	<0.0094	<0.0094
	P54-ROX-101320	10/13/2020		35.36	NE	<0.001	<0.001	<0.001	0.0016	<0.001	<0.001	<0.005	0.00061 J	0.0018 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	P54-ROX-011121	1/11/2021	38.00 - 63.00	36.68	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	0.000093 J	0.000057 J	0.000036 J	<0.00021	<0.00021	<0.032	<0.011	<0.011	<0.011	<0.011
P-56	P56-ROX-041118	4/11/2018	40.82 - 65.82	44.40	NE	0.023	<0.001	<0.001	0.0047	0.0017	<0.001	0.016	<0.005	0.017	0.00015 J	<0.0002	0.000061 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	P56-ROX-071118	7/11/2018		45.25	NE	0.027	<0.001	0.0022	0.013	0.0041	<0.001	0.046	0.0019 J	0.048	0.00037	0.00005 J	0.000059 J	0.000068 J	<0.00022	<0.00022	<0.00022	<0.00022	<0.033	<0.011	<0.011	<0.011	<0.011
	P56-ROX-101518	10/15/2018		45.37	NE	0.016	<0.001	0.00076 J	0.0013	<0.001	<0.001	0.0059	<0.005	0.0062 J	0.00037	<0.0002	0.000069 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	P56-ROX-011019	1/10/2019		45.16	NE	0.018	<0.001	0.00086 J	0.008	0.0027	<0.001	0.023	0.00098 J	0.024	0.00045	<0.00019	0.000099 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	P56-ROX-041719	4/17/2019		44.38	NE	0.027	<0.001	0.0026	0.041	0.011	<0.001	0.11	0.0041 J	0.11	0.00069	<0.0002	0.00018 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	P56-ROX-071219	7/12/2019		40.50	NE	0.039	<0.001	0.0079	0.083	0.021	<0.001	0.21	0.0064	0.22	0.00058 J H J	<0.00099 H UJ	0.00021 J H J	<0.00099 H UJ	<0.00099 H UJ	<0.00099 H UJ	<0.00099 H UJ	<0.00099 H UJ	<0.03 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ
	P56-ROX-101519	10/15/2019		39.60	NE	0.024	<0.001	0.0025	0.029	0.0072	<0.001	0.075	0.0029 J	0.078	0.00041	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	P56-ROX-010820	1/8/2020		41.31	NE	0.021	<0.001	0.00061 J	0.0015	0.00065 J	<0.001	0.0062	<0.005	0.0065 J	0.00052	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	P56-ROX-041620	4/16/2020		40.49	NE	0.031	<0.001	0.0073	0.059	0.014	<0.001	0.15	0.0055	0.16	0.00039	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P56-ROX-071520	7/15/2020		39.43	NE	0.013	<0.001	0.0029	0.028	0.0068	<0.001	0.054	0.0021 J	0.056	0.00027	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0097	<0.0097 H UJ	<0.0097	<0.0097
	P56-ROX-102120	10/21/2020		40.09	NE	0.012	<0.001	0.0011	0.01	0.0028	<0.001	0.016	0.00088 J	0.017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	P56-ROX-011221	1/12/2021	40.82 - 65.82	41.04	NE	0.013	<0.001	0.00048 J	<0.001	<0.001	<0.001	0.0027 J	<0.005	0.0029 J	0.00052	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094	<0.0094	<0.0094	<0.0094

SEE LAST PAGE OF TABLE FOR NOTES

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs									SVOCs												
						n-Propylbenzene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	bis(2-Chloroethoxy)methane	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	p-Chloroaniline
Screening Values (mg/L)						0.7 [3]	0.005 [1]	1.0 [1]	0.07 [3]	0.07 [3]	0.002 [1]	10 [1]		10 [1]	0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]		0.006 [1]	1.4 [2]	0.028 [2]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
P-57	P57-ROX-041018	4/10/2018	44.19 - 54.19	45.45	NE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.25	<0.25	<0.5	0.00015 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	P57-ROX-071118	7/11/2018		45.76	NE	0.036 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.25	<0.25	<0.5	0.00022	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.032	<0.011	<0.011	<0.011	<0.011
	P57-ROX-071118-DUP	7/11/2018		45.76	NE	0.038 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.25	<0.25	<0.5	0.0002 J	<0.00022	0.000029 J	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.032	<0.011	<0.011	<0.011	<0.011
	P57-ROX-101618	10/16/2018		45.86	NE	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1	<2	0.00023	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	P57-ROX-101618-DUP	10/16/2018		45.86	NE	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1	<2	0.00021	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	P57-ROX-011419	1/14/2019		45.63	NE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<1	0.00031 J	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P57-ROX-011419-DUP	1/14/2019		45.63	NE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<1	0.00038 J	<0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P57-ROX-041719	4/17/2019		44.89	NE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.25	<0.25	<0.5	0.00046 J	<0.00098	<0.0002	<0.0002	<0.00098	<0.00098	<0.00098	<0.00098	<0.029	<0.0098	0.0077 J *	<0.0098	<0.0098
	P57-ROX-041719-DUP	4/17/2019		44.89	NE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.25	<0.25	<0.5	0.00041 J	<0.00099	<0.0002	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.03	<0.0099	0.0066 J *	<0.0099	<0.0099
	P57-ROX-071519	7/15/2019		40.82	NE	0.038	<0.025	0.013 J	<0.025	<0.025	<0.025	<0.13	<0.13	<0.25	0.00048 J J	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.029	<0.0097	<0.0097 U	<0.0097	<0.0097
	P57-ROX-071519-DUP	7/15/2019		40.82	NE	0.04	<0.025	0.015 J	<0.025	<0.025	<0.025	<0.13	<0.13	<0.25	0.00028	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	P57-ROX-101519	10/15/2019		40.18	NE	0.025	<0.02	0.014 J	<0.02	<0.02	<0.02	<0.1	<0.1	<0.2	0.00022	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	0.016
	P57-ROX-101519-DUP	10/15/2019		40.18	NE	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1	<0.2	0.00013 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	P57-ROX-010920	1/9/2020		41.77	NE	0.015	<0.005	0.0062	<0.005	<0.005	<0.005	<0.025	<0.025	<0.05	0.00026	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0095 H UJ	<0.0096	<0.0096
	P57-ROX-041720	4/17/2020		40.70	NE	0.022	<0.01	0.0078 J	<0.01	<0.01	<0.01	<0.05	<0.05	<0.1	0.00042	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	P57-ROX-041720-DUP	4/17/2020		40.70	NE	0.026	<0.01	0.0086 J	<0.01	<0.01	<0.01	<0.05	<0.05	<0.1	0.00037	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	P57-ROX-071620	7/16/2020		40.15	NE	0.028	<0.01	0.0092 J	0.011	<0.01	<0.01	<0.05	<0.05	<0.1	0.00041	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	P57-ROX-071620-DUP	7/16/2020		40.15	NE	0.034	<0.01	0.0096 J	0.01	<0.01	<0.01	<0.05	<0.05	<0.1	0.00043	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P57-ROX-102020	10/20/2020		40.84	NE	0.035	<0.002	0.0094	<0.002	<0.002	<0.002	0.0039 J	<0.01	0.0045 J	0.00036	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.00019	<0.029	<0.0096	<0.0095 H UJ	<0.0096	<0.0096
	P57-ROX-102020-DUP	10/20/2020		40.84	NE	0.025	<0.01	0.0081 J	<0.01	<0.01	<0.01	<0.05	<0.05	<0.1	0.00035	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.00019	<0.029	<0.0096	<0.0095 H UJ	<0.0096	<0.0096
	P57-ROX-011321	1/13/2021	44.19 - 54.19	41.70	NE	0.025	<0.001	0.0062	<0.001	<0.001	<0.001	0.0022 J	<0.005	0.0025 J	0.00023	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	P57-ROX-011321-DUP	1/13/2021		41.70	NE	0.026	<0.001	0.0062	<0.001	<0.001	<0.001	0.0023 J	<0.005	0.0025 J	0.00025	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0094 H UJ	<0.0095	<0.0095
P-58	P58-ROX-041118	4/11/2018	40.21 - 65.21	43.19	NE	<2	<2	<2	<2	<2	<2	<10	<10	<20	0.00059	0.00027	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	P58-ROX-041118-DUP	4/11/2018		43.19	NE	<2	<2	<2	<2	<2	<2	<10	<10	<20	0.00057	0.00032	<0.00019	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	P58-ROX-101618	10/16/2018		43.66	NE	<1	<1	<1	<1	<1	<1	<5	<5	<10	0.0006	<0.00019	<0.00019	<0.00019	0.00018 J	0.0001 J	<0.00019	0.000057 J	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	P58-ROX-041719	4/17/2019		42.49	NE	<1	<1	<1	<1	<1	<1	<5	<5	<10	<0.0002	<0.0002	<0.0002	<0.00099	0.00055 J	0.00049 J	<0.00099	<0.00099	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P58-ROX-071519	7/15/2019		38.43	NE	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1	<2	<0.001 UJ	<0.001 UJ	<0.0002 UJ	0.00079 J	0.00073 J	0.0008	<0.0002	<0.0002	<0.031	<0.01	<0.01	<0.01	<0.01
	P58-ROX-071519-DUP	7/15/2019		38.43	NE	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1	<2	<0.00019	0.00052	0.0013 J	0.0015 J	0.0014 J	0.0011	0.00084 J J	0.00021	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
P-59	P59-ROX-041218	4/12/2018	47.91 - 72.91	45.13	NE	0.052	<0.02	0.46	0.32	0.045	<0.02	1.1	0.082 J	1.2	0.00014 J	<0.0002	0.000093 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	P59-ROX-071118	7/11/2018		46.16	NE	0.068	<0.025	0.52	0.4	0.082	<0.025	1	0.04 J	1	<0.00022	<0.00022	0.00046	0.00012 J	<0.00022	<0.00022	<0.00022	<0.00022	<0.033	<0.011	<0.011	<0.011	<0.011
	P59-ROX-101618	10/16/2018		45.99	NE	0.086	<0.01	1.2	0.48	0.12	<0.01	1.8	0.23	2	0.000098 J	<0.00019	0.0018	0.00031	0.000093 J	<0.00019	0.000067 J	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	P59-ROX-011419	1/14/2019		46.10	NE	0.1	<0.01	0.33	0.6	0.13	<0.01	1.5	0.063	1.5	<0.0002	<0.0002	0.0011	<0.001	0.000054 J	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	P59-ROX-101519	10/15/2019		40.46	NE	0.066	<0.01	0.74	0.38	0.09	<0.01	1.3	0.17	1.5	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	P59-ROX-010920	1/9/2020		42.14	NE	0.048	<0.01	0.28	0.19	0.055	<0.01	0.33	0.055	0.39	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0095 H UJ	<0.0096	<0.0096
	P59-ROX-042120	4/21/2020		41.45	NE	0.13	<0.02	0.56	0.71	0.17	<0.02	3.5	0.14	3.6	0.0005 J B	<0.00098	<0.00098	<0.00098	<0.00098	<0.00098	<0.00098	<0.00098	<0.029	<0.0098	<0.0098	<0.0098	0.027
	P59-ROX-071620	7/16/2020		40.36	NE	0.069	<0.01	0.13	0.25	0.074	<0.01	0.36	0.027 J	0.39	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	P59-ROX-102020	10/20/2020		40.72	NE	0.047	<0.01	0.11	0.12	0.046	<0.01	0.22	0.011 J	0.23	0.00041	<0.00019	<0.00019	0.00016 J	<0.00019	<0.00019 UJ	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	P59-ROX-011321	1/13/2021	47.91 - 72.91	41.68	NE	0.031	<0.01	0.094	0.091	0.03	<0.01	0.14	0.007 J	0.15	0.0002	<0.00019	0.00026 B	<0.00019 U	<0.00019 U	<0.00019 U	<0.00019	<0.00019	<0.028	<0.0094	<0.0094	<0.0094	<0.0094
P-66	P66-ROX-041018	4/10/2018	34.72 - 59.72	34.93	NE	0.071	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	0.0006 J	<0.01	0.00047	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P66-ROX-071118	7/11/2018		35.10	NE	0.023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.00072 J	<0.0019	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	P66-ROX-071118-DUP	7/11/2018		35.10	NE	0.025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.0003 J	<0.002	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.03	<0.0099	<0.0099 U	<0.0099	<0.0099
	P66-ROX-101518	10/15/2018		35.31	NE	0.057 J	<0.001 UJ	0.00098 J	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.005 UJ	<0.005 UJ	<0.01 UJ	0.00066 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.15	<0.049	<0.049	<0.049	<0.049
	P66-ROX-101518-DUP	10/15/2018		35.31	NE	0.076 J	<0.001 UJ	0.00099 J	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.005 UJ	0.00086 J	<0.01 UJ	<0.0002 UJ	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.15	<0.049	<0.049	<0.049	<0.049
	P66-ROX-010919	1/9/2019		34.99	NE	0.082	<0.001	0.0011	<0.001	<0.001	<0.001	<0.005	0.00077 J	<0.01	0.00042	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	P66-ROX-041619	4/16/2019		34.08	NE	0.017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00099	<0.00099	<0.0002	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P66-ROX-071019	7/10/2019		30.00	NE	0.078	<0.001	0.00061 J	0.0029	<0.001	<0.001	<0.005	<0.005	<0.01	0.00081 J J	<0.001	<0.0002	<0.001	0.000042 J	0.000045 J	0.000041 J	<0.0002	<0.03	<0.01	<0.01 U	<0.01	<0.01
	P66-ROX-101119	10/11/2019		29.52	NE	0.07	<0.001	0.0005 J	<0.001	<0.001	<0.001	<0.005	0.00078 J	<0.01	0.00026 J	<0.00019 UJ	<0.00019 UJ	<0.00019 UJ	<0.00019 UJ	<0.00019 UJ	<0.00019 UJ	<0.00019 UJ	<0.029	<0.0096	<0.00096	<0.0096	0.017
	P66-ROX-010720	1/7/2020		31.09	NE	0.034	<0.001	0.00064 J	<0.001	<0.001	<0.001	<0.005	0.00065 J	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.15 UJ	<0.049 UJ	<0.049 UJ	<0.049 UJ	<0.049 UJ
	P66-ROX-041420	4/14/2020		30.12	NE	0.047	<0.001	0.00098 J	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.00045 J	<0.00098	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	P66-ROX-071320	7/13/2020		29.51	NE	0.097	<0.001	0.00053 J	<0.001	<0.001	<0.001	<0.005	0.00078 J	<0.01	0.0011	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	P66-ROX-101620	10/16/2020		30.39	NE	0.21	<0.001	0.00097 J	0.0022	<0.001	<0.001	0.0016 J	0.002 J	0.0036 J	0.0014	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095 UJ	<0.0095	<0.0095	<0.0095
	P66-ROX-101620-DUP	10/16/2020		30.39	NE	0.22	<0.001	0.00095 J	0.0023	0.00058 J	<0.001	0.0016 J	0.0019 J	0.0036 J	0.00094	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094 UJ	<0.0094	<0.0094	<0.0094
	P66-ROX-011121	1/11/2021	34.72 - 59.72	31.39	NE	0.11	<0.001	0.0005 J	<0.001	<0.001	<0.001	<0.005	0.001 J	<0.01	0.001	0.00014 J	0.00022	0.00013 J	0.0001 J	0.000071 J	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs									SVOCs													
						n-Propylbenzene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	bis(2-Chloroethoxy)methane	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	p-Chloroaniline
Screening Values (mg/L)						0.7 [3]	0.005 [1]	1.0 [1]	0.07 [3]	0.07 [3]	0.002 [1]	10 [1]		10 [1]	0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]		0.006 [1]	1.4 [2]	0.028 [2]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																						
P-74	P74-ROX-041018	4/10/2018	43.83 - 68.83	40.69	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002 U	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P74-ROX-041018-DUP	4/10/2018		40.69	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002 U	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P74-ROX-071118	7/11/2018		42.22	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	P74-ROX-101618	10/16/2018		42.18	NE	<0.001	<0.001	0.0023	0.0053	0.0014	<0.001	0.0025 J	<0.005	0.003 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	P74-ROX-011019	1/10/2019		42.14	NE	<0.001	<0.001	0.00072 J	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	P74-ROX-041719	4/17/2019		41.57	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	P74-ROX-071219	7/12/2019		37.95	NE	<0.001	<0.001	0.0011	0.002	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.03 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ
	P74-ROX-101419	10/14/2019		36.74	NE	<0.001	<0.001	0.0019	0.0022	<0.001	<0.001	<0.005	<0.005	0.0019 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	P74-ROX-010820	1/8/2020		38.40	NE	<0.001	<0.001	0.0005 J	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	P74-ROX-041720	4/17/2020		37.40	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	P74-ROX-071420	7/14/2020		36.62	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096 H UJ	<0.0096	<0.0096
	P74-ROX-102020	10/20/2020		36.69	NE	<0.001	<0.001	0.0046	0.0036	0.00088 J	<0.001	0.0062	0.001 J	0.0072 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.00019	<0.028	<0.0094	<0.0094	<0.0094	<0.0094
	P74-ROX-011221	1/12/2021	43.83 - 68.83	37.83	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
P-93A	P93A-ROX-041118	4/11/2018	43.07 - 53.07	NM	NE	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<1.3	<1.3	<2.5	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P93A-ROX-052218	5/22/2018		NM	NE	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1	<2													
	P93A-ROX-071218	7/12/2018		44.03	NE	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1	<2	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	P93A-ROX-101618	10/16/2018		44.05	NE	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	<1	<2	0.000086 J	<0.00019	0.000045 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	P93A-ROX-011419	1/14/2019		43.78	NE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.25	<0.25	<0.5	0.000043 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P93A-ROX-041819	4/18/2019		42.98	NE	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<1	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P93A-ROX-071519	7/15/2019		38.92	NE	<0.02 UJ	<0.02 UJ	<0.02 UJ	<0.02 UJ	<0.02 UJ	<0.02 UJ	<0.1 UJ	<0.1 UJ	<0.2 UJ	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	0.00067 J	<0.0096
	P93A-ROX-101519	10/15/2019		38.31	NE	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.25	<0.25	<0.5	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 U	<0.00019 U	<0.00019 U	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	P93A-ROX-010920	1/9/2020		39.89	NE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<5	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096 U	<0.0096	<0.0096
	P93A-ROX-010920-DUP	1/9/2020		39.89	NE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<5	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	P93A-ROX-041720	4/17/2020		38.79	NE	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<1.3	<1.3	<2.5	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P93A-ROX-071620	7/16/2020		38.36	NE	<1	<1	<1	<1	<1	<1	<5	<5	<10	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.031	<0.01	<0.01	<0.01	<0.01
	P93A-ROX-102220	10/22/2020		39.09	NE	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.13	<0.13	<0.25	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	P93A-ROX-102220-DUP	10/22/2020		39.09	NE	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.13	<0.13	<0.25	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	P93A-ROX-011421	1/14/2021	43.07 - 53.07	39.93	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094	<0.0094 H UJ	<0.0094	<0.0094
P-93B	P93B-ROX-041218	4/12/2018	74.88 - 76.88	44.75	NE	<1	<1	<1	<1	<1	<1	<1	<5	<10	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P93B-ROX-041218-DUP	4/12/2018		44.75	NE	<1	<1	<1	<1	<1	<1	<1	<5	<10	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	P93B-ROX-071218	7/12/2018		45.36	NE	<1	<1	<1	<1	<1	<1	<1	<5	<10	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	0.0026 J	<0.0097	<0.0097
	P93B-ROX-071218-DUP	7/12/2018		45.36	NE	<1	<1	<1	<1	<1	<1	<1	<5	<10	<0.00019	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.029	<0.0097	0.0027 J	<0.0097	<0.0097
	P93B-ROX-101518	10/15/2018		45.64	NE	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<10 UJ	<10 UJ	<20 UJ	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	P93B-ROX-101518-DUP	10/15/2018		45.64	NE	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<2 UJ	<10 UJ	<10 UJ	<20 UJ	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	P93B-ROX-011119	1/11/2019		45.15	NE	<5	<5	<5	<5	<5	<5	<5	<25	<25	<50	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	0.0036 J
	P93B-ROX-011119-DUP	1/11/2019		45.15	NE	<5	<5	<5	<5	<5	<5	<5	<25	<25	<50	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	P93B-ROX-041819	4/18/2019	74.78 - 76.78	44.33	NE	<5	<5	<5	<5	<5	<5	<5	<25	<25	<50	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	P93B-ROX-041819-DUP	4/18/2019		44.33	NE	<5	<5	<5	<5	<5	<5	<5	<25	<25	<50	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P93B-ROX-071219	7/12/2019		40.35	NE	<0.25	<0.25	0.32	<0.25	<0.25	<0.25	<1.3	<1.3	<2.5	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.029 H UJ	<0.0098 H UJ	<0.0098 H UJ	<0.0098 H UJ	<0.0098 H UJ
	P93B-ROX-071219-DUP	7/12/2019		40.35	NE	<0.25	<0.25	0.36	<0.25	<0.25	<0.25	<1.3	<1.3	<2.5	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.03 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ
	P93B-ROX-101519	10/15/2019		39.62	NE	<1	<1	<1	<1	<1	<1	<1	<5	<10	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	P93B-ROX-101519-DUP	10/15/2019		39.62	NE	<1	<1	<1	<1	<1	<1	<1	<5	<10	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	P93B-ROX-010820	1/8/2020		41.48	NE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<5	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	P93B-ROX-010820-DUP	1/8/2020		41.48	NE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<5	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096 UJ	<0.0096 UJ	<0.0096 UJ	<0.0096 UJ
	P93B-ROX-042020	4/20/2020		40.23	NE	<1	<1	<1	<1	<1	<1	<1	<5	<10	<0.0004 UJ	<0.0004 UJ	<0.0004 UJ	<0.0004 UJ	<0.0004 UJ	<0.0004 UJ	<0.0004 UJ	<0.0004 UJ	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P93B-ROX-042020-DUP	4/20/2020		40.23	NE	<1	<1	<1	<1	<1	<1	<1	<5	<10	<0.00099 UJ	<0.00099 UJ	<0.00099 UJ	<0.00099 UJ	<0.00099 UJ	<0.00099 UJ	<0.00099 UJ	<0.00099 UJ	<0.15	<0.05	<0.05	<0.05	<0.05
	P93B-ROX-071620	7/16/2020		39.75	NE	<1	<1	<1	<1	<1	<1	<1	<5	<10	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	P93B-ROX-071620-DUP	7/16/2020		39.75	NE	<1	<1	<1	<1	<1	<1	<1	<5	<10	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P93B-ROX-102220	10/22/2020		40.46	NE	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<13	<13	<25	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	P93B-ROX-011421	1/14/2021		41.13	NE	<5	<5	<5	<5	<5	<5	<25	<25	<50	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0097 H UJ	<0.0095	<0.0095
	P93B-ROX-011421-DUP	1/14/2021		41.13	NE	<5	<5	<5	<5	<5	<5	<25	<25	<50	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0094 H UJ	<0.0097	<0.0097
P-93C	P93C-ROX-041118	4/11/2018	92.88 - 97.88	44.69	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	P93C-ROX-071218	7/12/2018		45.22	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01	<0.01	<0.01
	P93C-ROX-101518	10/15/2018		45.31	NE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.1	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	P93C-ROX-011019	1/10/2019		45.01	NE	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.1	<0.2	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	P93C-ROX-041819	4/18/2019		44.15	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	P93C-ROX-071219	7/12/2019		40.18	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.03 H UJ	<0.01 H UJ	<0.01 H UJ	<0.01 H UJ	<0.01 H UJ
	P93C-ROX-101419	10/14/2019		39.65	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0096	<0.0096	<0.0096	<0.0096
	P93C-ROX-010820	1/8/2020		41.30	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	P93C-ROX-041620	4/16/2020		40.17	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0098	<0.0098	<0.0098	<0.0098
	P93C-ROX-071420	7/14/2020		39.45	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0097 H UJ	<0.0095	<0.0095
	P93C-ROX-102120	10/21/2020		40.36	NE	<0.001	<0.001	<0.001	0.0014	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	P93C-ROX-011121	1/11/2021		41.24	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs									SVOCs												
						n-Propylbenzene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	bis(2-Chloroethoxy)methane	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	p-Chloroaniline
Screening Values (mg/L)						0.7 [3]	0.005 [1]	1.0 [1]	0.07 [3]	0.07 [3]	0.002 [1]	10 [1]		10 [1]	0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]		0.006 [1]	1.4 [2]	0.028 [2]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
P-93D	P93D-ROX-041218	4/12/2018	125.75 - 127.75	45.95	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	0.000046 J	<0.0002	<0.0002	0.00023	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	P93D-ROX-071218	7/12/2018		45.57	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.032	<0.011	<0.011	<0.011	<0.011
	P93D-ROX-101518	10/15/2018		45.70	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	0.000051 J	<0.00019	0.000043 J	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	P93D-ROX-011119	1/11/2019		45.31	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	P93D-ROX-041819	4/18/2019		44.50	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	P93D-ROX-071219	7/12/2019		40.53	NE	<0.001	<0.001	0.00048 J	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	P93D-ROX-101519	10/15/2019		39.88	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	P93D-ROX-010820	1/8/2020		41.68	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0096	<0.0096	<0.0096	<0.0096
	P93D-ROX-042020	4/20/2020	125.66 - 127.66	40.41	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	0.011	<0.0099	<0.0099
	P93D-ROX-071320	7/13/2020		39.87	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 H UJ	<0.0097 H UJ	<0.0097 H UJ	<0.0097 H UJ	<0.0097 H UJ
	P93D-ROX-102220	10/22/2020		40.63	NE	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001 UJ	<0.001	<0.005 UJ	<0.005 UJ	<0.01 UJ	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.00019	<0.028	<0.0094	<0.0094	<0.0094	<0.0094
	P93D-ROX-011321	1/13/2021	125.66 - 127.66	41.40	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0093 H UJ	<0.0095	<0.0095
P-114R	P114R-ROX-040618	4/6/2018	23.01 - 33.01	26.76	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P114R-ROX-070918	7/9/2018		26.38	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	0.00026	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097 U	<0.0097	<0.0097
	P114R-ROX-101118	10/11/2018		26.27	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0098 UJ	<0.0098	<0.0098	<0.0098
	P114R-ROX-101118-DUP	10/11/2018		26.27	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	0.000055 J	<0.00039	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098 UJ	<0.0098	<0.0098	<0.0098
	P114R-ROX-010719	1/7/2019		25.88	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	0.0001 J	<0.00019	0.000045 J	<0.00019 UJ	<0.00019 UJ	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	P114R-ROX-041519	4/15/2019		24.70	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.03	<0.01	<0.01	<0.01	<0.01
	P114R-ROX-041519-DUP	4/15/2019		24.70	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.00099	<0.00099	<0.00099	<0.00099	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	P114R-ROX-070919	7/9/2019		19.48	NE	<0.001	<0.001	0.00099 J	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00096 UJ	<0.00096 UJ	<0.00096 UJ	<0.00096 UJ	<0.00096 UJ	<0.00096 UJ	<0.00096 UJ	<0.00096 UJ	<0.14	<0.048	<0.048	<0.048	<0.048
	P114R-ROX-100919	10/9/2019		20.46	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	0.000062 J	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	P114R-ROX-010620	1/6/2020		22.15	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	P114R-ROX-010620-PCP	1/6/2020		22.15	NE																						
	P114R-ROX-040720	4/7/2020		21.49	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00092	<0.00092	<0.00092	<0.00092	<0.00092	<0.00092	<0.00092	0.00049 J	<0.14	<0.046	<0.046	<0.046	<0.046
	P114R-ROX-040720-RE	4/7/2020		21.49	NE										<0.00024	<0.00024	<0.00024	<0.0012 UJ	<0.0012 UJ	<0.0012 UJ	<0.0012 UJ	<0.0012 UJ	<0.072	<0.024	<0.024	<0.019 H UJ	<0.024
	P114R-ROX-070920	7/9/2020		20.40	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098 UJ	<0.0098 U	<0.0098	<0.0098
	P114R-ROX-101420	10/14/2020		22.27	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021 UJ	<0.00021	<0.00021	<0.00021	<0.029 H UJ	<0.01	<0.01	<0.01	<0.0095 H UJ
	P114R-ROX-010821	1/8/2021	23.01 - 33.01	23.81	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094	<0.0094	<0.0094	<0.0094
ROST-3-MW	ROST3MW-ROX-040618	4/6/2018	37.81 - 47.81	39.98	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.00028	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	ROST3MW-ROX-070518	7/5/2018		40.74	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.00013 J	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01 U	<0.01	<0.01
	ROST3MW-ROX-100918	10/9/2018		40.72	NE	<0.001	<0.001	<0.001	0.00036 J	<0.001	<0.001	<0.002	<0.001	<0.003	0.00041 J	0.000076 J	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.048 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	ROST3MW-ROX-011019	1/10/2019		40.62	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.00025	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	ROST3MW-ROX041219	4/12/2019		40.40	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003 J	0.00073 J	0.0037 J	0.00023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0073 J	<0.0098	<0.0098	<0.0098	<0.0098
	ROST3MW-ROX-071119	7/11/2019		36.38	NE	0.0044	<0.001	0.0021	0.012	0.0026	<0.001	0.04	0.0057	0.046	0.00026	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096 UJ	<0.0096
	ROST3MW-ROX-101419	10/14/2019		35.57	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.000059 J	<0.00019	0.000028 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	ROST3MW-ROX-010920	1/9/2020		36.56	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	ROST3MW-ROX-041020	4/10/2020		36.33	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.000064 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	ROST3MW-ROX-071320	7/13/2020		34.98	NE	0.002	<0.001	0.00062 J	<0.001	<0.001	<0.001	0.0056	0.0021 J	0.0077 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094 UJ	<0.0094	<0.0094	<0.0094
	ROST3MW-ROX-101920	10/19/2020		35.35	NE	<0.001	<0.001	<0.001	0.00087 J	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094	0.0047 J H J	<0.0094	<0.0094
	ROST3MW-ROX-010821	1/8/2021	37.81 - 47.81	36.49	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021 U	<0.00021 U	<0.00021	<0.00021	<0.00021	<0.032	<0.011	<0.011	<0.011	<0.011
ROST-4-PZ(C)	ROST4PZC-ROX-040918	4/9/2018	34.95 - 44.95	40.13	NE	0.0008 J	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.00024	<0.0002	0.0001 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	ROST4PZC-ROX-070918	7/9/2018		40.87	NE	0.00084 J	<0.001	<0.001	0.001	<0.001	<0.001	<0.005	<0.005	<0.01	0.00028	<0.00022	0.000094 J	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.033	<0.011	0.013 B	<0.011	<0.011
	ROST4PZC-ROX-101218	10/12/2018		40.91	NE	0.0021	<0.001	0.011	0.0069	<0.001	<0.001	0.055	0.00099 J	0.056	0.00044	<0.0002	0.00014 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029 UJ	<0.0098 UJ	<0.0098	<0.0098	<0.0098
	ROST4PZC-ROX-010919	1/9/2019		40.89	NE	0.0042	<0.001	0.0045	0.015	<0.001	<0.001	0.058	0.0011 J	0.059	0.00087	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	ROST4PZC-ROX-041619	4/16/2019		40.69	NE	0.0049	<0.001	0.0087	0.015	<0.001	<0.001	0.073	0.0015 J	0.074	0.00089	<0.0002	0.00014 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	ROST4PZC-ROX-071219	7/12/2019		37.64	NE	0.012	<0.001	0.014	0.028	0.01	<0.001	0.19	<0.005	0.19	0.0024 H J	<0.00097 H UJ	0.0005 J H J	<0.00097 H UJ	<0.00097 H UJ	<0.00097 H UJ	<0.00097 H UJ	<0.00097 H UJ	<0.029 H UJ	<0.0097 H UJ	<0.0097 H UJ	<0.0097 H UJ	<0.0097 H UJ
	ROST4PZC-ROX-101419	10/14/2019		35.97	NE	0.018	<0.001	0.0071	0.037	0.0024	<0.001	0.065	0.0041 J	0.069	0.0018	<0.00019	0.00046	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	ROST4PZC-ROX-010720	1/7/2020		36.95	NE	0.0031	<0.001	0.0023	0.0077	0.00073 J	<0.001	0.023	0.00093 J	0.024	0.0014	<0.0002	0.00038	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	ROST4PZC-ROX-041520	4/15/2020		36.71	NE	0.01	<0.001	0.0088	0.023	0.0049	<0.001	0.086	0.0016 J	0.088	0.002	<0.0002	0.00042	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	ROST4PZC-ROX-071520	7/15/2020		35.49	NE	0.009	<0.001	0.0084	0.023	0.0059	<0.001	0.087	0.0014 J	0.088	0.0015	<0.00019	0.00044 * J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	ROST4PZC-ROX-071520-DUP	7/15/2020		35.49	NE	0.01	<0.001	0.0089	0.026	0.0066	<0.001	0.095	0.0015 J	0.096	0.0017	<0.00019	0.00045 * J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	ROST4PZC-ROX-101920	10/19/2020		35.51	NE	0.012	<0.001	0.0091	0.028	0.0064	<0.001	0.083	0.00092 J	0.084	0.0019	<0.00019	0.001	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094	0.006 J H J	<0.0094	<0.0094
	ROST4PZC-ROX-011421	1/14/2021	34.95 - 44.95	36.44	NE	0.012	<0.001	0.011	0.027	0.0091	<0.001	0.13	0.0016 J	0.13	0.0014	<0.00021	<0.00021	<0.00021 U	<0.00021	<0.00021	<0.00021	<0.00021	<0.032	<0.011	<0.01 H UJ	<0.011	<0.011

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						VOCs									SVOCs													
						n-Propylbenzene	Tetrachloroethene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylenes	o-Xylenes	Xylenes (total)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	bis(2-Chloroethoxy)methane	bis(2-Ethylhexyl)phthalate	Butyl benzyl phthalate	p-Chloroaniline
Screening Values (mg/L)						0.7 [3]	0.005 [1]	1.0 [1]	0.07 [3]	0.07 [3]	0.002 [1]	10 [1]		10 [1]	0.42 [1]	0.21 [3]	2.1 [1]	0.00013 [1]	0.0002 [1]	0.00018 [1]	0.21 [3]	0.00017 [1]	28 [1]		0.006 [1]	1.4 [2]	0.028 [2]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																						
ROST-4-PZ(E)	ROST4PZE-ROX-040918	4/9/2018	34.75 - 44.75	38.93	NE	0.001	<0.001	0.0027	0.032	0.0087	<0.001	0.041	0.015	0.056	<0.0002	<0.0002	0.00066	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01
	ROST4PZE-ROX-071018	7/10/2018		39.52	NE	0.0022	<0.001	0.0027	0.032	0.0081	<0.001	0.03	0.013	0.044	0.0017	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.033	<0.011	<0.011	<0.011	<0.011
	ROST4PZE-ROX-101518	10/15/2018		39.76	NE	<0.001 UJ	<0.001 UJ	<0.001 UJ	0.0059	0.0018	<0.001 UJ	0.0028 J	0.0014 J	0.0042 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.15	<0.049	<0.049	<0.049	<0.049
	ROST4PZE-ROX-010719	1/7/2019		39.72	NE	<0.001	<0.001	<0.001	0.0013	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00038	<0.00038	0.0082	<0.00038	0.00011 J	<0.00038 UJ	<0.00038 UJ	<0.00038	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	ROST4PZE-ROX-041219	4/12/2019		39.55	NE	<0.001	<0.001	0.0011	0.0033	<0.001	<0.001	0.006	0.0014 J	0.0074 J	<0.0002	<0.0002	0.00054 J	<0.00098	<0.0002	<0.0002	<0.0002	<0.0002	0.0071 J	<0.0098	0.024 * J	<0.0098	<0.0098
	ROST4PZE-ROX-041219-DUP	4/12/2019		39.55	NE	<0.001	<0.001	0.00097 J	0.0025	<0.001	<0.001	0.0045 J	0.0011 J	0.0056 J	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097 UJ	<0.0097	<0.0097
	ROST4PZE-ROX-071219	7/12/2019		NM	NE	0.0091	<0.001	0.029	0.1	0.019	<0.001	0.21	<0.005	0.21	0.0027 H J	<0.00098 H UJ	0.002 H J	<0.00098 H UJ	<0.00098 H UJ	<0.00098 H UJ	<0.00098 H UJ	<0.00098 H UJ	<0.029 H UJ	<0.0098 H UJ	<0.0098 H UJ	<0.0098 H UJ	<0.0098 H UJ
	ROST4PZE-ROX-101519	10/15/2019		35.01	NE	0.025	<0.001	0.058	0.22	0.039	<0.001	0.64	0.13	0.77	0.002	<0.00019	0.0011	0.000041 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.028 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	ROST4PZE-ROX-010720	1/7/2020		36.10	NE	0.0064	<0.002	0.022	0.14	0.024	<0.002	0.29	0.033	0.32	0.0037	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029 UJ	<0.0098	0.0081 J	<0.0098	<0.0098
	ROST4PZE-ROX-041620	4/16/2020		35.90	NE	0.025	<0.005	0.04	0.18	0.028	<0.005	0.47	0.074	0.55	0.0022	<0.00019	0.001	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	ROST4PZE-ROX-071720	7/17/2020		34.73	NE	0.028	<0.002	0.034	0.18	0.033	<0.002	0.44	0.066	0.51	0.0016	<0.00019	0.00058	0.000062 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093	<0.0093	<0.0093	<0.0093
	ROST4PZE-ROX-071720-DUP	7/17/2020		34.73	NE	0.028	<0.002	0.035	0.18	0.032	<0.002	0.45	0.069	0.52	0.0017	<0.00019	0.00068	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0093	<0.0093	<0.0093	<0.0093
	ROST4PZE-ROX-101920	10/19/2020		34.59	NE	0.027	<0.005	0.042	0.16	0.031	<0.005	0.45	0.071	0.52	0.0013	<0.00019	0.00037	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094	<0.0094 H UJ	<0.0094	<0.0094
ROST-4-PZ(G)	ROST4PZG-ROX-040918	4/9/2018	34.28 - 44.28	40.07	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	0.000057 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098 UJ	<0.0098
	ROST4PZG-ROX-070918	7/9/2018		40.81	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.032	<0.011	<0.011	<0.011	<0.011
	ROST4PZG-ROX-101218	10/12/2018		40.93	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0097 UJ	<0.0097	<0.0097	<0.0097
	ROST4PZG-ROX-010719	1/7/2019		40.49	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	ROST4PZG-ROX-041119	4/11/2019		40.35	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	0.000023 J	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.028	<0.0095	<0.0095	<0.0095	<0.0095
	ROST4PZG-ROX-071219	7/12/2019		36.60	NE	<0.001	<0.001	0.0014	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096 UJ	<0.0096	<0.0096
	ROST4PZG-ROX-100719	10/7/2019		35.69	NE	<0.001	<0.001	0.0049	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	ROST4PZG-ROX-011320	1/13/2020		37.07	NE	<0.001	<0.001	0.0041	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	ROST4PZG-ROX-041520	4/15/2020		36.28	NE	<0.001	<0.001	0.0025	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	ROST4PZG-ROX-041520-DUP	4/15/2020		36.28	NE	<0.001	<0.001	0.0018	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.028 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ
	ROST4PZG-ROX-071320	7/13/2020		35.09	NE	0.0013	<0.001	0.0015	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094 UJ	<0.0094	<0.0094	<0.0094
	ROST4PZG-ROX-101620	10/16/2020		35.41	NE	0.0079	<0.001	0.0024	0.0022	0.0016	<0.001	0.0089	0.001 J	0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0095 UJ	<0.0095	<0.0095	<0.0095
	ROST4PZG-ROX-011321	1/13/2021	34.28 - 44.28	36.30	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00021	<0.00021	<0.00021	<0.00021 U	<0.00021	<0.00021 U	<0.00021	0.00011 J	<0.031	<0.01	<0.01	<0.01	<0.01
T-12	T12-ROX-041218	4/12/2018	46.83 - 72.83	43.03	NE	0.022	<0.01	0.085	0.047	0.0074 J	<0.01	0.34	0.011 J	0.35	0.00026	<0.0002	0.00015 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	T12-ROX-071118	7/11/2018		44.12	NE	0.055	<0.01	0.097	0.061	0.012	<0.01	0.39	0.013 J	0.4	0.00027	<0.00022	0.000081 J	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.033	<0.011	<0.011 U	<0.011	<0.011
	T12-ROX-101618	10/16/2018		43.90	NE	0.056	<0.01	0.085	0.06	0.016	<0.01	0.33	0.014 J	0.35	0.00039	<0.00019	0.00016 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	T12-ROX-011019	1/10/2019		44.00	NE	0.016	<0.01	0.051	0.023	<0.01	<0.01	0.12	<0.05	0.13	0.00042	<0.00019	0.00022	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0071 J	<0.0095	<0.0095	<0.0095	<0.0095
	T12-ROX-041719	4/17/2019		43.38	NE	0.017	0.013	0.071	0.033	0.0069 J	<0.01	0.16	0.0063 J	0.17	0.00033	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	T12-ROX-041719-PCE	4/17/2019		43.38	NE		<0.005 H UJ																				
	T12-ROX-071519	7/15/2019		39.74	NE	0.018	<0.01	0.1	0.015	<0.01	<0.01	0.097	<0.05	0.1	0.00023	<0.00019	0.000073 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097
	T12-ROX-101519	10/15/2019		38.40	NE	0.018	<0.01	0.065	0.016	0.008 J	<0.01	0.15	0.01 J	0.16	0.00022	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095
	T12-ROX-010920	1/9/2020		40.17	NE	0.0096 J	<0.01	0.038	0.02	0.0083 J	<0.01	0.13	<0.05	0.14	0.00044 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0095 H UJ	<0.0096	<0.0096
	T12-ROX-010920-DUP	1/9/2020		40.17	NE	0.0097 J	<0.01	0.043	0.023	0.0087 J	<0.01	0.15	<0.05	0.16	<0.00019 UJ	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0095 H	<0.0096	<0.0096
	T12-ROX-041720	4/17/2020		39.44	NE	0.0078 J	<0.01	0.039	0.014	0.006 J	<0.01	0.077	<0.05	0.081 J	0.00024 B	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.029	<0.0098	<0.0098	<0.0098	<0.0098
	T12-ROX-071620	7/16/2020		38.30	NE	0.044	<0.01	0.066	0.021	0.011	<0.01	0.13	<0.05	0.13	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096
	T12-ROX-102120	10/21/2020		38.57	NE	0.0041 J	<0.005	0.029	0.0069	0.0052	<0.005	0.037	0.0032 J	0.04 J	<0.0002	0.000081 J	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.0002	<0.03	<0.0099	<0.0099	<0.0099	<0.0099
	T12-ROX-102120-DUP	10/21/2020		38.57	NE	0.0042 J	<0.005	0.031	0.0071	0.0056	<0.005	0.036	0.0032 J	0.04 J	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.0002	<0.031	<0.01	<0.01	<0.01	<0.01
	T12-ROX-011221	1/12/2021	46.83 - 72.83	39.48	NE	<0.01	<0.01	0.027	<0.01	0.0059 J	<0.01	0.033 J	<0.05	0.036 J	0.00036	<0.00019	0.00015 J	0.000077 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.028	<0.0094	<0.0094	<0.0094	<0.0094
	T12-ROX-011221-DUP	1/12/2021		39.48	NE	<0.01	<0.01	0.025	<0.01	<0.01	<0.01	0.031 J	<0.05	0.034 J	0.00031	<0.00019	0.0001 J	0.00019	0.00019	0.00022	0.00024	0.00023	<0.029	<0.0095	<0.0095	<0.0095	<0.0095

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																				
						Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol	Di-n-butyl phthalate	Di-n-octyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	2-Nitroaniline	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
Screening Values (mg/L)						0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]	0.7 [1]	0.14 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.105 [3]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																				
MW-01	MW1-ROX-040618	4/6/2018	48.80 - 58.80	40.82	NE	<0.0002	<0.0002 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	0.000021 J	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW1-ROX-070618	7/6/2018		41.40	NE	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00022	<0.00022	<0.011	<0.00022	<0.00022	<0.00022	<0.011	<0.022	<0.011	<0.022	<0.00022	<0.011	<0.00022	<0.011
	MW1-ROX-101018	10/10/2018		41.17	NE	<0.000095	<0.000095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.000095	<0.000095	<0.0095	<0.000095	<0.000095	<0.000095	<0.0095	<0.0095	<0.024	<0.024	<0.000095	<0.0095	<0.000095	<0.0095
	MW1-ROX-010819	1/8/2019		40.96	NE	<0.0002	<0.0002 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	0.0043 J	<0.0002	<0.0002	<0.01	<0.0002 UJ	0.00002 J	0.000023 J	<0.01	<0.02	<0.01	<0.02	0.000057 J	<0.01	<0.0002	<0.01
	MW1-ROX-041119	4/11/2019		40.50	NE	<0.00019	<0.00019 UJ	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019 UJ	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	MW1-ROX-071119	7/11/2019		38.16	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW1-ROX-101119	10/11/2019		35.72	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097 UJ	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097 UJ	<0.019 UJ	<0.0097	<0.019 UJ	<0.00019	<0.0097 UJ	<0.00019	<0.0097
	MW1-ROX-010920	1/9/2020		37.09	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW1-ROX-040920	4/9/2020		36.54	NE	<0.00019	<0.00019	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.00019	<0.00019	<0.0099 H UJ	<0.00019	<0.00019	<0.00019	<0.0099 H UJ	<0.02 H UJ	<0.0099 H UJ	<0.02 H UJ	<0.00019	<0.0099 H UJ	<0.00019	<0.0099 H UJ
	MW1-ROX-071320	7/13/2020		35.52	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094 UJ	<0.0094 UJ	<0.00019	<0.00019	<0.0094	<0.00019	<0.00019	<0.00019	<0.0094 UJ	<0.019 UJ	<0.0094	<0.019 UJ	<0.00019	<0.0094 UJ	<0.00019	<0.0094
	MW1-ROX-100920	10/9/2020		36.06	NE	<0.00019	<0.00019	<0.0095	0.00089 J	<0.0095	0.0034 J	<0.0095	<0.0095 UJ	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	0.000075 J	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW1-ROX-011221	1/12/2021	48.80 - 58.80	37.37	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	<0.00021	0.00018 J	0.00026	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
MW-02	MW2-ROX-040918	4/9/2018	49.87 - 59.87	42.10	NE	<0.0002	<0.0002	<0.01 UJ	<0.01	0.013	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.015	0.031	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW2-ROX-071018	7/10/2018		42.59	NE	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00022	<0.00022	<0.011	0.000062 J	0.0087	0.0069	<0.011	<0.022	<0.011	<0.022	<0.00022	<0.011	<0.00022	<0.011
	MW2-ROX-101218	10/12/2018		42.71	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098 UJ	<0.0002	<0.0002	<0.0098	<0.0002	0.0048	0.003 J	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098 UJ	<0.0002	<0.0098 UJ
	MW2-ROX-101218-DUP	10/12/2018		42.71	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097 UJ	<0.00019	<0.00019	<0.0097	<0.00019	0.0051	0.0018 J	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097 UJ	<0.00019	<0.0097 UJ
	MW2-ROX-010819	1/8/2019		42.43	NE	<0.0002	<0.0002 UJ	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	0.0029 J	<0.0002	<0.0002	<0.0099	<0.0002 UJ	0.012	0.017	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW2-ROX-010819-DUP	1/8/2019		42.43	NE	<0.0002	<0.0002 UJ	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002 UJ	0.013	0.018	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW2-ROX-041619	4/16/2019		41.80	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	0.014	0.031	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW2-ROX-070919	7/9/2019		37.86	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.016	0.031	<0.0095	0.0049 J	<0.0095	<0.019	0.000021 J	<0.0095	<0.00019	<0.0095
	MW2-ROX-101019	10/10/2019		36.99	NE	<0.00025	<0.00025	<0.013	0.00061 J	<0.013	<0.013	<0.013	<0.013	<0.00025	<0.00025	<0.013	<0.00025	0.011	0.022	<0.013	<0.025	<0.013	<0.025	<0.00025	<0.013	<0.00025	<0.013
	MW2-ROX-010920	1/9/2020		38.52	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.0092	0.013	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW2-ROX-040820	4/8/2020		37.69	NE	<0.00019	<0.00019	<0.0096	<0.01 H UJ	<0.0096	<0.01 H UJ	<0.0096	<0.0096	<0.00019	<0.00019	0.0014 J	<0.00019	0.018	0.032	<0.0096	0.0011 J	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW2-ROX-071520	7/15/2020		36.85	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	0.0085	0.0092	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW2-ROX-101620	10/16/2020		37.48	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.00019	<0.00019	<0.0094	<0.00019	0.0066	0.0052	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094 UJ
	MW2-ROX-011421	1/14/2021	49.87 - 59.87	38.43	NE	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00021	<0.00021	<0.011	<0.00021	0.0068	0.009	<0.011	<0.021	<0.011	<0.021	<0.00021	<0.011	<0.00021	<0.011
MW-03	MW3-ROX-040518	4/5/2018	34.67 - 44.67	27.98	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098 UJ	<0.0002	<0.0002	<0.0098	<0.0002	0.00058	0.00024	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098 UJ
	MW3-ROX-070618	7/6/2018		28.30	NE	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00021	<0.00021	<0.011	<0.00021	0.00078	0.00036	<0.011	<0.021	<0.011	<0.021	<0.00021	<0.011	<0.00021	<0.011
	MW3-ROX-100518	10/5/2018		28.18	NE	<0.0002	0.000062 J	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	0.000056 J	0.00058	0.000099 J	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW3-ROX-010919	1/9/2019		28.05	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.00039	0.00015 J	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	0.000034 J	<0.01
	MW3-ROX-040919	4/9/2019		27.50	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.00033	0.0002	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW3-ROX-071019	7/10/2019		22.66	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	0.01	<0.0002	0.0012	0.00062	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW3-ROX-101419	10/14/2019		22.66	NE	<0.00019	<0.00019	<0.0095 UJ	<0.0095 UJ	<0.0095	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.00019	<0.00019	<0.0095 UJ	<0.00019	0.00044	0.000071 J	<0.0095	<0.019	<0.0095 UJ	<0.019	<0.00019	<0.0095	<0.00019	<0.0095 UJ
	MW3-ROX-011020	1/10/2020		24.02	NE	<0.00019 UJ	<0.00019 UJ	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.00076	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW3-ROX-040820	4/8/2020		23.42	NE	<0.00019	<0.00019	<0.0096	<0.01 H UJ	<0.0096	<0.01 H UJ	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.00027	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW3-ROX-071420	7/14/2020		22.48	NE	<0.00019	<0.00019	<0.0096	0.00031 J * J	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.00061	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW3-ROX-101520	10/15/2020		23.53	NE	<0.00019	<0.00019	<0.0094	<0.0094 U	<0.0094	<0.0094	<0.0094	<0.0094 UJ	<0.00019	<0.00019	<0.0094	<0.00019	<0.00019	<0.00019	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094 UJ
	MW3-ROX-010821	1/8/2021	34.67 - 44.67	24.71	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 UJ	0.000091 J	<0.00021	<0.01	<0.00021	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	0.000052 J	<0.01
MW-04	MW4-ROX-040918	4/9/2018	45.06 - 55.06	39.32	NE	<0.0002	<0.0002	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW4-ROX-071018	7/10/2018		39.60	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	0.000044 J	0.000022 J	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW4-ROX-100818	10/8/2018		39.61	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	0.000078 J	<0.00019	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	MW4-ROX-010719	1/7/2019		39.22	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.00026	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW4-ROX-040819	4/8/2019		38.97	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096 U	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.000056 J	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW4-ROX-070819	7/8/2019		34.47	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	0.0013 J	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000084 J	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW4-ROX-100819	10/8/2019		34.07	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.000049 J	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW4-ROX-010620	1/6/2020		35.54	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	0.0025 J *	<0.00019	<0.0096	<0.00019	<0.0096
	MW4-ROX-010620-PCP	1/6/2020		35.54	NE																		<0.019				
	MW4-ROX-040620	4/6/2020		34.92	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW4-ROX-070820	7/8/2020		33.88	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.00017 J	0.000073 J	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW4-ROX-101220	10/12/2020		34.49	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094 UJ	<0.00019	<0.00019	<0.0094	<0.00019	<0.00019	<0.00019	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094 UJ
	MW4-ROX-011821	1/18/2021	45.06 - 55.06	35.93	NE	<0.00076	<0.00076	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00076	<0.00076	<0.0095	<0.00076	<0.00076	<0.00076	<0.0095	<0.019	<0.0095	<0.019	<0.00076	<0.0095	<0.00076	<0.0095

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																				
						Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol	Di-n-butyl phthalate	Di-n-octyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	2-Nitroaniline	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
Screening Values (mg/L)						0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]	0.7 [1]	0.14 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.105 [3]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																				
MW-05	MW5-ROX-040918	4/9/2018	33.97 - 43.97	27.78	NE	<0.0002	<0.0002	<0.0099 UJ	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099 UJ
	MW5-ROX-071018	7/10/2018		27.87	NE	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00022	<0.00022	<0.011	0.000074 J	<0.00022	<0.00022	<0.011	<0.022	<0.011	<0.022	<0.00022	<0.011	<0.00022	<0.011
	MW5-ROX-101218	10/12/2018		27.95	NE	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011 UJ	<0.00022	<0.00022	<0.011	<0.00022	0.000026 J	<0.00022	<0.011	<0.022	<0.011	<0.022	<0.00022	<0.011 UJ	<0.00022	<0.011 UJ
	MW5-ROX-010819	1/8/2019		27.65	NE	<0.0002	<0.0002 UJ	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002 UJ	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	0.000056 J	<0.0098	<0.0002	<0.0098
	MW5-ROX-041519	4/15/2019		26.96	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW5-ROX-071219	7/12/2019		22.37	NE	<0.00019 H UJ	<0.00019 H UJ	<0.0096 H UJ	<0.0096 H UJ	<0.0096 H UJ	<0.0096 H UJ	0.00052 J H J	<0.0096 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.0096 H UJ	<0.00019 H UJ	0.00062 H J	<0.00019 H UJ	<0.0096 H UJ	<0.019 H UJ	<0.0096 H UJ	<0.019 H UJ	<0.00019 H UJ	<0.0096 H UJ	<0.00019 H UJ	<0.0096 H UJ
	MW5-ROX-101519	10/15/2019		22.23	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.000081 J	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW5-ROX-010620	1/6/2020		23.68	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW5-ROX-041320	4/13/2020		23.11	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW5-ROX-071420	7/14/2020		22.18	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.00019	<0.00019	<0.0094	<0.00019	<0.00019	<0.00019	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094
	MW5-ROX-101420	10/14/2020		23.10	NE	<0.00019	<0.00019	<0.0095	<0.0095 U	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095 UJ
	MW5-ROX-011121	1/11/2021		24.48	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.000086 J	<0.00021	<0.01	0.000044 J	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	0.000041 J	<0.01
MW-06A	MW6A-ROX-040518	4/5/2018	33.85 - 43.85	29.83	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 UJ	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	0.000052 J	<0.01 UJ
	MW6A-ROX-070518	7/5/2018		30.10	NE	<0.00021 U	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	<0.001	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	<0.00021 U	<0.01
	MW6A-ROX-100418	10/4/2018		30.10	NE	0.000072 J	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	0.000062 J	<0.0002	<0.0099	<0.0002	<0.00059 UJ	<0.00059 UJ	<0.0099	<0.02	<0.0099	<0.02	0.000094 J	<0.0099	0.00007 J	<0.0099
	MW6A-ROX-010819	1/8/2019		29.77	NE	<0.0002	<0.0002 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002 UJ	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	0.00016 J	<0.01
	MW6A-ROX-040519	4/5/2019		29.34	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW6A-ROX-071119	7/11/2019		24.57	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01 UJ	<0.01 UJ	<0.00021	<0.00021	<0.01	<0.00021	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01 UJ	<0.00021	<0.01 UJ
	MW6A-ROX-101019	10/10/2019		24.39	NE	<0.00025	<0.00025	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.00025	<0.00025	<0.013	<0.00025	<0.00025	0.0001 J	<0.013	<0.025	<0.013	<0.025	<0.00025	<0.013	<0.00025	<0.013
	MW6A-ROX-010820	1/8/2020		26.03	NE	<0.00019	<0.00019	<0.0096	<0.0096 UJ	<0.0096	<0.0096 UJ	<0.0096 UJ	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096 UJ	<0.019 UJ	<0.0096 UJ	<0.019 UJ	<0.00019	<0.0096 UJ	<0.00019	<0.0096
	MW6A-ROX-041320	4/13/2020		25.14	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6A-ROX-071620	7/16/2020		24.35	NE	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	<0.00019	0.000058 J	<0.0093	<0.019	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW6A-ROX-100820	10/8/2020		25.23	NE	<0.0002	<0.0002	<0.01	<0.01 U	<0.01	<0.01	<0.01	<0.01 UJ	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6A-ROX-010721	1/7/2021	33.85 - 43.85	26.50	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	<0.00021	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
MW-06B	MW6B-ROX-040518	4/5/2018	64.05 - 69.05	29.95	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099 UJ	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099 UJ
	MW6B-ROX-070518	7/5/2018		30.15	NE	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00022	<0.00022	<0.011	<0.00022	<0.00022	<0.00022	<0.011	<0.022	<0.011	<0.022	<0.00022	<0.011	<0.00022	<0.011
	MW6B-ROX-100418	10/4/2018		30.13	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6B-ROX-010819	1/8/2019		29.83	NE	<0.0002	<0.0002 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002 UJ	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6B-ROX-040519	4/5/2019		29.40	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	0.00044 J	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6B-ROX-071119	7/11/2019		24.62	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 UJ	<0.00021	<0.00021	<0.01	<0.00021	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01 UJ	<0.00021	<0.01 UJ
	MW6B-ROX-101019	10/10/2019		24.43	NE	<0.00025	<0.00025	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.00025	<0.00025	<0.013	<0.00025	<0.00025	<0.00025	<0.013	<0.025	<0.013	<0.025	<0.00025	<0.013	<0.00025	<0.013
	MW6B-ROX-010820	1/8/2020		26.09	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	0.0022 J	<0.00019	<0.0096	<0.00019	<0.0096
	MW6B-ROX-010820-PCP	1/8/2020		26.09	NE																		<0.019				
	MW6B-ROX-041320	4/13/2020		25.19	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW6B-ROX-071620	7/16/2020		24.40	NE	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	<0.00019	<0.00019	<0.0093	<0.019	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW6B-ROX-100820	10/8/2020		25.28	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.00019	<0.00019	<0.0095	<0.00019	0.0001 J	0.000086 J	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW6B-ROX-010721	1/7/2021		26.50	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002 U	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-06C	MW6C-ROX-040518	4/5/2018	84.95 - 89.95	29.74	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 UJ	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW6C-ROX-070518	7/5/2018		29.93	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	<0.00021	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
	MW6C-ROX-070518-DUP	7/5/2018		29.93	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6C-ROX-100418	10/4/2018		29.93	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW6C-ROX-010819	1/8/2019		29.62	NE	<0.00019	<0.00019 UJ	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019 UJ	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	MW6C-ROX-040519	4/5/2019		29.20	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000023 J	0.000035 J	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6C-ROX-071119	7/11/2019		24.42	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099 UJ	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099 UJ	<0.0002	<0.0099 UJ
	MW6C-ROX-101019	10/10/2019		24.23	NE	<0.00025	<0.00025	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.00025	<0.00025	<0.013	<0.00025	<0.00025	<0.00025	<0.013	<0.025	<0.013	<0.025	<0.00025	<0.013	<0.00025	<0.013
	MW6C-ROX-101019-DUP	10/10/2019		24.23	NE	<0.00025	<0.00025	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.00025	<0.00025	<0.013	<0.00025	<0.00025	<0.00025	<0.013	<0.025	<0.013	<0.025	<0.00025	<0.013	<0.00025	<0.013
	MW6C-ROX-010820	1/8/2020		25.86	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW6C-ROX-041320	4/13/2020		24.88	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6C-ROX-071620	7/16/2020		24.19	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.00019	<0.00019	<0.0094	<0.00019	<0.00019	<0.00019	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094
	MW6C-ROX-100820	10/8/2020		25.07	NE	<0.00019	<0.00019	<0.0095	0.00041 J	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	0.000073 J	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW6C-ROX-010721	1/7/2021		26.29	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																			
						Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol	Di-n-butyl phthalate	Di-n-octyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	2-Nitroaniline	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
Screening Values (mg/L)						0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]	0.7 [1]	0.14 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.105 [3]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
MW-06D	MW6D-ROX-040518	4/5/2018	104.72 - 109.72	29.52	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099 UJ	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099 UJ
	MW6D-ROX-070518	7/5/2018		29.76	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002 U	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6D-ROX-100418	10/4/2018		29.76	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	0.000023 J	0.000026 J	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW6D-ROX-010819	1/8/2019		29.45	NE	<0.0002	<0.0002 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002 UJ	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6D-ROX-040519	4/5/2019		29.02	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW6D-ROX-071119	7/11/2019		24.24	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 UJ	0.000023 J	<0.0002	<0.01	0.000048 J	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01 UJ	0.000022 J J	<0.01 UJ
	MW6D-ROX-101019	10/10/2019		24.07	NE	<0.00025	<0.00025	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.00025	<0.00025	<0.013	<0.00025	<0.00025	<0.00025	<0.013	<0.025	<0.013	<0.025	<0.00025	<0.013	<0.00025	<0.013
	MW6D-ROX-010820	1/8/2020		25.68	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW6D-ROX-041320	4/13/2020		24.85	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW6D-ROX-041320-DUP	4/13/2020		24.85	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6D-ROX-071620	7/16/2020		24.04	NE	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	<0.00019	<0.00019	<0.0093	<0.019	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093
	MW6D-ROX-100820	10/8/2020		24.90	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	0.0001 J	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW6D-ROX-010721	1/7/2021	104.72 - 109.72	26.13	NE	<0.00019	<0.00019	<0.0097	0.00023 J	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
MW-07	MW7-ROX-040918	4/9/2018	42.92 - 52.92	41.38	NE	<0.0002	<0.0002	<0.0099 UJ	<0.0099	<0.0099 UJ	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	0.0025 J	<0.0002	0.0018	0.0027	<0.0099 UJ	<0.02 UJ	<0.0099	<0.02 UJ	0.000082 J	0.013 J	<0.0002	<0.0099 UJ
	MW7-ROX-040918-DUP	4/9/2018		41.38	NE	<0.0002	<0.0002	<0.01 UJ	<0.01	0.0056 J	<0.01	<0.01	<0.01	<0.0002	<0.0002	0.0025 J	<0.0002	0.0023	0.0029	0.003 J	0.0034 J	<0.01	<0.02	0.00011 J	0.087 J	<0.0002	<0.01 UJ
	MW7-ROX-071018	7/10/2018		41.64	NE	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00022	0.000089 J	0.0018 J	<0.00022	0.0021	0.0029	<0.011	0.0026 J	<0.011	<0.022	0.00013 J	0.18	<0.00022	<0.011
	MW7-ROX-071018-DUP	7/10/2018		41.64	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	0.002 J	<0.0002	0.0022	0.0033	<0.0098	0.0028 J	<0.0098	<0.02	0.00015 J	0.18	<0.0002	<0.0098
	MW7-ROX-100818	10/8/2018		41.69	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	0.00021	<0.0098	<0.0002	0.0014	0.0019	<0.0098	0.0022 J	<0.0098	<0.02	0.00029	0.086	0.000058 J	<0.0098
	MW7-ROX-010719	1/7/2019		41.25	NE	<0.00019	<0.00019 UJ	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	0.00014 J	0.001 J	<0.00019 UJ	0.0017	0.0024	<0.0095	0.0017 J	<0.0095	<0.019	0.00029	0.061	<0.00019	<0.0095
	MW7-ROX-040819	4/8/2019		40.94	NE	<0.00019	<0.00095 UJ	<0.0095	<0.0095	0.0063 J	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	0.00099 J	<0.00095 UJ	0.0018	0.0027	<0.0095	<0.019	<0.0095	<0.019	0.00021	0.13	<0.00019	<0.0095
	MW7-ROX-040819-DUP	4/8/2019		40.94	NE	<0.00019	<0.00095 UJ	<0.0095	<0.0095	0.0067 J	<0.0095	<0.0095 U	<0.0095	<0.00019	<0.00019	<0.0095	<0.00095 UJ	0.0017	0.0026	<0.0095	<0.019	<0.0095	<0.019	0.00026	0.16	<0.00019	<0.0095
	MW7-ROX-070819	7/8/2019		36.58	NE	<0.00019	<0.00019	<0.0096	<0.0096	0.0046 J	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	0.0034 J	<0.00019	0.0022	0.0035	<0.0096	0.0027 J	<0.0096	<0.019	<0.00019	0.08 J	<0.00019	<0.0096
	MW7-ROX-070819-DUP	7/8/2019		36.58	NE	<0.00019	<0.00019	<0.0096	<0.0096	0.0044 J	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	0.0038 J	<0.00019	0.0027	0.0042	<0.0096	0.0028 J	<0.0096	<0.019	<0.00019	0.049 J	<0.00019	<0.0096
	MW7-ROX-100819	10/8/2019		36.10	NE	<0.00019	<0.00019	<0.0096	<0.0096	0.0045 J	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	0.0022 J	<0.00019	0.0017 J	0.0026 J	<0.0096	0.0024 J	<0.0096	<0.019	<0.00019	0.14	<0.00019	<0.0096
	MW7-ROX-100819-DUP	10/8/2019		36.10	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.00073 J	0.0012 J	<0.0096	0.0012 J	<0.0096	<0.019	<0.00019	0.07	<0.00019	<0.0096
	MW7-ROX-010620	1/6/2020		37.60	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.0024	0.0033	<0.0096	0.0012 J	<0.0096	0.0025 J *	<0.00019	0.096	<0.00019	<0.0096
	MW7-ROX-010620-DUP	1/6/2020		37.60	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.0025	0.0031	<0.0096	0.0012 J	<0.0096	0.0025 J *	<0.00019	0.1	<0.00019	<0.0096
	MW7-ROX-010620-DUP-PCP	1/6/2020		37.60	NE																		<0.019				
	MW7-ROX-010620-PCP	1/6/2020		37.60	NE																		<0.019				
	MW7-ROX-040620	4/6/2020		36.84	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0004 UJ	<0.0002	<0.0099	<0.0002	0.0016	0.0026	<0.0099	0.0015 J	<0.0099	<0.02	<0.0004 UJ	0.061	<0.0002	<0.0099
	MW7-ROX-040620-DUP	4/6/2020		36.84	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.02 UJ	<0.0099	<0.0004 UJ	<0.0002	<0.0099	<0.0002	0.0019	0.0027	<0.0099	0.0016 J	<0.0099	<0.02	<0.0004 UJ	0.067	<0.0002	<0.0099
	MW7-ROX-070920	7/9/2020		35.98	NE	<0.00019	<0.00019	<0.0095	<0.0095	0.0044 J	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.0023	0.0031	0.0021 J	0.003 J	<0.0095	<0.019	<0.00019	0.14	<0.00019	<0.0095 UJ
	MW7-ROX-070920-DUP	7/9/2020		35.98	NE	<0.00019	<0.00019	<0.0094	<0.0094	0.0044 J	<0.0094	<0.0094	<0.0094	<0.00019	<0.00019	<0.0094	<0.00019	0.0023	0.0033	0.0021 J	0.0029 J	<0.0094	<0.019	0.00024	0.14	<0.00019	<0.0094 UJ
	MW7-ROX-101220	10/12/2020		36.63	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019 UJ	0.0025	0.0021 J	0.0023 J	<0.0096	<0.019	<0.00019	0.063	<0.00019	<0.0096 UJ
	MW7-ROX-101220-DUP	10/12/2020		36.63	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094 UJ	<0.00019	<0.00019	<0.0094	<0.00019	0.0018 J	0.0025	0.0021 J	0.0024 J	<0.0094	<0.019	<0.00019	0.073	<0.00019	<0.0094 UJ
	MW7-ROX-011821	1/18/2021	42.92 - 52.92	37.96	NE	<0.00076	<0.00076	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00076	<0.00076	<0.0095	<0.00076	0.001	0.0015	<0.0095	0.00065 J	<0.0095	<0.019	<0.00076	0.084	<0.00076	<0.0095
	MW7-ROX-011821-DUP	1/18/2021		37.96	NE	<0.00075	<0.00075	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00075	<0.00075	<0.0093	<0.00075	0.0012	0.0018	<0.0093	0.00073 J	<0.0093	<0.019	<0.00075	0.07	<0.00075	<0.0093
MW-08	MW8-ROX-040918	4/9/2018	33.60 - 43.60	32.27	NE	<0.0002	<0.0002	<0.01 UJ	<0.01	0.0093 J	<0.01	<0.01	<0.01	<0.0002	<0.0002	0.0018 J	<0.0002	0.0098	0.0035	<0.01	0.0011 J	<0.01	0.0019 J	0.00013 J	0.08	<0.0002	<0.01 UJ
	MW8-ROX-071018	7/10/2018		32.42	NE	<0.00021	<0.00021	<0.011	<0.011	0.0052 J	<0.011	<0.011	<0.011	<0.00021	0.0002 J	0.0028 J	<0.00021	0.0074	0.0031	<0.011	<0.021	<0.011	<0.021	0.00011 J	0.19	<0.00021	<0.011
	MW8-ROX-100818	10/8/2018		32.45	NE	<0.0002	0.000075 J	<0.0098	<0.0098	0.0048 J	<0.0098	<0.0098	<0.0098	<0.0002	0.00031	0.0031 J	0.000057 J	0.0057 J	0.0023	<0.0098	<0.02	<0.0098	0.0024 J	0.00013 J	0.085	<0.0002	<0.0098
	MW8-ROX-100818-DUP	10/8/2018		32.45	NE	<0.00098	<0.0002	<0.0098	<0.0098	0.0046 J	<0.0098	<0.0098	<0.0098	<0.0002	0.00055	0.0027 J	<0.0002	0.0095 J	0.0035	<0.0098	<0.02	<0.0098	0.0023 J	0.00015 J	0.09	<0.00098	<0.0098
	MW8-ROX-010719	1/7/2019		32.04	NE	<0.00019	<0.00019 UJ	<0.0095	<0.0095	0.0045 J	<0.0095	<0.0095	<0.0095	<0.00019	0.00036	0.0039 J	<0.00019 UJ	0.0072	0.0046	<0.0095	<0.019	<0.0095	0.0023 J	0.00023	0.057	<0.00019	<0.0095
	MW8-ROX-010719-DUP	1/7/2019		32.04	NE	<0.00019	<0.00019 UJ	<0.0095	<0.0095	0.0039 J	<0.0095	<0.0095	<0.0095	<0.00019	0.00031	0.0038 J	<0.00019 UJ	0.0074	0.0049	<0.0095	<0.019	<0.0095	0.0024 J	<0.00019	0.055	<0.00019	<0.0095
	MW8-ROX-040819	4/8/2019		31.70	NE	<0.00019	<0.00019	<0.0095	<0.0095	0.008 J	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	0.0044 J	<0.00019	0.0084	0.0045	<0.0095	<0.019	<0.0095	0.0029 J	0.00021	0.092	<0.00019	<0.0095
	MW8-ROX-070819	7/8/2019		27.15	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	0.0034 J	<0.0002	0.0083	0.0039	<0.01	0.0014 J	<0.01	0.0025 J	<0.0002	0.31	<0.0002	<0.01
	MW8-ROX-100819	10/8/2019		26.91	NE	<0.00019 H UJ	<0.00019 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.00019 H UJ	<0.00019 H UJ	0.0027 J H J	<0.00019 H UJ	0.0082 H J	0.0019 H J	<0.0095 H UJ	<0.019 H UJ	<0.0095 H UJ	<0.019 H UJ	<0.00019 H UJ	0.27 H J	<0.00019 H UJ	<0.0095 H UJ
	MW8-ROX-010620	1/6/2020		28.35	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	0.0021 J	<0.00019	0.01	0.0015	<0.0096	<0.019	<0.0096	0.0025 J *	<0.00019	0.2	<0.00019	<0.0096
	MW8-ROX-010620-PCP	1/6/2020		28.35	NE																		<0.019				
	MW8-ROX-040620	4/6/2020		27.70	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	0.0026 J	<0.0002	0.0076	0.00087	<0.0098	<0.02	<0.0098	<0.02	<0.0002	0.091	<0.0002	<0.0098
	MW8-ROX-070920	7/9/2020		26.69	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	0.0002	<0.0096	<0.00019	0.0077	0.0011	<0.0096	<0.019	<0.0096	<0.019	0.000061 J	0.31	<0.00019	<0.0096 UJ
	MW8-ROX-101220	10/12/2020		27.54	NE	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093 UJ	<0.00019	<0.00019	0.0014 J	<0.00019	0.0082	0.0016	<0.0093	<0.019	<0.0093	<0.019	<0.00019	0.26	<0.00019	<0.0093 UJ
	MW8-ROX-011821	1/18/2021	33.60 - 43.60	28.95	NE	<0.00075	<0.00075	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.00075	<0.00075	<0.0094	<0.00075	0.0051	0.00041 J	<0.0094	<0.019	<0.0094	<0.019	<0.00075	0.12	<0.00075	<0.0094

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																				
						Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol	Di-n-butyl phthalate	Di-n-octyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	2-Nitroaniline	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
Screening Values (mg/L)						0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]	0.7 [1]	0.14 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.105 [3]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																				
MW-09	MW9-ROX-040618	4/6/2018	46.04 - 56.04	42.29	NE	<0.0002	<0.0002 UJ	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	0.000024 J	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	0.000034 J	<0.0099
	MW9-ROX-070918	7/9/2018		42.82	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW9-ROX-101018	10/10/2018		42.88	NE	<0.000095	<0.000095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.000095	<0.000095	<0.0095	<0.000095	<0.000095	<0.000095	<0.0095	<0.0095	<0.024	<0.024	<0.000095	<0.0095	<0.000095	<0.0095
	MW9-ROX-011419	1/14/2019		42.97	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW9-ROX-011419-DUP	1/14/2019		42.97	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW9-ROX-041119	4/11/2019		42.54	NE	<0.00019	<0.00019 UJ	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019 UJ	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW9-ROX-071019	7/10/2019		38.74	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000025 J	0.000026 J	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW9-ROX-071019-DUP	7/10/2019		38.74	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW9-ROX-101419	10/14/2019		38.08	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096 UJ	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW9-ROX-011320	1/13/2020		38.95	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW9-ROX-011320-DUP	1/13/2020		38.95	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW9-ROX-041020	4/10/2020		38.51	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW9-ROX-071720	7/17/2020		37.25	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 UJ	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW9-ROX-100920	10/9/2020		37.43	NE	<0.00019	<0.00019	<0.0096	0.00062 J	<0.0096	0.0032 J	<0.0096	<0.0096 UJ	<0.00019	<0.00019	<0.0096	<0.00019	0.000077 J	0.0001 J	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW9-ROX-011221	1/12/2021	46.04 - 56.04	38.79	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-10	MW10-ROX-040518	4/5/2018	44.43 - 54.43	41.94	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 UJ	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW10-ROX-070918	7/9/2018		42.88	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW10-ROX-101018	10/10/2018		42.87	NE	<0.000095	<0.000095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.000095	<0.000095	<0.0095	<0.000095	<0.000095	<0.000095	<0.0095	<0.0095	<0.024	<0.024	<0.000095	<0.0095	<0.000095	<0.0095
	MW10-ROX-011119	1/11/2019		43.06	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW10-ROX-042219	4/22/2019		42.54	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.000034 J	<0.00019 U	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW10-ROX-071219	7/12/2019		39.33	NE	<0.0002 H UJ	<0.0002 H UJ	<0.01 H UJ	<0.01 H UJ	<0.01 H UJ	<0.01 H UJ	<0.01 H UJ	<0.01 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.01 H UJ	<0.0002 H UJ	0.000021 J H J	0.000032 J H J	<0.01 H UJ	<0.02 H UJ	<0.01 H UJ	<0.02 H UJ	<0.0002 H UJ	<0.01 H UJ	<0.0002 H UJ	<0.01 H UJ
	MW10-ROX-101419	10/14/2019		38.40	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095 UJ	<0.00019	0.000025 J	0.000026 J	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW10-ROX-011020	1/10/2020		39.05	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	0.00012 J	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	MW10-ROX-041020	4/10/2020		38.59	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW10-ROX-071520	7/15/2020		37.15	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	0.000057 J	<0.01
	MW10-ROX-100920	10/9/2020		37.26	NE	<0.00019	<0.00019	<0.0095	0.00024 J	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW10-ROX-011221	1/12/2021	44.43 - 54.43	35.88	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-11	MW11-ROX-040618	4/6/2018	41.66 - 51.66	39.98	NE	<0.0002	<0.0002 UJ	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW11-ROX-070918	7/9/2018		40.54	NE	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00021	<0.00021	<0.011	<0.00021	<0.00021	<0.00021	<0.011	<0.021	<0.011	<0.021	<0.00021	<0.011	<0.00021	<0.011
	MW11-ROX-101118	10/11/2018		40.65	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098 UJ	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098 UJ	<0.0002	<0.0098 UJ
	MW11-ROX-011019	1/10/2019		40.45	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW11-ROX-041119	4/11/2019		40.03	NE	<0.00019	<0.00019 UJ	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.00019	<0.00019	<0.0094	<0.00019 UJ	<0.00019	<0.00019	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094	0.000044 J	<0.0094
	MW11-ROX-070919	7/9/2019		35.95	NE	0.000042 J	0.000053 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	0.000053 J	<0.00021	0.000027 J	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
	MW11-ROX-100419	10/4/2019		35.36	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW11-ROX-010720	1/7/2020		36.45	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW11-ROX-040920	4/9/2020		36.02	NE	<0.00019 UJ	<0.00019 UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.00019	<0.00019	<0.0099 H UJ	<0.00019 UJ	<0.00019	<0.00019	<0.0099 H UJ	<0.02 H UJ	<0.0099 H UJ	<0.02 H UJ	<0.00019	<0.0099 H UJ	<0.00019	<0.0099 H UJ
	MW11-ROX-071720	7/17/2020		34.82	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 UJ	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW11-ROX-100920	10/9/2020		35.17	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	0.0028 J	<0.0094	<0.0094 UJ	<0.00019	<0.00019	<0.0094	<0.00019	0.000078 J	0.00014 J	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094
	MW11-ROX-011321	1/13/2021	41.66 - 51.66	36.45	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002 U	<0.0002	<0.01	0.000049 J	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002 U	<0.01 U
MW-12	MW12-ROX-040518	4/5/2018	41.92 - 51.92	40.50	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099 UJ	0.000025 J	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	0.000031 J	<0.0099 UJ
	MW12-ROX-040518-DUP	4/5/2018		40.50	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099 UJ	0.000023 J	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	0.000028 J	<0.0099 UJ
	MW12-ROX-070618	7/6/2018		41.03	NE	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.011	<0.011 UJ	<0.011	<0.00021	<0.00021	<0.011	<0.00021	<0.00021	<0.00021	<0.011	<0.021	<0.011	<0.021	<0.00021	<0.011	<0.00021	<0.011
	MW12-ROX-101018	10/10/2018		40.84	NE	0.000059 J	<0.000095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	0.000077 J	<0.000095	<0.0095	0.000066 J	<0.000095	<0.000095	<0.0095	<0.0095	<0.024	<0.024	<0.000095	<0.0095	0.000071 J	<0.0095
	MW12-ROX-010919	1/9/2019		40.78	NE	0.00025	0.00045	<0.01	<0.01	<0.01	<0.01	<0.01 UJ	<0.01	0.00014 J	0.000052 J	<0.01	0.00046	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	0.000021 J	<0.01	0.00016 J	<0.01
	MW12-ROX-010919-RE	1/9/2019		40.78	NE	<0.0002 H UJ	<0.0002 H UJ							0.00002 J H J	<0.0002 H UJ		<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ					<0.0002 H UJ		<0.0002 H UJ	
	MW12-ROX-040919	4/9/2019		40.42	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	0.00004 J	<0.00019	<0.0095	<0.00019	<0.00019	0.000022 J	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	0.000021 J J	<0.0095
	MW12-ROX-071019	7/10/2019		35.87	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.000028 J	<0.0002	<0.01	0.000042 J	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW12-ROX-100419	10/4/2019		35.49	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW12-ROX-010720	1/7/2020		36.78	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW12-ROX-040820	4/8/2020		36.20	NE	<0.00019	<0.00019	<0.0097	<0.01 H UJ	<0.0097	<0.01 H UJ	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	<0.019 UJ	<0.0097	<0.019 UJ	<0.00019	<0.0097 UJ	<0.00019	<0.0097 UJ
	MW12-ROX-071020	7/10/2020		35.19	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.00019	<0.00019	<0.0094	<0.00019	<0.00019	<0.00019	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094	0.000045 J	<0.0094 UJ
	MW12-ROX-101520	10/15/2020		35.68	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095 UJ
	MW12-ROX-010721	1/7/2021	41.92 - 51.92	37.08	NE	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.000085 J	<0.00021	<0.011	<0.00021 U	<0.00021	<0.00021	<0.011	<0.021	<0.011	<0.021	<0.00021	<0.011	<0.00021	<0.011

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																		
						Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol	Di-n-butyl phthalate	Di-n-octyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	2-Nitroaniline	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
Screening Values (mg/L)						0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]	0.7 [1]	0.14 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.105 [3]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																				
MW-13	MW13-ROX-040618	4/6/2018	24.80 - 34.80	27.71	NE	<0.0002	<0.0002 UJ	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW13-ROX-070918	7/9/2018		27.6	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW13-ROX-101118	10/11/2018		27.66	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097 UJ	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097 UJ	<0.00019	<0.0097 UJ
	MW13-ROX-010719	1/7/2019		27.18	NE	<0.00019	<0.00019 UJ	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019 UJ	0.00017 J	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW13-ROX-041519	4/15/2019		26.44	NE	<0.00098	<0.00098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.00098	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.00098	<0.0098
	MW13-ROX-070919	7/9/2019		21.59	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	0.00051	<0.0095	<0.00019	0.00047	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW13-ROX-100919	10/9/2019		21.95	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	0.00075	<0.0095	<0.00019	0.0021	0.00042	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW13-ROX-010620	1/6/2020		23.41	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.0062	0.0017	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW13-ROX-040820	4/8/2020		22.75	NE	<0.00019	<0.00019	<0.0096	<0.01 H UJ	<0.0096	<0.01 H UJ	<0.0096	<0.0096	<0.00019	0.00046	<0.0096	<0.00019	0.00028	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	0.00005 J J	<0.0096
	MW13-ROX-070920	7/9/2020		21.72	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 UJ	<0.0002	0.0003	<0.01	<0.0002	0.00045	0.00015 J	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW13-ROX-101420	10/14/2020		23.07	NE	<0.00019	<0.00019	<0.0096	<0.0096 U	<0.0096	<0.0096	<0.0096	<0.0096 UJ	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096 UJ
	MW13-ROX-010821	1/8/2021	24.80 - 34.80	24.49	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	0.014 J	<0.00019	<0.0096	<0.00019	<0.0096
MW-14	MW14-ROX-041018	4/10/2018	33.42 - 43.42	31.96	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01 UJ	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01 UJ	<0.0002	<0.01 UJ
	MW14-ROX-071118	7/11/2018		32.06	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.000032 J J	0.000033 J J	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096 UJ
	MW14-ROX-101518	10/15/2018		32.32	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	0.0019 J	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	0.000083 J	0.00012 J	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW14-ROX-010919	1/9/2019		32.04	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000096 J	0.000077 J	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW14-ROX-041619	4/16/2019		31.06	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	0.000064 J	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW14-ROX-071019	7/10/2019		26.95	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000059 J	0.00004 J	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW14-ROX-101119	10/11/2019		26.73	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW14-ROX-010720	1/7/2020		28.03	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	0.0024 J	<0.00019	<0.0097	<0.00019	<0.0097
	MW14-ROX-010720-PCP	1/7/2020		28.03	NE																		<0.019				
	MW14-ROX-041420	4/14/2020		27.28	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW14-ROX-071320	7/13/2020		26.52	NE	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.011	<0.011 UJ	<0.011	<0.00021	<0.00021	<0.011	<0.00021	<0.00021	<0.00021	<0.011	<0.021	<0.011	<0.021	<0.00021	<0.011	<0.00021 U	<0.011
	MW14-ROX-101620	10/16/2020		27.85	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096 UJ	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096 UJ	<0.00019	<0.0096 UJ
	MW14-ROX-011121	1/11/2021	33.42 - 43.42	28.63	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
MW-16	MW16-ROX-040618	4/6/2018	37.50 - 47.50	41.54	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098 UJ	0.000023 J	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	0.000033 J	<0.0098 UJ
	MW16-ROX-070618	7/6/2018		42.35	NE	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00022	<0.00022	<0.011	<0.00022	<0.00022	<0.00022	<0.011	<0.022	<0.011	<0.022	0.000029 J J	<0.011	<0.00022	<0.011
	MW16-ROX-100518	10/5/2018		42.24	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW16-ROX-011119	1/11/2019		42.10	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW16-ROX-041219	4/12/2019		41.74	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	MW16-ROX-070919	7/9/2019		37.55	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096 UJ	0.000053 J	<0.00019	<0.0096	<0.00019	<0.00019	0.00003 J	<0.0096	<0.019	<0.0096	<0.019	0.000029 J	<0.0096	0.000038 J	<0.0096 UJ
	MW16-ROX-100719	10/7/2019		36.86	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097 UJ	<0.00019	<0.00019	0.000023 J	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097	<0.00019 U	<0.0097
	MW16-ROX-010920	1/9/2020		38.16	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	0.000036 J	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW16-ROX-041320	4/13/2020		37.64	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW16-ROX-071320	7/13/2020		36.49	NE	<0.00019	<0.00019	<0.0095	0.00031 J	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	0.00007 J	<0.0095	<0.019	<0.0095	<0.019	0.000034 J	<0.0095	0.000074 J B	<0.0095 UJ
	MW16-ROX-101420	10/14/2020		36.72	NE	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093 UJ	<0.00019	<0.00019	<0.0093	<0.00019	<0.00019	<0.00019	<0.0093	<0.019	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093 UJ
	MW16-ROX-011321	1/13/2021	37.50 - 47.50	38.04	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	<0.00021	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01 U
MW-22	MW22-ROX-041018	4/10/2018	38.43 - 48.43	NM	NE	<0.0002 UJ	<0.0002 UJ	<0.0099 UJ	<0.0099 UJ	0.014 J	<0.0099 UJ	<0.0099 UJ	<0.0099 UJ	<0.0002 UJ	<0.0002 UJ	0.02 J	<0.0002 UJ	0.028 J	0.04 J	<0.0099 UJ	0.011 J J	<0.0099 UJ	<0.02 UJ	<0.0002 UJ	<0.0099 UJ	<0.0002 UJ	<0.0099 UJ
	MW22-ROX-071018	7/10/2018		40.88	NE	<0.00022	<0.00022	<0.011	<0.011	0.014	<0.011	<0.011	<0.011	<0.00022	<0.00022	0.031	<0.00022	0.024	0.035	<0.011	0.0099 J	<0.011	<0.022	<0.00022	<0.011	<0.00022	<0.011
	MW22-ROX-101518	10/15/2018		41.11	NE	<0.00021	<0.00021	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.00021	<0.00021	0.019 J	<0.00021	0.019	0.028	<0.053	<0.11	<0.053	<0.11	0.00016 J	<0.053	0.000026 J	<0.053
	MW22-ROX-010919	1/9/2019		40.91	NE	<0.0002	<0.0002	<0.01	<0.01	0.0059 J	<0.01	<0.01	<0.01	<0.0002	0.00012 J	0.013	<0.0002	0.015	0.022	<0.01	0.0013 J	<0.01	<0.02	0.00012 J	<0.01	<0.0002	<0.01
	MW22-ROX-041719	4/17/2019		40.31	NE	<0.0002	<0.0002	<0.0099	<0.0099	0.0068 J	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	0.012	<0.0002	0.02	0.027	<0.0099	0.0015 J	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW22-ROX-101519	10/15/2019		35.38	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	0.0021 J J	<0.00019	0.0022	0.0025	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW22-ROX-101519-DUP	10/15/2019		35.38	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	0.0023 J J	<0.00019	0.0019	0.0021	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW22-ROX-010620	1/6/2020		36.83	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.00038	0.0003	<0.0096	<0.019	<0.0096	0.0023 J *	<0.00019	<0.0096	<0.00019	<0.0096
	MW22-ROX-010620-PCP	1/6/2020		36.83	NE																		<0.019 H UJ				
	MW22-ROX-041520	4/15/2020		36.30	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	0.0014	0.0019	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW22-ROX-071420	7/14/2020		35.11	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	0.00024	0.00017 J	<0.0097	<0.019	0.0025 J	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	MW22-ROX-101520	10/15/2020		35.56	NE	<0.00019	0.00018 J	<0.0095	<0.0095 U	<0.0095	<0.0095	0.00037 J	<0.0095 UJ	<0.00019	<0.00019	<0.0095	0.00017 J	0.00051	0.00041	<0.0095	<0.019	<0.0095 UJ	<0.019	<0.00019	<0.0095	<0.00019	<0.0095 UJ
	MW22-ROX-011321	1/13/2021	38.43 - 48.43	36.65	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	0.000069 J	0.0032	0.0038	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099 U

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																		
						Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol	Di-n-butyl phthalate	Di-n-octyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	2-Nitroaniline	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
Screening Values (mg/L)						0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]	0.7 [1]	0.14 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.105 [3]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																				
MW-23	MW23-ROX-040918	4/9/2018	29.02 - 39.02	29.24	NE	<0.0002	<0.0002	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW23-ROX-070918	7/9/2018		29.1	NE	<0.0011	<0.0011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.0011	<0.0011	<0.011	<0.0011	<0.0011	<0.0011	<0.011	<0.022	<0.011	<0.022	<0.0011	<0.011	<0.0011	<0.011
	MW23-ROX-100918	10/9/2018		29.00	NE	<0.000096	<0.000096	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.0095 UJ	<0.0095	<0.000096	0.0001	<0.0095	<0.000096	0.000055 J	0.000087 J	<0.0095	<0.0095	<0.024	<0.024 UJ	0.00018	<0.0095	0.000025 J	<0.0095
	MW23-ROX-010919	1/9/2019		28.96	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000026 J	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW23-ROX-040919	4/9/2019		28.15	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW23-ROX-071019	7/10/2019		23.01	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	<0.00021	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
	MW23-ROX-100919	10/9/2019		23.39	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	0.000021 J	<0.0095	<0.019 UJ	<0.0095	<0.019	<0.00019	<0.0095 UJ	<0.00019	<0.0095 UJ
	MW23-ROX-010820	1/8/2020		24.92	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	0.0022 J	<0.00019	<0.0096	<0.00019	<0.0096
	MW23-ROX-010820-PCP	1/8/2020		24.92	NE																		<0.019				
	MW23-ROX-040820	4/8/2020		24.30	NE	<0.0002	<0.0002	<0.0099	<0.0098 H UJ	<0.0099	<0.0098 H UJ	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW23-ROX-071420	7/14/2020		23.36	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	0.000075 J	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW23-ROX-101320	10/13/2020		24.65	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW23-ROX-010721	1/7/2021	29.02 - 39.02	25.92	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
MW-24	MW24-ROX-040618	4/6/2018	39.61 - 49.61	41.28	NE	<0.0002	<0.0002 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	0.000027 J	<0.01
	MW24-ROX-040618-DUP	4/6/2018		41.28	NE	<0.0002	<0.0002 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW24-ROX-070618	7/6/2018		41.87	NE	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00022	<0.00022	<0.011	<0.00022	<0.00022	<0.00022	<0.011	<0.022	<0.011	<0.022	<0.00022	<0.011	<0.00022	<0.011
	MW24-ROX-100518	10/5/2018		41.81	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	MW24-ROX-011019	1/10/2019		41.76	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW24-ROX-041219	4/12/2019		41.33	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW24-ROX-070919	7/9/2019		37.04	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	<0.00021	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
	MW24-ROX-100719	10/7/2019		36.56	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019 U	<0.00019	<0.0095 UJ	<0.00019	0.00002 J	0.000026 J	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019 U	<0.0095
	MW24-ROX-010720	1/7/2020		37.67	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	0.0025 J	<0.00019	<0.0096	<0.00019	<0.0096
	MW24-ROX-010720-PCP	1/7/2020		37.67	NE																		<0.019				
	MW24-ROX-040920	4/9/2020		37.28	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW24-ROX-071020	7/10/2020		36.13	NE	<0.00019	<0.00019	<0.0095	<0.0095 U	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095 UJ
	MW24-ROX-101320	10/13/2020		36.6	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094 UJ	0.00007 J	<0.00019	<0.0094	<0.00019	<0.00019	<0.00019	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094
	MW24-ROX-011121	1/11/2021	39.61 - 49.61	37.88	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.000075 J	<0.00021	<0.01	<0.00021	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
MW-25	MW25-ROX-040918	4/9/2018	35.59 - 45.59	36.49	NE	<0.0002	<0.0002	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000028 J	0.000033 J	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01 UJ
	MW25-ROX-071018	7/10/2018		36.71	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	<0.00021	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
	MW25-ROX-100818	10/8/2018		36.73	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	MW25-ROX-010719	1/7/2019		36.33	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	0.00092 J	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW25-ROX-040819	4/8/2019		36.03	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096 U	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW25-ROX-070819	7/8/2019		31.52	NE	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00021	<0.00021	<0.011	<0.00021	<0.00021	<0.00021	<0.011	<0.021	<0.011	<0.021	<0.00021	<0.011	<0.00021	<0.011
	MW25-ROX-100819	10/8/2019		31.18	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW25-ROX-010620	1/6/2020		32.63	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW25-ROX-040620	4/6/2020		32.00	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW25-ROX-070920	7/9/2020		30.98	NE	<0.00019	<0.00019	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.00019	<0.00019	<0.0093	<0.00019	<0.00019	<0.00019	<0.0093	<0.019	<0.0093	<0.019	<0.00019	<0.0093	0.000066 J	<0.0093 UJ
	MW25-ROX-101220	10/12/2020		31.67	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094 UJ	<0.00019	<0.00019	<0.0094	<0.00019	0.00017 J	0.0002	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094 UJ
	MW25-ROX-011821	1/18/2021	35.59 - 45.59	33.11	NE	<0.00078	<0.00078	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00078	<0.00078	<0.0097	<0.00078	<0.00078	<0.00078	<0.0097	<0.019	<0.0097	<0.019	<0.00078	<0.0097	<0.00078	<0.0097
	MW25-ROX-011821-DUP	1/18/2021		33.11	NE	<0.00077	<0.00077	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00077	<0.00077	<0.0096	<0.00077	<0.00077	<0.00077	<0.0096	<0.019	<0.0096	<0.019	<0.00077	<0.0096	<0.00077	<0.0096
MW-26	MW26-ROX-040518	4/5/2018	38.15 - 48.15	39.22	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098 UJ	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098 UJ
	MW26-ROX-070618	7/6/2018		39.73	NE	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00022	<0.00022	<0.011	<0.00022	<0.00022	0.000026 J J	<0.011	<0.022	<0.011	<0.022	<0.00022	<0.011	<0.00022	<0.011
	MW26-ROX-100918	10/9/2018		39.53	NE	<0.000096	<0.000096	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.0095 UJ	<0.0095	<0.000096	<0.000096	<0.0095	<0.000096	0.00003 J	0.000044 J	<0.0095	<0.0095	<0.024	<0.024 UJ	0.000048 J	<0.0095	<0.000096	<0.0095
	MW26-ROX-010919	1/9/2019		39.46	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW26-ROX-041019	4/10/2019		38.90	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099 UJ	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW26-ROX-071019	7/10/2019		34.54	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW26-ROX-100919	10/9/2019		33.99	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW26-ROX-010920	1/9/2020		35.45	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	0.000027 J	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW26-ROX-041020	4/10/2020		34.83	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW26-ROX-071420	7/14/2020		33.84	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	0.000091 J	<0.00019	<0.0095	0.000045 J	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	0.00012 J F1 J	<0.0095
	MW26-ROX-101520	10/15/2020		34.56	NE	<0.00019	<0.00019	<0.0095	<0.0095 U	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	0.000059 J	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095 UJ
	MW26-ROX-010821	1/8/2021	38.15 - 48.15	35.78	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	<0.00021	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																				
						Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol	Di-n-butyl phthalate	Di-n-octyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	2-Nitroaniline	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
Screening Values (mg/L)						**0.012** [1]	**0.0003** [1]	**0.007** [3]	**5.6** [1]	**0.14** [2]	**0.7** [1]	**0.14** [2]	**0.0077** [1]	**0.28** [1]	**0.28** [1]		**0.00043** [1]	**0.49** [3]	**0.028** [1]	**0.35** [1]	**0.35** [3]	**0.105** [3]	**0.001** [1]	**0.21** [3]	**0.1** [1]	**0.21** [1]	**0.007** [3]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																				
MW-27	MW27-ROX-040618	4/6/2018	39.79 - 49.79	40.34	NE	<0.0002	<0.0002 UJ	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	MW27-ROX-070918	7/9/2018		41.16	NE	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00022	0.000025 J	<0.011	<0.00022	0.000058 J	0.000081 J	<0.011	<0.022	<0.011	<0.022	<0.00022	<0.011	<0.00022	<0.011
	MW27-ROX-100918	10/9/2018		41.06	NE	<0.000096	<0.000096	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.0095 UJ	<0.0095	<0.000096	0.000027 J	<0.0095	<0.000096	0.000025 J	0.000043 J	<0.0095	<0.0095	<0.024	<0.024 UJ	0.000058 J	<0.0095	<0.000096	<0.0095
	MW27-ROX-011119	1/11/2019		41.06	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW27-ROX-041519	4/15/2019		40.99	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW27-ROX-070919	7/9/2019		37.65	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	<0.00021	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
	MW27-ROX-100319	10/3/2019		36.07	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW27-ROX-010720	1/7/2020		36.96	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	MW27-ROX-041020	4/10/2020		36.82	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW27-ROX-071020	7/10/2020		35.76	NE	<0.0002	<0.0002	<0.0093 H UJ	<0.0093 H UJ	<0.0093 H UJ	<0.0093 H UJ	<0.0093 H UJ	<0.0093 H UJ	<0.0002	<0.0002	<0.0093 H UJ	<0.0002	<0.0002	<0.0002	<0.0093 H UJ	<0.019 H UJ	<0.0093 H UJ	<0.019 H UJ	<0.0002	<0.0093 H UJ	<0.0002	<0.0093 H UJ
	MW27-ROX-101320	10/13/2020		35.55	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW27-ROX-010821	1/8/2021	39.79 - 49.79	36.67	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019 U	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
MW-28	MW28-ROX-040618	4/6/2018	33.61 - 43.61	39.25	NE	<0.0002	<0.0002 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW28-ROX-070918	7/9/2018		40.08	NE	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00021	<0.00021	<0.011	<0.00021	<0.00021	<0.00021	<0.011	<0.021	<0.011	<0.021	<0.00021	<0.011	<0.00021	<0.011
	MW28-ROX-101118	10/11/2018		40.25	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098 UJ	<0.0002	<0.0002	<0.0098	<0.0002	0.000039 J	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098 UJ	<0.0002	<0.0098 UJ
	MW28-ROX-010819	1/8/2019		40.32	NE	<0.0002	<0.0002 UJ	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002 UJ	0.000068 J	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	MW28-ROX-040919	4/9/2019		40.42	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.000053 J	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW28-ROX-071019	7/10/2019		37.14	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000038 J	0.000026 J	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW28-ROX-100419	10/4/2019		35.90	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW28-ROX-011020	1/10/2020		36.55	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.00015 J	0.00024	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW28-ROX-041620	4/16/2020		36.25	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW28-ROX-071620	7/16/2020		35.06	NE	<0.00018	<0.00018	<0.0092	<0.0092	<0.0092	<0.0092	<0.0092	<0.0092	<0.00018	<0.00018	<0.0092	<0.00018	<0.00018	<0.00018	<0.0092	<0.018	<0.0092	<0.018	<0.00018	<0.0092	<0.00018	<0.0092
	MW28-ROX-101920	10/19/2020		35.10	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	0.0027 J	<0.0094	<0.0094 UJ	<0.00019	<0.00019	<0.0094	<0.00019	<0.00019	<0.00019	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094 UJ
	MW28-ROX-011421	1/14/2021	33.61 - 43.61	35.82	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	<0.00021	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
P-54	P54-ROX-040618	4/6/2018	38.00 - 63.00	40.05	NE	<0.0002	<0.0002 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.000032 J	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	0.000033 J	<0.01
	P54-ROX-070618	7/6/2018		40.51	NE	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00022	<0.00022	<0.011	<0.00022	0.000041 J J	0.00004 J J	<0.011	<0.022	<0.011	<0.022	<0.00022	<0.011	<0.00022	<0.011
	P54-ROX-100518	10/5/2018		40.46	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	0.000022 J	<0.0002	<0.0098	<0.0002	0.000028 J	0.000032 J	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	P54-ROX-011019	1/10/2019		40.37	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	P54-ROX-041119	4/11/2019		39.91	NE	<0.00019	<0.00019 UJ	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019 UJ	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	P54-ROX-070919	7/9/2019		35.60	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.000022 J	0.000023 J	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	P54-ROX-100419	10/4/2019		35.22	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.000026 J J	0.000026 J J	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	P54-ROX-010720	1/7/2020		36.29	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	0.0022 J	<0.00019	<0.0096	<0.00019	<0.0096
	P54-ROX-010720-PCP	1/7/2020		36.29	NE																		<0.019				
	P54-ROX-040920	4/9/2020		35.94	NE	<0.00019	<0.00019	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.00019	<0.00019	<0.0099 H UJ	<0.00019	<0.00019	<0.00019	<0.0099 H UJ	<0.02 H UJ	<0.0099 H UJ	<0.02 H UJ	<0.00019	<0.0099 H UJ	<0.00019	<0.0099 H UJ
	P54-ROX-071020	7/10/2020		34.76	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.00019	<0.00019	<0.0094	<0.00019	<0.00019	<0.00019	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094	0.000039 J	<0.0094 UJ
	P54-ROX-101320	10/13/2020		35.36	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.00019	<0.00019	<0.0095 UJ	<0.00019	<0.00019	0.000085 J	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	P54-ROX-011121	1/11/2021	38.00 - 63.00	36.68	NE	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.000074 J	<0.00021	<0.011	<0.00021	<0.00021	<0.00021	<0.011	<0.021	<0.011	<0.021	<0.00021	<0.011	<0.00021	<0.011
P-56	P56-ROX-041118	4/11/2018	40.82 - 65.82	44.40	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	0.01	0.0014	<0.0098	<0.02	<0.0098	<0.02	0.00038	<0.0098	<0.0002	<0.0098
	P56-ROX-071118	7/11/2018		45.25	NE	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00022	0.00019 J	<0.011	<0.00022	0.02	0.016	<0.011	<0.022	<0.011	<0.022	0.00059	<0.011	<0.00022	<0.011 UJ
	P56-ROX-101518	10/15/2018		45.37	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	0.00019 J	<0.0098	<0.0002	0.024	0.017	<0.0098	<0.02	<0.0098	<0.02	0.00057	<0.0098	<0.0002	<0.0098
	P56-ROX-011019	1/10/2019		45.16	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	0.00037	<0.0095	<0.00019	0.016	0.0043	<0.0095	<0.019	<0.0095	<0.019	0.00088	<0.0095	<0.00019	<0.0095
	P56-ROX-041719	4/17/2019		44.38	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	0.00048	<0.0098	<0.0002	0.024	0.0039	<0.0098	<0.02	<0.0098	<0.02	0.0015	<0.0098	<0.0002	<0.0098
	P56-ROX-071219	7/12/2019		40.50	NE	<0.00099 H UJ	<0.00099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	0.0012 J H J	<0.0099 H UJ	<0.00099 H UJ	0.00061 J H J	<0.0099 H UJ	<0.00099 H UJ	0.032 H B J	0.025 H B J	<0.0099 H UJ	1.8 H J	<0.0099 H UJ	<0.02 H UJ	0.0015 H J	<0.0099 H UJ	<0.00099 H UJ	<0.0099 H UJ
	P56-ROX-101519	10/15/2019		39.60	NE	<0.00019	<0.00019	0.00057 J	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.019	0.02	<0.0095	<0.019	<0.0095	<0.019	0.00098 B	<0.0095	<0.00019	<0.0095
	P56-ROX-010820	1/8/2020		41.31	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.025	0.019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	P56-ROX-041620	4/16/2020		40.49	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	0.013	0.013	<0.0099	<0.02	<0.0099	<0.02	0.00067	<0.0099	<0.0002	<0.0099
	P56-ROX-071520	7/15/2020		39.43	NE	<0.00019	<0.00019	<0.0097	0.00063 J * J	<0.0097 UJ	0.0029 J * J	<0.0097	<0.0097	<0.00019	0.00016 J	<0.0097	<0.00019	0.0084	0.0072	<0.0097 UJ	<0.019 UJ	<0.0097	<0.019 UJ	0.00043	<0.0097 UJ	<0.00019	<0.0097
	P56-ROX-102120	10/21/2020		40.09	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00027	<0.01	<0.0002	0.009	0.0056	<0.01	<0.02	<0.01	<0.02	0.00035	<0.01	<0.0002	<0.01
	P56-ROX-011221	1/12/2021	40.82 - 65.82	41.04	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.00019	0.00027	<0.0094	<0.00019	0.012	0.0087	<0.0094	<0.019	<0.0094	<0.019	0.00055	<0.0094	<0.00019	<0.0094

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																			
						Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol	Di-n-butyl phthalate	Di-n-octyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	2-Nitroaniline	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
Screening Values (mg/L)						**0.012** [1]	**0.0003** [1]	**0.007** [3]	**5.6** [1]	**0.14** [2]	**0.7** [1]	**0.14** [2]	**0.0077** [1]	**0.28** [1]	**0.28** [1]		**0.00043** [1]	**0.49** [3]	**0.028** [1]	**0.35** [1]	**0.35** [3]	**0.105** [3]	**0.001** [1]	**0.21** [3]	**0.1** [1]	**0.21** [1]	**0.007** [3]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
P-57	P57-ROX-041018	4/10/2018	44.19 - 54.19	45.45	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00032	<0.01 UJ	<0.0002	0.031	0.039	<0.01	<0.02	<0.01	<0.02	0.00041	0.06	<0.0002	<0.01 UJ
	P57-ROX-071118	7/11/2018		45.76	NE	<0.00021	<0.00021	0.00056 J	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00021	0.00048 J	<0.011	<0.00021	0.032	0.042	<0.011	<0.021	<0.011	<0.021	0.00037	0.039	<0.00021	<0.011 UJ
	P57-ROX-071118-DUP	7/11/2018		45.76	NE	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00022	<0.00022 UJ	<0.011	<0.00022	0.032	0.043	<0.011	<0.022	<0.011	<0.022	0.00039	0.057	<0.00022	<0.011 UJ
	P57-ROX-101618	10/16/2018		45.86	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	0.00033	<0.0097	<0.00019	0.021 J	0.027	<0.0097	<0.019	<0.0097	<0.019	0.00036	0.023	<0.00019	<0.0097
	P57-ROX-101618-DUP	10/16/2018		45.86	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	0.00043	<0.0097	<0.00019	0.027 J	0.034	<0.0097	<0.019	<0.0097	<0.019	0.00059	0.035	<0.00019	<0.0097
	P57-ROX-011419	1/14/2019		45.63	NE	<0.0002	<0.0002	0.0006 J	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	0.00056	<0.0099	<0.0002	0.021	0.026	<0.0099	<0.02	<0.0099	<0.02	0.00041	0.053	<0.0002	<0.0099
	P57-ROX-011419-DUP	1/14/2019		45.63	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	0.00059	<0.0099	<0.0002	0.019	0.024	<0.0099	<0.02	<0.0099	<0.02	0.00049	0.058	<0.0002	<0.0099
	P57-ROX-041719	4/17/2019		44.89	NE	<0.0002	<0.00098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	0.00071 J	<0.0098	<0.00098	0.022	0.028	<0.0098	<0.02	<0.0098	<0.02	0.0004	0.078	0.000029 J J	<0.0098
	P57-ROX-041719-DUP	4/17/2019		44.89	NE	<0.00099	<0.00099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	0.00061 J	<0.0099	<0.00099	0.021	0.028	<0.0099	<0.02	<0.0099	<0.02	0.00046	0.081	<0.00099	<0.0099
	P57-ROX-071519	7/15/2019		40.82	NE	<0.00097	<0.00097	0.00059 J	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00097	0.00092 J J	<0.0097	<0.00097	0.034	0.045	<0.0097	<0.019	<0.0097	<0.019	0.00058 J	0.37	<0.00097	<0.0097
	P57-ROX-071519-DUP	7/15/2019		40.82	NE	<0.0002	<0.0002	0.00057 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00052	<0.01	<0.0002	0.033	0.047	<0.01	<0.02	<0.01	<0.02	0.0005	0.31	<0.0002	<0.01
	P57-ROX-101519	10/15/2019		40.18	NE	<0.00019	<0.00019	0.00066 J	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	0.00037	<0.0095 UJ	<0.00019	0.028	0.03	<0.0095	<0.019	<0.0095	<0.019	0.00029	0.079 *	<0.00019	<0.0095
	P57-ROX-101519-DUP	10/15/2019		40.18	NE	<0.00019	<0.00019	0.00056 J	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	0.00039	<0.0096 UJ	<0.00019	0.024	0.026	<0.0096	<0.019	<0.0096	<0.019	0.00025	0.071 *	<0.00019	<0.0096
	P57-ROX-010920	1/9/2020		41.77	NE	<0.00019	<0.00019	0.00062 J	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	0.0004	<0.0096	<0.00019	0.028	0.033	<0.0096	<0.019	<0.0096	<0.019	0.00034	0.033	<0.00019	<0.0096
	P57-ROX-041720	4/17/2020		40.70	NE	<0.0002	<0.0002	0.00066 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00069	<0.01	<0.0002	0.029	0.034	<0.01	<0.02	<0.01	<0.02	0.00033	0.18	<0.0002	<0.01
	P57-ROX-041720-DUP	4/17/2020		40.70	NE	<0.0002	<0.0002	0.00072 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	0.0006	<0.01	<0.0002	0.029	0.036	<0.01	<0.02	<0.01	<0.02	0.00041	0.067	<0.0002	<0.01
	P57-ROX-071620	7/16/2020		40.15	NE	<0.00019	<0.00019	0.00055 J	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	0.00065	<0.0097	<0.00019	0.02	0.02	<0.0097	<0.019	<0.0097	<0.019	0.00038	0.18 J	<0.00019	<0.0097
	P57-ROX-071620-DUP	7/16/2020		40.15	NE	<0.0002	<0.0002	0.00058 J	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	0.00061	<0.0099	<0.0002	0.019	0.018	<0.0099	<0.02	<0.0099	<0.02	0.00036	0.28 J	<0.0002	<0.0099
	P57-ROX-102020	10/20/2020		40.84	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019 UJ	<0.0096	<0.00019	0.017	0.018	<0.0096	<0.019	<0.0096	<0.019	0.00018 J	0.012	<0.00019	<0.0096
	P57-ROX-102020-DUP	10/20/2020		40.84	NE	<0.00019	<0.00019	0.00047 J	0.0012 J	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	0.0006 J	<0.0096	<0.00019	0.019	0.019	<0.0096	<0.019	<0.0096	<0.019	0.00016 J	0.017	<0.00019	<0.0096
	P57-ROX-011321	1/13/2021	44.19 - 54.19	41.70	NE	<0.00019	<0.00019	0.00039 J	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	0.0004	<0.0096	<0.00019	0.013	0.014	<0.0096	<0.019	<0.0096	<0.019	0.00022	0.025 J	<0.00019	<0.0096 U
	P57-ROX-011321-DUP	1/13/2021		41.70	NE	<0.00019	<0.00019	0.00039 J	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	0.00045	<0.0095	<0.00019	0.014	0.016	<0.0095	<0.019	<0.0095	<0.019	0.00021	0.047 J	<0.00019	<0.0095 U
P-58	P58-ROX-041118	4/11/2018	40.21 - 65.21	43.19	NE	<0.0002	<0.0002	0.0017 J	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	0.0016	<0.01	<0.0002	0.073	0.079	<0.01	<0.02	<0.01	<0.02	0.0019 J	0.33	<0.0002 UJ	<0.01
	P58-ROX-041118-DUP	4/11/2018		43.19	NE	<0.00019	<0.00097	0.0019 J	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	0.0017	<0.0097	<0.00097	0.061	0.064	<0.0097	<0.019	<0.0097	<0.019	0.0014 J	0.25	<0.00019 UJ	<0.0097
	P58-ROX-101618	10/16/2018		43.66	NE	0.00032	<0.00019	0.0014 J	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	0.0011	<0.0097	<0.00019	0.029	0.021	<0.0097	0.001 J	<0.0097	<0.019	0.0011	0.093	0.00069	<0.0097
	P58-ROX-041719	4/17/2019		42.49	NE	<0.00099	<0.00099	0.0019 J	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	0.00026	0.0018	<0.0099	<0.00099	0.036	0.025	<0.0099	<0.02	<0.0099	<0.02	0.0015	0.078	0.001	<0.0099
	P58-ROX-071519	7/15/2019		38.43	NE	0.0014 J	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00041	0.0017 J	<0.01	<0.0002	0.059 J	0.033 J	<0.01	<0.02	<0.01	<0.02	0.0024 J	0.12	0.0015 J	<0.01
	P58-ROX-071519-DUP	7/15/2019		38.43	NE	0.003 J	<0.00097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	0.00068	0.0046 J	<0.0097	0.00028 J	0.059	0.04	<0.0097	<0.019	<0.0097	<0.019	0.0041 J	0.15	0.004 J	<0.0097
P-59	P59-ROX-041218	4/12/2018	47.91 - 72.91	45.13	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00005 J	0.00017 J	0.0048 J J	<0.0002	0.02	0.036	<0.01	<0.02	<0.01	<0.02	0.00056	0.015	0.0001 J	<0.01
	P59-ROX-071118	7/11/2018		46.16	NE	0.00021 J	<0.00022	<0.011	<0.011	0.013	<0.011	<0.011	<0.011	0.00021 J	0.00063	0.0066 J	<0.00022	0.013	0.023	<0.011	0.0038 J	<0.011	<0.022	0.001	<0.011	0.00027	<0.011 UJ
	P59-ROX-101618	10/16/2018		45.99	NE	0.00063	<0.00019	<0.0097	<0.0097	0.0035 J	<0.0097	0.002 J	<0.0097	0.00031	0.001	0.0092 J	<0.00019	0.021	0.03	<0.0097	0.0038 J	<0.0097	<0.019	0.0013	0.012	0.00065	<0.0097
	P59-ROX-011419	1/14/2019		46.10	NE	<0.001	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.0061	0.0096	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	0.00061 J	<0.01
	P59-ROX-101519	10/15/2019		40.46	NE	<0.00019	<0.00019	<0.0095	<0.0095	0.0042 J	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	0.0061 J J	<0.00019	0.013	0.019	<0.0095	0.0033 J	<0.0095	<0.019	<0.00019	0.02	<0.00019 U	<0.0095
	P59-ROX-010920	1/9/2020		42.14	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	0.0015 J	<0.00019	0.015	0.013	<0.0096	<0.019	<0.0096	<0.019	<0.00019	0.011	<0.00019	0.0035 J
	P59-ROX-042120	4/21/2020		41.45	NE	<0.00098	<0.00098	<0.0098	<0.0098	0.0034 J	<0.0098	<0.0098	<0.0098	<0.00098	<0.00098	0.009 J	<0.00098	0.019	0.03	<0.0098	<0.02	<0.0098	<0.02	0.00049 J	0.0073 J	<0.00098	0.0035 J
	P59-ROX-071620	7/16/2020		40.36	NE	<0.00019	<0.00019	<0.0096	<0.0096	0.0043 J	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	0.0036 J	<0.00019	0.0074	0.0064	<0.0096	<0.019	<0.0096	<0.019	0.00044	0.009 J	<0.00019 U	<0.0096
	P59-ROX-102020	10/20/2020		40.72	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	0.017	<0.0095	<0.019	<0.0095	<0.019	0.00075	0.037	0.00024	<0.0095
	P59-ROX-011321	1/13/2021	47.91 - 72.91	41.68	NE	0.00012 J	0.00021	<0.0094	<0.0094	0.0051 J	<0.0094	<0.0094	<0.0094	<0.00019 U	0.00051	<0.0094	0.000089 J	0.01	0.014	<0.0094	<0.019	<0.0094	<0.019	0.00056	0.034	0.00037 B	<0.0094 U
P-66	P66-ROX-041018	4/10/2018	34.72 - 59.72	34.93	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	0.001	<0.0099 UJ	<0.0002	0.1	0.037	<0.0099	<0.02	<0.0099	<0.02	0.00065	<0.0099 UJ	<0.0002	<0.0099 UJ
	P66-ROX-071118	7/11/2018		35.10	NE	<0.00097	<0.00097	0.002 J	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00097	0.0011 J	<0.0097	<0.00097	0.07	0.045	<0.0097	<0.019	<0.0097	<0.019	0.00033 J	<0.0097	<0.00097	<0.0097 UJ
	P66-ROX-071118-DUP	7/11/2018		35.10	NE	<0.00099	<0.00099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.00099	0.0011 J	<0.0099	<0.00099	0.074	0.053	<0.0099	<0.02	<0.0099	<0.02	0.00047 J	<0.0099	<0.00099	<0.0099 UJ
	P66-ROX-101518	10/15/2018		35.31	NE	<0.00019	<0.00019	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.00019	<0.00019	<0.049	<0.00019	0.046	0.023	<0.049	<0.097	<0.049	<0.097	<0.00019	<0.049	<0.00019	<0.049
	P66-ROX-101518-DUP	10/15/2018		35.31	NE	<0.0002	<0.0002	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.0002	<0.0002	<0.049	<0.0002	0.042	0.025	<0.049	<0.099	<0.049	<0.099	<0.0002	<0.049	<0.0002	<0.049
	P66-ROX-010919	1/9/2019		34.99	NE	<0.0002	<0.0002	<0.05 UJ	<0.05 UJ	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00075	<0.01	<0.0002	0.031	0.012	<0.01	<0.02	<0.05 UJ	<0.02	0.00071	<0.01	<0.0002	<0.01
	P66-ROX-041619	4/16/2019		34.08	NE	<0.00099	<0.00099 UJ	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.00099	<0.0099	<0.00099	0.012	0.013	<0.0099	0.055	<0.0099	<0.02	<0.0002	<0.0099	0.00019 J J	<0.0099
	P66-ROX-071019	7/10/2019		30.00	NE	<0.001	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00049 J J	0.0021 J	<0.0002	0.055	0.026	<0.01	0.0063 J	<0.01	<0.02	<0.0002	<0.01	<0.001	<0.01
	P66-ROX-101119	10/11/2019		29.52	NE	<0.00019 UJ	<0.00019 UJ	0.0012 J	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	0.00002 J J	0.00018 J J	<0.0096	<0.00019 UJ	0.01 J	0.0076 J	<0.0096	<0.019	<0.0096	<0.019	0.000038 J J	<0.0096	<0.00019 UJ	<0.0096
	P66-ROX-010720	1/7/2020		31.09	NE	<0.00019	<0.00019	<0.049 UJ	<0.049 UJ	<0.049 UJ	<0.049 UJ	<0.049 UJ	<0.049 UJ	<0.00019	<0.00019	<0.049 UJ	<0.00019	0.066	0.042	<0.049 UJ	<0.097 UJ	<0.049 UJ	<0.097 UJ	<0.00019	<0.049 UJ	<0.00019	<0.049 UJ
	P66-ROX-041420	4/14/2020		30.12	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.00098	0.02	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	0.014	<0.0002	<0.0098
	P66-ROX-071320	7/13/2020		29.51	NE	<0.00019	<0.00019	0.00072 J	<0.0097	<0.0097	<0.0097	<0.0097 UJ	<0.0097	<0.00019	0.00072	<0.0097	<0.00019	0.034	0.02	<0.0097	<0.019	<0.0097	<0.019	0.00017 J	<0.0097	0.00015 J B	<0.0097
	P66-ROX-101620	10/16/2020		30.39	NE	<0.00019	<0.00019	0.00079 J	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.00019	0.00094	<0.0095	<0.00019	0.046	0.012	<0.0095	<0.019	<0.0095	<0.019	0.00024	<0.0095 UJ	<0.00019	<0.0095 UJ
	P66-ROX-101620-DUP	10/16/2020		30.39	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094 UJ	<0.00019	0.0008	<0.0094	<0.00019	0.04	0.01	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094 UJ	<0.00019	<0.0094 UJ
	P66-ROX-011121	1/11/2021	34.72 - 59.72	31.39	NE	<0.00019	0.00017 J	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	0.00012 J	0.0011	<0.0095	0.000064 J	0.058	0.024	<0.0095	<0.019	<0.0095	<0.019	0.0004	<0.0095	0.00019	<0.0095

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																		
						Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol	Di-n-butyl phthalate	Di-n-octyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	2-Nitroaniline	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
Screening Values (mg/L)						0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]	0.7 [1]	0.14 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.105 [3]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
P-74	P74-ROX-041018	4/10/2018	43.83 - 68.83	40.69	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099 UJ	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099 UJ	<0.0002	<0.0099 UJ
	P74-ROX-041018-DUP	4/10/2018		40.69	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099 UJ	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099 UJ	<0.0002	<0.0099 UJ
	P74-ROX-071118	7/11/2018		42.22	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097 UJ
	P74-ROX-101618	10/16/2018		42.18	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	0.000071 J	<0.0097	<0.00019	0.0013	0.0014	<0.0097	<0.019	<0.0097	<0.019	0.00004 J	0.0035 J	0.00002 J	<0.0097
	P74-ROX-011019	1/10/2019		42.14	NE	<0.00019	<0.00019	<0.0095	0.0017 J	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	P74-ROX-041719	4/17/2019		41.57	NE	<0.0002	<0.0002	<0.0098	0.00096 J	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	P74-ROX-071219	7/12/2019		37.95	NE	<0.0002 H UJ	<0.0002 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	0.000022 J H J	<0.0002 H UJ	<0.0099 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0099 H UJ	<0.02 H UJ	<0.0099 H UJ	<0.02 H UJ	<0.0002 H UJ	<0.0099 H UJ	<0.0002 H UJ	<0.0099 H UJ
	P74-ROX-101419	10/14/2019		36.74	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019 U	<0.00019	<0.0095	<0.00019	0.00025	0.00023	<0.0095	<0.019	<0.0095	<0.019	0.000024 J	<0.0095	<0.00019	<0.0095
	P74-ROX-010820	1/8/2020		38.40	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	P74-ROX-041720	4/17/2020		37.40	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	P74-ROX-071420	7/14/2020		36.62	NE	<0.00019	<0.00019	<0.0096	<0.0096 U	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	P74-ROX-102020	10/20/2020		36.69	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.00019	<0.00019	<0.0094	<0.00019	0.00046	0.00056	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094
	P74-ROX-011221	1/12/2021	43.83 - 68.83	37.83	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	0.0035 J J	<0.00019	<0.0095
P-93A	P93A-ROX-041118	4/11/2018	43.07 - 53.07	NM	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	0.00092	0.00047	<0.0099	<0.02	<0.0099	<0.02	0.000049 J	0.07	<0.0002	<0.0099
	P93A-ROX-052218	5/22/2018		NM	NE																						
	P93A-ROX-071218	7/12/2018		44.03	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	0.000029 J	<0.0098	<0.0002	0.00033	0.00006 J	<0.0098	<0.02	<0.0098	<0.02	<0.0002	0.047	<0.0002	<0.0098
	P93A-ROX-101618	10/16/2018		44.05	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	0.002 J	<0.0097	0.000039 J	0.000095 J	<0.0097	<0.00019	0.0026	0.00075	<0.0097	<0.019	<0.0097	<0.019	0.000086 J	0.088	<0.00019	<0.0097
	P93A-ROX-011419	1/14/2019		43.78	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	0.00007 J	<0.0099	<0.0002	0.0015	0.00026	<0.0099	<0.02	<0.0099	<0.02	0.00007 J	0.071	<0.0002	<0.0099
	P93A-ROX-041819	4/18/2019		42.98	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	0.000079 J	<0.0099	<0.0002	0.0026	0.00026	<0.0099	<0.02	<0.0099	<0.02	0.000059 J	0.091	<0.0002	<0.0099
	P93A-ROX-071519	7/15/2019		38.92	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.00075	0.00012 J	<0.0096	<0.019	<0.0096	<0.019	<0.00019	0.048	<0.00019	<0.0096
	P93A-ROX-101519	10/15/2019		38.31	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019 U	<0.00019	<0.0095	<0.00019 U	0.0023	0.00053	<0.0095	<0.019	<0.0095	<0.019	<0.00019 U	0.059	<0.00019 U	<0.0095
	P93A-ROX-010920	1/9/2020		39.89	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.00066	0.0003	<0.0096	<0.019	<0.0096	<0.019	<0.00019	0.028	<0.00019	<0.0096
	P93A-ROX-010920-DUP	1/9/2020		39.89	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.00076	0.00016 J	<0.0096	<0.019	<0.0096	<0.019	<0.00019	0.023	<0.00019	<0.0096
	P93A-ROX-041720	4/17/2020		38.79	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	0.0011	0.000068 J	<0.0099	<0.02	<0.0099	<0.02	<0.0002	0.022	<0.0002	<0.0099
	P93A-ROX-071620	7/16/2020		38.36	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	0.0014	0.00015 J	<0.01	<0.02	<0.01	<0.02	0.000072 J	0.047	<0.0002	<0.01
	P93A-ROX-102220	10/22/2020		39.09	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.00052	0.0003	<0.0095	<0.019	<0.0095	<0.019	<0.00019	0.012	<0.00019	<0.0095
	P93A-ROX-102220-DUP	10/22/2020		39.09	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.00038	0.00041	<0.0095	<0.019	<0.0095	<0.019	<0.00019	0.0083 J *1	<0.00019	<0.0095
	P93A-ROX-011421	1/14/2021	43.07 - 53.07	39.93	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.00019	<0.00019	<0.0094	<0.00019	0.00011 J	<0.00019	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094
P-93B	P93B-ROX-041218	4/12/2018	74.88 - 76.88	44.75	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099 UJ	0.000041 J	0.000028 J	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	0.36	<0.0002	<0.0099
	P93B-ROX-041218-DUP	4/12/2018		44.75	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098 UJ	<0.0002	0.000045 J	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	0.35	<0.0002	<0.0098
	P93B-ROX-071218	7/12/2018		45.36	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	0.019	<0.00019	0.0002	0.00032	0.0019 J	0.004 J	<0.0097	<0.019	<0.00019	0.35	<0.00019	<0.0097
	P93B-ROX-071218-DUP	7/12/2018		45.36	NE	<0.00097	<0.00097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00097	<0.00019	<0.0097	<0.00097	<0.00019	<0.00019	0.0019 J	0.0041 J	<0.0097	<0.019	<0.00097	0.33	<0.00097	<0.0097
	P93B-ROX-101518	10/15/2018		45.64	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	0.0021 J	0.0058 J	<0.0097	<0.019	<0.00019	0.22 *	<0.00019	<0.0097
	P93B-ROX-101518-DUP	10/15/2018		45.64	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	0.0023 J	0.0061 J	<0.0096	<0.019	<0.00019	0.25 *	<0.00019	<0.0096
	P93B-ROX-011119	1/11/2019		45.15	NE	<0.00019	<0.00019	<0.0096	<0.0096	0.0041 J	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	0.004 J	0.013 J	<0.0096	<0.019	<0.00019	0.34	<0.00019	<0.0096
	P93B-ROX-011119-DUP	1/11/2019		45.15	NE	<0.00019	<0.00019	<0.0095	<0.0095	0.0035 J	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	0.0041 J	0.013 J	<0.0095	<0.019	<0.00019	0.21	<0.00019	<0.0095
	P93B-ROX-041819	4/18/2019	74.78 - 76.78	44.33	NE	<0.0002	<0.0002	<0.01	<0.01	0.0035 J	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01	0.0049 J	<0.01	<0.02	<0.0002	0.22	<0.0002	<0.01
	P93B-ROX-041819-DUP	4/18/2019		44.33	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	0.0045 J	<0.0099	<0.02	<0.0002	0.24	<0.0002	<0.0099
	P93B-ROX-071219	7/12/2019		40.35	NE	<0.0002 H UJ	<0.0002 H UJ	<0.0098 H UJ	<0.0098 H UJ	<0.0098 H UJ	<0.0098 H UJ	<0.0098 H UJ	<0.0098 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0098 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0098 H UJ	<0.02 H UJ	<0.0098 H UJ	<0.02 H UJ	<0.0002 H UJ	0.26 H J	<0.0002 H UJ	<0.0098 H UJ
	P93B-ROX-071219-DUP	7/12/2019		40.35	NE	<0.0002 H UJ	<0.0002 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0099 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0099 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0099 H UJ	<0.02 H UJ	<0.0099 H UJ	<0.02 H UJ	<0.0002 H UJ	0.24 H J	<0.0002 H UJ	<0.0099 H UJ
	P93B-ROX-101519	10/15/2019		39.62	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	0.15	<0.00019	<0.0095
	P93B-ROX-101519-DUP	10/15/2019		39.62	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	0.13	<0.00019	<0.0095
	P93B-ROX-010820	1/8/2020		41.48	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	0.19 J	<0.00019	<0.0095
	P93B-ROX-010820-DUP	1/8/2020		41.48	NE	<0.00019	<0.00019	<0.0096 UJ	<0.0096 UJ	<0.0096	<0.0096 UJ	<0.0096 UJ	<0.0096 UJ	<0.00019	<0.00019	<0.0096 UJ	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096 UJ	<0.019	<0.00019	0.09 J	<0.00019	<0.0096 UJ
	P93B-ROX-042020	4/20/2020		40.23	NE	<0.0004 UJ	<0.0004 UJ	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0004 UJ	<0.0004 UJ	<0.0099	<0.0004 UJ	<0.0004 UJ	<0.0004 UJ	<0.0099	<0.02	<0.0099	<0.02	<0.0004 UJ	0.13	<0.0004 UJ	<0.0099
	P93B-ROX-042020-DUP	4/20/2020		40.23	NE	<0.00099 UJ	<0.00099 UJ	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.00099 UJ	<0.00099 UJ	<0.05	<0.00099 UJ	<0.00099 UJ	<0.00099 UJ	<0.05	<0.099	<0.05	<0.099	<0.00099 UJ	0.085	<0.00099 UJ	<0.05
	P93B-ROX-071620	7/16/2020		39.75	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	0.27	<0.00019	<0.0096
	P93B-ROX-071620-DUP	7/16/2020		39.75	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	0.31	<0.0002	<0.0099
	P93B-ROX-102220	10/22/2020		40.46	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	0.0004	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	P93B-ROX-011421	1/14/2021	74.78 - 76.78	41.13	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	0.0024 J	<0.0095	<0.019	<0.00019	0.29 J	<0.00019	<0.0095
	P93B-ROX-011421-DUP	1/14/2021		41.13	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	0.00095 J	<0.0097	<0.019	<0.00019	0.16 J	<0.00019	<0.0097
P-93C	P93C-ROX-041118	4/11/2018	92.88 - 97.88	44.69	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002 U	0.000048 J	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	P93C-ROX-071218	7/12/2018		45.22	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	0.000062 J	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
	P93C-ROX-101518	10/15/2018		45.31	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	0.013	<0.0002	<0.0098
	P93C-ROX-011019	1/10/2019		45.01	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	0.041	<0.00019	<0.0096
	P93C-ROX-041819	4/18/2019		44.15	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	0.000021 J	0.000034 J	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	P93C-ROX-071219	7/12/2019		40.18	NE	<0.0002 H UJ	<0.0002 H UJ	<0.01 H UJ	<0.01 H UJ	<0.01 H UJ	<0.01 H UJ	<0.01 H UJ	<0.01 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.01 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.0002 H UJ	<0.01 H UJ	<0.02 H UJ	<0.01 H UJ	<0.02 H UJ	<0.0002 H UJ	<0.01 H UJ	<0.0002 H UJ	<0.01 H UJ
	P93C-ROX-101419	10/14/2019		39.65	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.00017 J	0.00017 J	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	P93C-ROX-010820	1/8/2020		41.30	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	P93C-ROX-041620	4/16/2020		40.17	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	P93C-ROX-071420	7/14/2020		39.45	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	P93C-ROX-102120	10/21/2020		40.36	NE	<0.00019	<0.00019	<0.0095	0.001 J	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	0.00028	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	P93C-ROX-011121	1/11/2021	92.88 - 97.88	41.24	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																			
						Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol	Di-n-butyl phthalate	Di-n-octyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	2-Nitroaniline	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
Screening Values (mg/L)						0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]	0.7 [1]	0.14 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.105 [3]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
P-93D	P93D-ROX-041218	4/12/2018	125.75 - 127.75	45.95	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.000051 J	<0.0002	<0.01 UJ	0.00015 J	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	<0.0002	<0.01	0.000076 J	<0.01
	P93D-ROX-071218	7/12/2018		45.57	NE	<0.0011	<0.0011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00021	<0.00021	<0.011	<0.0011	<0.00021	<0.00021	<0.011	<0.021	<0.011	<0.021	<0.00021	<0.011	<0.0011	<0.011
	P93D-ROX-101518	10/15/2018		45.70	NE	<0.00019	0.000097 J	<0.0097	<0.0097	<0.0097	<0.0097	0.00057 J	<0.0097	0.000035 J	<0.00019	<0.0097	0.000073 J	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097	0.000035 J	<0.0097
	P93D-ROX-011119	1/11/2019		45.31	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	P93D-ROX-041819	4/18/2019		44.50	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	0.00094 J	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	P93D-ROX-071219	7/12/2019		40.53	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
	P93D-ROX-101519	10/15/2019		39.88	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	0.000019 J	0.000021 J	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	P93D-ROX-010820	1/8/2020		41.68	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096 UJ	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096 UJ	<0.019 UJ	<0.0096	<0.019 UJ	<0.00019	<0.0096 UJ	<0.00019	<0.0096
	P93D-ROX-042020	4/20/2020	125.66 - 127.66	40.41	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	P93D-ROX-071320	7/13/2020		39.87	NE	<0.00019	<0.00019	<0.0097 H UJ	<0.0097 H UJ	<0.0097 H UJ	<0.0097 H UJ	<0.0097 H UJ	<0.0097 H UJ	<0.00019	<0.00019	<0.0097 H UJ	<0.00019	<0.00019	0.00006 J	<0.0097 H UJ	<0.019 H UJ	<0.0097 H UJ	<0.019 H UJ	<0.00019	<0.0097 H UJ	<0.00019	<0.0097 H UJ
	P93D-ROX-102220	10/22/2020		40.63	NE	<0.00019	<0.00019	<0.0094	<0.0094	0.0033 J	0.0046 J	<0.0094	<0.0094	<0.00019	<0.00019	<0.0094	<0.00019	<0.00019	<0.00019	<0.0094	0.0035 J	<0.0094	<0.019	<0.00019	0.73	<0.00019	<0.0094
	P93D-ROX-011321	1/13/2021	125.66 - 127.66	41.40	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
P-114R	P114R-ROX-040618	4/6/2018	23.01 - 33.01	26.76	NE	<0.0002	<0.0002 UJ	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	P114R-ROX-070918	7/9/2018		26.38	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.019	0.00017 J	<0.0097	<0.00019	<0.0097
	P114R-ROX-101118	10/11/2018		26.27	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098 UJ	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098 UJ	<0.0002	<0.0098 UJ
	P114R-ROX-101118-DUP	10/11/2018		26.27	NE	<0.00039	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098 UJ	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098 UJ	<0.00039	<0.0098 UJ
	P114R-ROX-010719	1/7/2019		25.88	NE	<0.00019	<0.00019 UJ	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019 UJ	0.000052 J	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	P114R-ROX-041519	4/15/2019		24.70	NE	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00016 J	<0.0002	<0.01	<0.001	<0.0002	<0.0002	<0.01	<0.02	<0.01	<0.02	0.000043 J	<0.01	<0.001	<0.01
	P114R-ROX-041519-DUP	4/15/2019		24.70	NE	<0.0002	<0.00099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	0.000057 J	<0.0002	<0.0099	<0.00099	0.000042 J	0.000091 J	<0.0099	<0.02	<0.0099	<0.02	0.000031 J	<0.0099	0.000053 J	<0.0099
	P114R-ROX-070919	7/9/2019		19.48	NE	<0.00096 UJ	<0.00096 UJ	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.00096 UJ	<0.00096 UJ	<0.048	<0.00096 UJ	<0.00096 UJ	<0.00096 UJ	<0.048	0.0054 J	<0.048	<0.096	<0.00096 UJ	<0.048	<0.00096 UJ	<0.048
	P114R-ROX-100919	10/9/2019		20.46	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	0.000041 J	<0.00019	<0.0097	<0.019	<0.0097	<0.019	<0.00019	<0.0097	0.00012 J	<0.0097
	P114R-ROX-010620	1/6/2020		22.15	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	0.0028 J *	<0.00019	<0.0095	<0.00019	<0.0095
	P114R-ROX-010620-PCP	1/6/2020		22.15	NE																		0.0021 J H J				
	P114R-ROX-040720	4/7/2020		21.49	NE	0.00036 J	0.00087 J	<0.046	<0.046	<0.046	<0.046	<0.046	<0.046	<0.00092	<0.00092	<0.046	0.0006 J	<0.00092	<0.00092	<0.046	<0.092	<0.046	<0.092	<0.00092	<0.046	<0.00092	<0.046
	P114R-ROX-040720-RE	4/7/2020		21.49	NE	<0.0012 UJ	<0.0012 UJ	<0.024	<0.019 H UJ	<0.024	<0.019 H UJ	0.0035 J	<0.024	<0.00024	<0.00024	<0.024	<0.0012 UJ	<0.00024	<0.00024	<0.024	<0.048	<0.024	<0.039 H UJ	<0.00024	<0.024	<0.0012 UJ	<0.024
	P114R-ROX-070920	7/9/2020		20.40	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098 UJ
	P114R-ROX-101420	10/14/2020		22.27	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.0095 H UJ	<0.00021	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.0095 H UJ
	P114R-ROX-010821	1/8/2021	23.01 - 33.01	23.81	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094 UJ	<0.00019	<0.00019	<0.0094	<0.00019	<0.00019	<0.00019	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094
ROST-3-MW	ROST3MW-ROX-040618	4/6/2018	37.81 - 47.81	39.98	NE	<0.0002	<0.0002 UJ	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	0.000087 J	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	0.000067 J	<0.0098	<0.0002	<0.0098
	ROST3MW-ROX-070518	7/5/2018		40.74	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	<0.00021	0.00043 B	<0.00021	<0.01	<0.021	<0.01	<0.021	0.000054 J	<0.01	<0.00021	<0.01
	ROST3MW-ROX-100918	10/9/2018		40.72	NE	<0.000095	<0.000095	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.0095 UJ	<0.0095	<0.000095	0.00016 J	<0.0095	<0.000095	0.00032	0.000091 J J	<0.0095	<0.0095	<0.024	<0.024 UJ	0.00026 J	<0.0095	0.00002 J	<0.0095
	ROST3MW-ROX-011019	1/10/2019		40.62	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	0.0001 J	<0.0095	<0.00019	0.00016 J	<0.00019	<0.0095	<0.019	<0.0095	<0.019	0.00013 J	<0.0095	<0.00019	<0.0095
	ROST3MW-ROX041219	4/12/2019		40.40	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	0.000079 J	<0.0098	<0.0002	0.00022	<0.0002	<0.0098	<0.02	<0.0098	<0.02	0.000094 J	<0.0098	<0.0002	<0.0098
	ROST3MW-ROX-071119	7/11/2019		36.38	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096 UJ	<0.00019	0.00012 J	<0.0096	<0.00019	0.0036	0.0014	<0.0096	<0.019	<0.0096	<0.019	0.00015 J	<0.0096 UJ	<0.00019	<0.0096 UJ
	ROST3MW-ROX-101419	10/14/2019		35.57	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095 UJ	<0.00019	0.00015 J	0.000027 J	<0.0095	<0.019	<0.0095	<0.019	0.000045 J	<0.0095	<0.00019	<0.0095
	ROST3MW-ROX-010920	1/9/2020		36.56	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	ROST3MW-ROX-041020	4/10/2020		36.33	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	<0.0002	<0.0099	<0.0002	<0.0002	<0.0002	<0.0099	<0.02	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	ROST3MW-ROX-071320	7/13/2020		34.98	NE	<0.00019	<0.00019	<0.0094	0.00029 J	<0.0094	<0.0094	<0.0094	<0.0094	<0.00019	<0.00019	<0.0094	<0.00019	0.0018	0.00057	<0.0094	<0.019	<0.0094	<0.019	0.00014 J	<0.0094	<0.00019	<0.0094 UJ
	ROST3MW-ROX-101920	10/19/2020		35.35	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094 UJ	<0.00019	<0.00019	<0.0094	<0.00019	<0.00019	<0.00019	<0.0094	<0.019	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094 UJ
	ROST3MW-ROX-010821	1/8/2021	37.81 - 47.81	36.49	NE	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.00008 J	<0.00021	<0.011	<0.00021	0.00018 J	<0.00021	<0.011	<0.021	<0.011	<0.021	<0.00021	<0.011	0.000046 J	<0.011
ROST-4-PZ(C)	ROST4PZC-ROX-040918	4/9/2018	34.95 - 44.95	40.13	NE	<0.0002	<0.0002	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	0.0002	<0.01	<0.0002	0.0043	<0.0002	<0.01	<0.02	<0.01	<0.02	0.00068	<0.01	0.00006 J	<0.01 UJ
	ROST4PZC-ROX-070918	7/9/2018		40.87	NE	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00022	0.00019 J	<0.011	<0.00022	0.002	0.00011 J	<0.011	<0.022	<0.011	<0.022	0.00062	<0.011	0.000034 J	<0.011
	ROST4PZC-ROX-101218	10/12/2018		40.91	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098 UJ	<0.0002	0.00032	0.0012 J	<0.0002	0.0064	0.00058	<0.0098	<0.02	<0.0098	<0.02	0.00083	<0.0098 UJ	<0.0002	<0.0098 UJ
	ROST4PZC-ROX-010919	1/9/2019		40.89	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.00003 J	0.00068	<0.01	<0.0002	0.019	0.0065	<0.01	<0.02	<0.01	<0.02	0.0017	<0.01	0.000061 J	<0.01
	ROST4PZC-ROX-041619	4/16/2019		40.69	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.000024 J	0.0005	<0.01	<0.0002	0.02	0.0018	<0.01	<0.02	<0.01	<0.02	0.00078	<0.01	0.000052 J	<0.01
	ROST4PZC-ROX-071219	7/12/2019		37.64	NE	<0.00097 H UJ	<0.00097 H UJ	0.00094 J H J	<0.0097 H UJ	<0.0097 H UJ	<0.0097 H UJ	<0.0097 H UJ	<0.0097 H UJ	<0.00097 H UJ	0.0016 H J	0.0015 J H J	<0.00097 H UJ	0.072 H J	0.066 H J	<0.0097 H UJ	<0.019 H UJ	<0.0097 H UJ	<0.019 H UJ	0.0041 H J	<0.0097 H UJ	<0.00097 H UJ	<0.0097 H UJ
	ROST4PZC-ROX-101419	10/14/2019		35.97	NE	<0.00019	<0.00019	0.0016 J	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019 U	0.0013	<0.0095 UJ	<0.00019	0.035	0.0078	<0.0095	<0.019	<0.0095	<0.019	0.0037	<0.0095	<0.00019 U	<0.0095
	ROST4PZC-ROX-010720	1/7/2020		36.95	NE	<0.0002	<0.0002	0.00082 J	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	0.00098	<0.0098	<0.0002	0.024	0.013	<0.0098	<0.02	<0.0098	<0.02	0.003	<0.0098	<0.0002	<0.0098
	ROST4PZC-ROX-041520	4/15/2020		36.71	NE	<0.0002	<0.0002	0.0016 J	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	0.0015	<0.0098	<0.0002	0.054	0.025	<0.0098	<0.02	<0.0098	<0.02	0.0037	<0.0098	0.000059 J	<0.0098
	ROST4PZC-ROX-071520	7/15/2020		35.49	NE	<0.00019	<0.00019	0.0014 J * J	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	0.00008 J	0.0014	0.0012 J	<0.00019	0.048	0.029 J	<0.0097	<0.019	<0.0097	<0.019	0.0043	<0.0097	0.00015 J	<0.0097
	ROST4PZC-ROX-071520-DUP	7/15/2020		35.49	NE	<0.00019	<0.00019	0.0013 J * J	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	0.000081 J	0.0015	0.001 J	<0.00019	0.048	0.022 J	<0.0096	<0.019	<0.0096	<0.019	0.004	<0.0096	0.00015 J	<0.0096
	ROST4PZC-ROX-101920	10/19/2020		35.51	NE	<0.00019	<0.00019	0.00071 J	<0.0094 U	<0.0094	0.0025 J	<0.0094	<0.0094 UJ	0.00019	0.0017	<0.0094	<0.00019	0.049	0.057	<0.0094	<0.019	<0.0094	<0.019	0.0072	<0.0094	0.0005	<0.0094 UJ
	ROST4PZC-ROX-011421	1/14/2021	34.95 - 44.95	36.44	NE	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00021 U	0.001	<0.011	<0.00021	0.037	0.029	<0.011	<0.021	<0.011	<0.021	0.0031	<0.011	<0.00021 U	<0.011

TABLE 3
SUMMARY OF GROUNDWATER MONITORING WELL ANALYTICAL DETECTIONS AND EXCEEDANCES

						SVOCs																		
						Chrysene (1,2-Benzphenanthracene)	Dibenzo(a,h)anthracene	Dibenzofuran	Diethyl phthalate	2,4-Dimethylphenol	Di-n-butyl phthalate	Di-n-octyl phthalate	1,4-Dioxane	Fluoranthene	Fluorene	Indene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	3 & 4-Methylphenol (m & p-Cresol)	2-Nitroaniline	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	Pyridine
Screening Values (mg/L)						0.012 [1]	0.0003 [1]	0.007 [3]	5.6 [1]	0.14 [2]	0.7 [1]	0.14 [2]	0.0077 [1]	0.28 [1]	0.28 [1]		0.00043 [1]	0.49 [3]	0.028 [1]	0.35 [1]	0.35 [3]	0.105 [3]	0.001 [1]	0.21 [3]	0.1 [1]	0.21 [1]	0.007 [3]
Location	**Sample ID**	**Sample Date**	**Screened Interval (ft btoc)**	**Depth to Water (ft btoc)**	**Product Thickness (ft)**	**Analytical Results (mg/L)**																					
ROST-4-PZ(E)	ROST4PZE-ROX-040918	4/9/2018	34.75 - 44.75	38.93	NE	<0.0002	<0.0002	<0.01 UJ	<0.01	<0.01	<0.01	<0.01	<0.01	0.00011 J	<0.0002	<0.01	<0.0002	0.024	0.019	<0.01	<0.02	<0.01	<0.02	0.0021	<0.01	0.00045	<0.01 UJ
	ROST4PZE-ROX-071018	7/10/2018		39.52	NE	0.00018 J	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.00054	<0.00022	<0.011	0.000061 J	0.011	0.014	<0.011	<0.022	<0.011	<0.022	0.0042	<0.011	0.0008	<0.011
	ROST4PZE-ROX-101518	10/15/2018		39.76	NE	<0.0002	<0.0002	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.0002	<0.0002	<0.049	<0.0002	0.0051	0.004	<0.049	<0.098	<0.049	<0.098	0.0028	<0.049	<0.0002	<0.049
	ROST4PZE-ROX-010719	1/7/2019		39.72	NE	0.00038	<0.00038 UJ	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	0.00095	<0.00038	<0.0095	<0.00038 UJ	0.0015	0.0018	<0.0095	<0.019	<0.0095	<0.019	<0.00038	<0.0095	0.0015	<0.0095
	ROST4PZE-ROX-041219	4/12/2019		39.55	NE	<0.00098	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	0.00019 J	<0.0098	<0.0002	0.0019 J	0.0021 J	<0.0098	<0.02	<0.0098	<0.02	0.0014	<0.0098	0.00042 J	<0.0098
	ROST4PZE-ROX-041219-DUP	4/12/2019		39.55	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019	<0.00019	<0.0097	<0.00019	0.0029 J	0.0032 J	<0.0097	<0.019	<0.0097	<0.019	0.0014	<0.0097	0.00024	<0.0097
	ROST4PZE-ROX-071219	7/12/2019		NM	NE	0.00028 J H J	<0.00098 H UJ	<0.0098 H UJ	<0.0098 H UJ	<0.0098 H UJ	<0.0098 H UJ	<0.0098 H UJ	<0.0098 H UJ	0.00044 J H J	0.0025 H J	<0.0098 H UJ	<0.00098 H UJ	0.048 H J	0.021 H J	<0.0098 H UJ	<0.02 H UJ	<0.0098 H UJ	<0.02 H UJ	0.01 H J	0.026 H J	0.0012 H J	<0.0098 H UJ
	ROST4PZE-ROX-101519	10/15/2019		35.01	NE	<0.00019	<0.00019	0.0018 J	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	0.00012 J B	0.0016	0.0059 J J	<0.00019	0.053	0.059	<0.0095	<0.019	<0.0095	<0.019	0.0057	0.0042 J *	0.00036 B	<0.0095
	ROST4PZE-ROX-010720	1/7/2020		36.10	NE	0.00029	<0.0002	0.0021 J	<0.0098	<0.0098 UJ	<0.0098	<0.0098	<0.0098	0.00035	0.0041	<0.0098 U	<0.0002	0.074	0.07	<0.0098 UJ	<0.02 UJ	<0.0098	<0.02 UJ	0.011	<0.0098 UJ	0.0013	<0.0098
	ROST4PZE-ROX-041620	4/16/2020		35.90	NE	<0.00019	<0.00019	0.0023 J	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	0.00012 J J	0.0023	0.0064 J	<0.00019	0.076	0.09	<0.0097	<0.019	<0.0097	<0.019	0.007	<0.0097	0.00039	<0.0097
	ROST4PZE-ROX-071720	7/17/2020		34.73	NE	<0.00019	<0.00019	0.0011 J	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093 UJ	0.00011 J	0.0012 J	0.0032 J J	<0.00019	0.049	0.063	<0.0093	<0.019	<0.0093	<0.019	0.0043	<0.0093	0.00016 J	<0.0093 UJ
	ROST4PZE-ROX-071720-DUP	7/17/2020		34.73	NE	<0.00019	<0.00019	0.0013 J	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093 UJ	0.0001 J	0.0017 J	0.004 J J	<0.00019	0.055	0.067	<0.0093	0.0013 J	<0.0093	<0.019	0.0053	<0.0093	0.00029	<0.0093 UJ
	ROST4PZE-ROX-101920	10/19/2020		34.59	NE	<0.00019	<0.00019	0.0012 J	<0.0094	<0.0094	0.0027 J	<0.0094	<0.0094 UJ	0.000089 J	0.001	0.0057 J	<0.00019	0.031	0.018	<0.0094	0.0045 J	<0.0094	<0.019	0.0031	<0.0094	0.000097 J	<0.0094 UJ
ROST-4-PZ(G)	ROST4PZG-ROX-040918	4/9/2018	34.28 - 44.28	40.07	NE	<0.0002	<0.0002	<0.0098 UJ	<0.0098	<0.0098	<0.0098	<0.0098 UJ	<0.0098	0.000026 J	<0.0002	<0.0098	<0.0002	<0.0002	<0.0002	<0.0098	<0.02	<0.0098	<0.02	0.0001 J	<0.0098	0.000032 J	<0.0098 UJ
	ROST4PZG-ROX-070918	7/9/2018		40.81	NE	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00021	<0.00021	<0.011	<0.00021	<0.00021	<0.00021	<0.011	<0.021	<0.011	<0.021	0.000087 J	<0.011	<0.00021	<0.011
	ROST4PZG-ROX-101218	10/12/2018		40.93	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097 UJ	<0.00019	<0.00019	<0.0097	<0.00019	0.00012 J	0.00014 J	<0.0097	<0.019	<0.0097	<0.019	0.00013 J	<0.0097 UJ	<0.00019	<0.0097 UJ
	ROST4PZG-ROX-010719	1/7/2019		40.49	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	0.000093 J	<0.0095	<0.00019	<0.0095
	ROST4PZG-ROX-041119	4/11/2019		40.35	NE	<0.00019	<0.00019 UJ	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	0.00006 J	<0.0095	<0.00019 UJ	0.000022 J	0.000025 J	<0.0095	<0.019	<0.0095	<0.019	0.000058 J	<0.0095	<0.00019	<0.0095
	ROST4PZG-ROX-071219	7/12/2019		36.60	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	0.000038 J	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	0.0015 J	<0.0096	<0.019	0.000031 J	<0.0096	<0.00019	<0.0096
	ROST4PZG-ROX-100719	10/7/2019		35.69	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095 UJ	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	ROST4PZG-ROX-011320	1/13/2020		37.07	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	ROST4PZG-ROX-041520	4/15/2020		36.28	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	ROST4PZG-ROX-041520-DUP	4/15/2020		36.28	NE	<0.0002	<0.0002	0.0013 J H J	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0002	<0.0002	<0.0095 H UJ	<0.0002	0.000099 J J	<0.0002	<0.0095 H UJ	<0.019 H UJ	<0.0095 H UJ	<0.019 H UJ	<0.0002	<0.0095 H UJ	<0.0002	<0.0095 H UJ
	ROST4PZG-ROX-071320	7/13/2020		35.09	NE	<0.00019	<0.00019	<0.0094	0.00048 J	<0.0094	<0.0094	<0.0094	<0.0094	<0.00019	<0.00019	<0.0094	<0.00019	<0.00019	<0.00019	<0.0094	0.075	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094 UJ
	ROST4PZG-ROX-101620	10/16/2020		35.41	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	0.034	<0.0095	<0.019	<0.00019	<0.0095 UJ	<0.00019	<0.0095 UJ
	ROST4PZG-ROX-011321	1/13/2021	34.28 - 44.28	36.30	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	<0.00021	<0.00021	<0.00021	<0.01	<0.021	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01 U
T-12	T12-ROX-041218	4/12/2018	46.83 - 72.83	43.03	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	0.00031	<0.0099 UJ	<0.0002	0.033	0.036	<0.0099	<0.02	<0.0099	<0.02	0.0008	0.037	<0.0002	<0.0099
	T12-ROX-071118	7/11/2018		44.12	NE	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00022	0.00028	<0.011	<0.00022	0.022	0.034	<0.011	<0.022	<0.011	<0.022	0.00054	0.053	0.000033 J	<0.011 UJ
	T12-ROX-101618	10/16/2018		43.90	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	0.003 J	0.0017 J	<0.0097	0.000057 J	0.00046	<0.0097	<0.00019	0.022	0.031	<0.0097	<0.019	<0.0097	0.0018 J	0.00065	0.032	0.000054 J	<0.0097
	T12-ROX-011019	1/10/2019		44.00	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	0.0037 J	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.022	0.032	<0.0095	<0.019	<0.0095	<0.019	0.00094	0.065	0.000084 J	<0.0095
	T12-ROX-041719	4/17/2019		43.38	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	0.000028 J	0.00033	<0.0099	<0.0002	0.019	0.027	<0.0099	<0.02	<0.0099	<0.02	0.00068	0.048	0.000046 J J	<0.0099
	T12-ROX-041719-PCE	4/17/2019		43.38	NE																						
	T12-ROX-071519	7/15/2019		39.74	NE	<0.00019	<0.00019	<0.0097	<0.0097	<0.0097	0.0034 J	<0.0097	<0.0097	<0.00019	0.0002	<0.0097	<0.00019	0.025	0.034	<0.0097	<0.019	<0.0097	<0.019	0.00047	0.076	<0.00019	<0.0097
	T12-ROX-101519	10/15/2019		38.40	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	0.0053 J	<0.0095	<0.0095	<0.00019	<0.00019	0.0015 J J	<0.00019	0.018	0.026	<0.0095	<0.019	<0.0095	<0.019	0.0005 B	0.063	<0.00019	<0.0095
	T12-ROX-010920	1/9/2020		40.17	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	0.0017 J	<0.00019	0.028	0.039	<0.0096	<0.019	<0.0096	<0.019	0.0008	0.06	<0.00019	<0.0096
	T12-ROX-010920-DUP	1/9/2020		40.17	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	0.0003	0.0019 J	<0.00019	0.03	0.04	<0.0096	<0.019	<0.0096	<0.019	0.0008	0.071	<0.00019	<0.0096
	T12-ROX-041720	4/17/2020		39.44	NE	<0.0002	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	0.00032	<0.0098	<0.0002	0.016	0.017	<0.0098	<0.02	<0.0098	<0.02	0.00034	0.07	0.000081 J	<0.0098
	T12-ROX-071620	7/16/2020		38.30	NE	<0.00019	<0.00019	<0.0096	<0.0096	0.0069 J	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	0.0026 J	<0.00019	0.008	0.0076	<0.0096	0.0013 J	<0.0096	<0.019	<0.00019	0.11	<0.00019	<0.0096
	T12-ROX-102120	10/21/2020		38.57	NE	<0.0002	<0.0002	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0002	0.00031	<0.0099	<0.0002	0.017	0.022	<0.0099	<0.02	<0.0099	<0.02	0.00047	0.13	<0.0002	<0.0099
	T12-ROX-102120-DUP	10/21/2020		38.57	NE	<0.0002	<0.0002	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0002	0.00038	0.0012 J	<0.0002	0.02	0.028	<0.01	<0.02	<0.01	<0.02	0.00059	0.13	<0.0002	<0.01
	T12-ROX-011221	1/12/2021	46.83 - 72.83	39.48	NE	<0.00019	<0.00019	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	0.000079 J	0.00035	<0.0094	<0.00019	0.018	0.025	<0.0094	<0.019	<0.0094	<0.019	0.00062	0.091	0.000076 J	<0.0094
	T12-ROX-011221-DUP	1/12/2021		39.48	NE	0.00015 J	0.00039	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095	0.0001 J	0.00036	<0.0095	0.00025	0.019	0.027	<0.0095	<0.019	<0.0095	<0.019	0.00057	0.11	0.00012 J	<0.0095

Notes:

1 Denotes screening critieria source from 35 I.A.C. 620, Subpart D.

2 Denotes screening critieria source from 35 I.A.C. 742 (TACO), Appendix B, Table E.

3 Denotes screening criteria source from IL EPA Toxicity Assessment Unit (Chemicals not in TACO, Tier 1 Tables).

Groundwater monitoring wells designated for sampling in the Interim Groundwater Monitoring Program, P-55R, P-58, and P-68, contained LNAPL; therefore, these wells were not sampled.

The screened interval for certain monitoring wells was adjusted based on an evaluation of the results of annual bottom depth gauging conducted in the first quarter of each year.

Indicates a historical exceedance of screening criteria.

Indicates a current exceedance of screening criteria.

Empty shaded cell without a value indicates previous quarter analyte result was rejected or the analyte was not analyzed.

Empty cell without a value indicates current quarter analyte result was rejected or the analyte was not analyzed.

LABORATORY QUALIFIERS

B = Target analyte was identified in the method blank, indicating possible lab contamination.

J = The analyte was detected below the reporting limit. Result is estimated.

H = Analyzed or extracted out of holding time criteria.

F1 = Indicates MS and/or MSD recovery is outside acceptance limit.

F2 = MS/MSD RPD exceeds control limits.

* = Indicates LCS and/or LCSD and/or LCS/LCSD RPD is outside contol limit, and/or internal standard recovery is outside contol limit.

*+ = Indicates LCS and/or LCSD is outside acceptance limit, high biased

*1 = LCS/LCSD RPD is outside contol limit

p = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

<#.## Indicates the analyte was not detected above the given reporting limit.

AECOM QUALIFIERS

J = The result is estimated.

UJ = Estimated non-detect.

U = Result is non-detect.

Figures

The following MVS Descriptions and Assumptions apply to **Figure 6**. C Tech Development Corporation's Mining Visualization System, Version 9.94 (MVS 9.94) was used to model the estimated distribution of benzene in the groundwater.

MVS Descriptions and Assumptions:

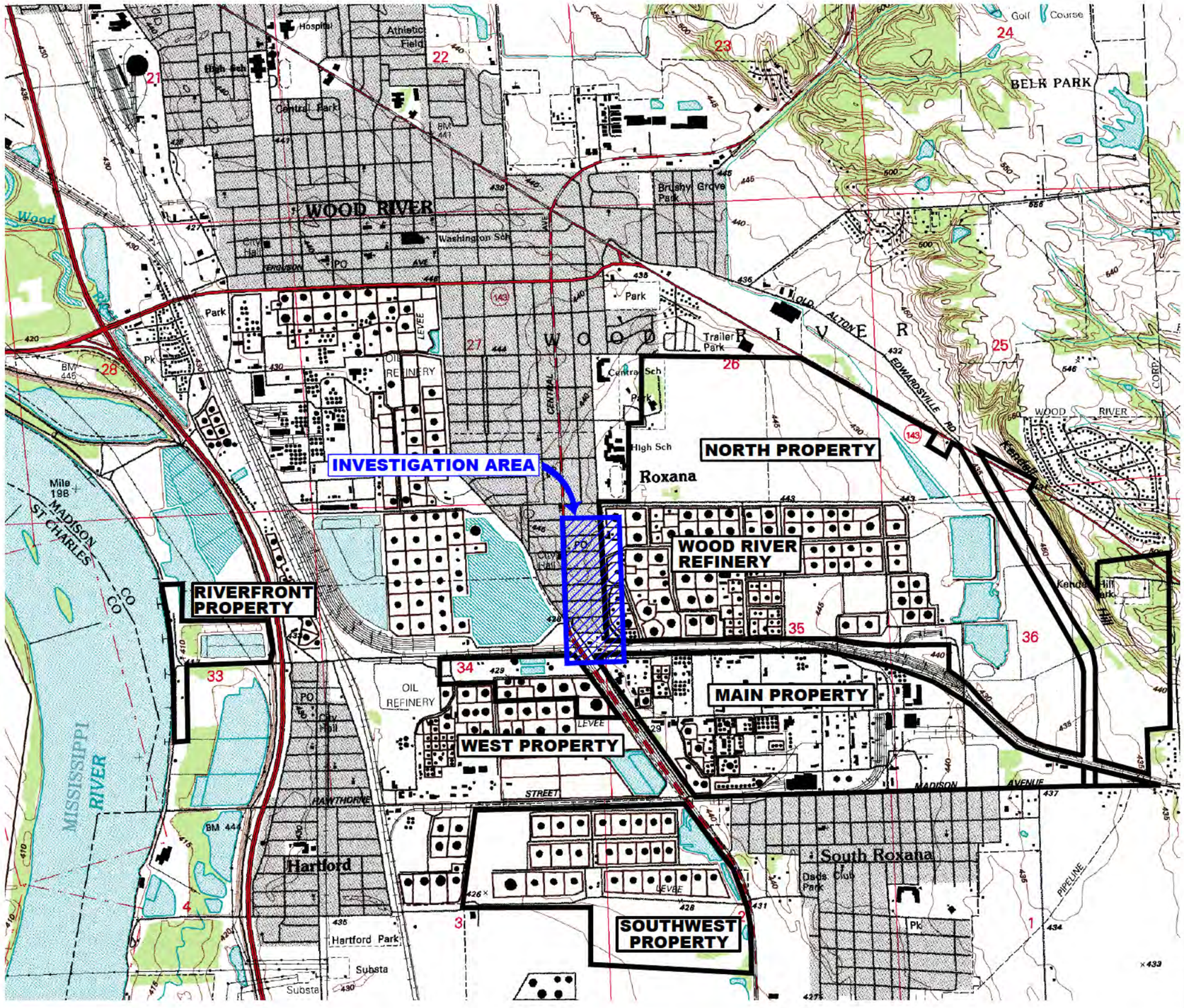
Plan View Model Output – The data input for the plan view model was not limited by depth and was modeled in two dimensions (2D). Regardless of sample depth, benzene concentrations were modeled on a flat horizontal plane.

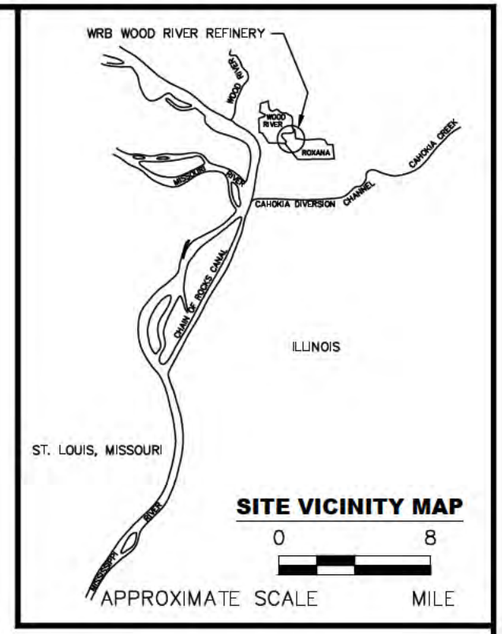
Inward Kriging / Boundary Cut-off – This method of Kriging limits the horizontal extent of data modeling to the extent of the data on the x/y plane in a convex hull.

More simplified, if each sampling location were represented by a tack pushed into the model's surface and a rubber band stretched around them, the model would be represented by the space inside the rubber band.

Duplicate Samples – In locations and depths where duplication samples were collected, the higher concentration was used.

Detection Limits – In cases where the lab reported a non-detect, half the value of the lab reporting limit was used in the model. This conservative method is based on the assumption that the sample is likely not free of benzene, but the quantity contained is lower than detectable at the analyzed dilution.





LEGEND

- WOOD RIVER REFINERY PROPERTY BOUNDARY
- INVESTIGATION AREA

SOURCE: ELECTRONIC USGS DIGITAL RASTER GRAPHIC 7.5 MINUTE TOPOGRAPHIC MAP OF WOOD RIVER, IL–MO REVISED 1994.

0 2000

APPROXIMATE SCALE FEET

N

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US
INTERIM GROUNDWATER MONITORING PROGRAM
ROXANA, ILLINOIS

PROJECT NO. 60648474

AECOM

DRN. BY:gds April 2021
DSGN. BY: mar
CHKD. BY: wmp

Investigation Area Location Map

FIG. NO. 1

File: C:\USERS\POPMA\AECOM\DIRECTORY\GIS_GIS_SERVICES - GIS CAD PROJECTS\GIS_AMERICAS\SHELL\ILLINOIS\MXD\SHELL_WRB_FIGURE_1_INVESTIGATION_AREA_LOCATION_MAP.DWG Last edited: 03/03/21 @ 4:01 PM @ WIC-SHLOGIS

File: C:\USERS\POPAA\AECOM DIRECTORY\GDS GIS SERVICES - GIS CAD PROJECTS\DCS AMERICAS\SHELL\ILLINOIS\USF00666-900_S_CENTRAL_AVE-ROXANA-IL\ROXANA 1Q21 GW RPT\WORK\PART 2\FIGURE 2 GROUNDWATER MONITORING WELL SAMPLING LOCATIONS.DWG Last edited: Mar. 03, 21 @ 4:01 PM by: popaa

LEGEND

- ROXANA INTERIM GROUNDWATER MONITORING WELL LOCATION
- GROUNDWATER MONITORING WELL LOCATION (NOT INCLUDED IN THE ROXANA INTERIM GROUNDWATER MONITORING PROGRAM)
- GROUNDWATER PIEZOMETER LOCATION
- GROUNDWATER PIEZOMETER LOCATION (NOT INCLUDED IN THE ROXANA INTERIM GROUNDWATER MONITORING PROGRAM)
- * ROXANA INTERIM GROUNDWATER MONITORING WELL SAMPLING LOCATION

FIRST ST
SECOND ST
THIRD ST
FOURTH ST
FIFTH ST
SIXTH ST
SEVENTH ST
EIGHTH ST
HIGHWAY 111 (S. CENTRAL AVE)
CHAFFER AVE
RAND AVENUE
VILLAGE OF ROXANA
NORTH PROPERTY
WEST PROPERTY
MAIN PROPERTY
BP
1986 APPROXIMATE BENZENE RELEASE SITE

PZ-1(101)
PZ-1(85)
MW-10 *
MW-9 *
MW-28 *
MW-27 *
P-55R *
ROST-4-PZ(A)
ROST-4-PZ(B)
ROST-4-PZ(C) *
ROST-4-PZ
P-60-11
ROST-3-MW *
ROST-4-PZ(D)
P-60-S
P-60-12
ROST-4-PZ(E) *
ROST-4-PZ(F)
P-60
P-68 *
P-60-13
ROST-4-PZ(G) *
MW-11 *
P-54 *
MW-17
T-12 *
MW-24 *
MW-22 *
MW-18
P-69
P-70
P-74 *
MW-19
P-59 *
P-61
GP-9-PZ
MW-16 *
PZ-2(84)
PZ-2(70.5)
MW-12 *
MW-20
P-56 *
MW-2 *
MW-1 *
T-6
MW-26 *
MW-21
P-57 *
MW-4 *
P-93A *
P-93B *
P-93C *
P-93D *
P-73
MW-3 *
MW-25 *
MW-23 *
MW-5 *
MW-7 *
MW-8 *
P-58 *
P-66 *
P-75
MW-13 *
MW-6A
MW-6B *
MW-6C *
MW-6D *
MW-14 *
P-114R *
T-1
T-24
A-28
A-27

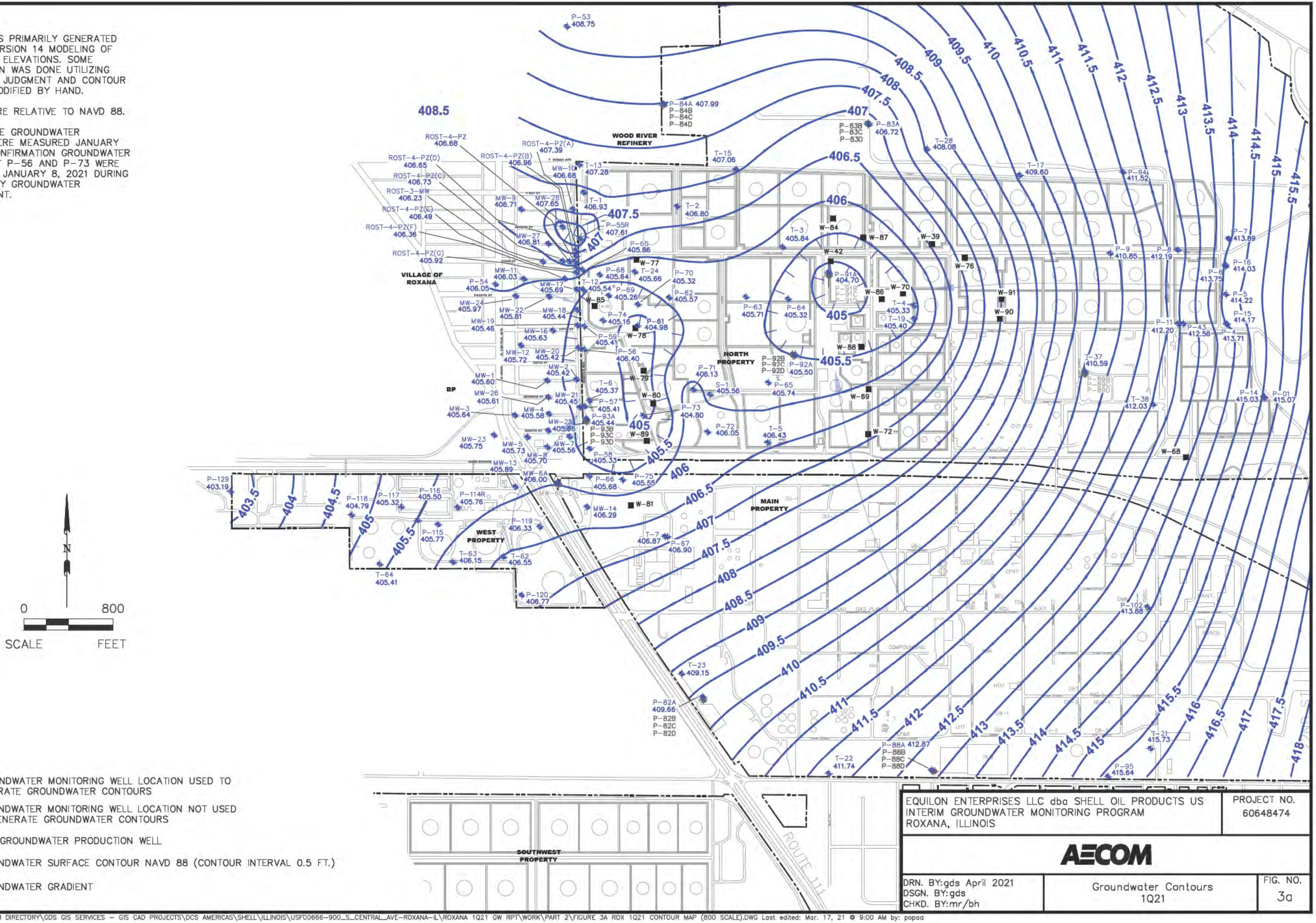
0 200
SCALE FEET
N

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 60648474
AECOM	
DRN. BY:gds April 2021 DSGN. BY:mr CHKD. BY:wmp	Roxana Interim Groundwater Monitoring Well Locations FIG. NO. 2

NOTES:
1. CONTOUR LINES PRIMARILY GENERATED BY SURFER VERSION 14 MODELING OF GROUNDWATER ELEVATIONS. SOME INTERPRETATION WAS DONE UTILIZING PROFESSIONAL JUDGMENT AND CONTOUR LINES WERE MODIFIED BY HAND.

2. ELEVATIONS ARE RELATIVE TO NAVD 88.

3. COMPREHENSIVE GROUNDWATER ELEVATIONS WERE MEASURED JANUARY 4–6, 2021. CONFIRMATION GROUNDWATER ELEVATIONS AT P–56 AND P–73 WERE MEASURED ON JANUARY 8, 2021 DURING THE QUARTERLY GROUNDWATER SAMPLING EVENT.



LEGEND

- GROUNDWATER MONITORING WELL LOCATION USED TO GENERATE GROUNDWATER CONTOURS
- GROUNDWATER MONITORING WELL LOCATION NOT USED TO GENERATE GROUNDWATER CONTOURS
- WRR GROUNDWATER PRODUCTION WELL
- —407— GROUNDWATER SURFACE CONTOUR NAVD 88 (CONTOUR INTERVAL 0.5 FT.)
- GROUNDWATER GRADIENT

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60648474
AECOM		
DRN. BY:gds April 2021 DSGN. BY:gds CHKD. BY:mr/bh	Groundwater Contours 1Q21	FIG. NO. 3a

File: C:\USERS\POPAA\AECOM DIRECTORY\GDS GIS SERVICES – GIS CAD PROJECTS\DCS AMERICAS\SHELL\ILLINOIS\USF00666–900_S_CENTRAL_AVE–ROXANA–IL\ROXANA 1Q21 GW RPT\WORK\PART 2\FIGURE 3A ROX 1Q21 CONTOUR MAP (800 SCALE).DWG Last edited: Mar. 17, 21 @ 9:00 AM by: popaa

File: C:\USERS\POPAA\AECOM DIRECTORY\GDS GIS SERVICES – GIS CAD PROJECTS\DCS AMERICAS\SHELL\ILLINOIS\USF00666–900_S_CENTRAL_AVE–ROXANA–IL\ROXANA 1Q21 GW RPT\WORK\PART 2\FIGURE 3B GW CONTOURS 1Q21 WF.DWG Last edited: Mar. 17, 21 @ 8:59 AM by: popaa

LEGEND

- GROUNDWATER MONITORING WELL LOCATION USED TO GENERATE GROUNDWATER CONTOURS
- GROUNDWATER MONITORING WELL LOCATION NOT USED TO GENERATE GROUNDWATER CONTOURS
- WRR GROUNDWATER PRODUCTION WELL
- –407– GROUNDWATER SURFACE CONTOUR (CONTOUR INTERVAL 0.5 FT)
- GROUNDWATER GRADIENT

NOTES:

1. COMPREHENSIVE GROUNDWATER ELEVATIONS WERE MEASURED JANUARY 4–6, 2021. CONFIRMATION GROUNDWATER ELEVATIONS AT P–56 AND P–73 WERE MEASURED ON JANUARY 8, 2021 DURING THE QUARTERLY GROUNDWATER SAMPLING EVENT.
2. CONTOUR LINES PRIMARILY GENERATED BY SURFER VERSION 14 MODELING OF GROUNDWATER ELEVATIONS. SOME INTERPRETATION WAS DONE UTILIZING PROFESSIONAL JUDGMENT AND CONTOUR LINES WERE MODIFIED BY HAND.
3. ELEVATIONS ARE RELATIVE TO NAVD 88.

TYDEMAN AVE
FIRST ST
SECOND ST
THIRD ST
FOURTH ST
FIFTH ST
SIXTH ST
SEVENTH ST
EIGHTH ST
HIGHWAY 111 (S. CENTRAL AVE)
CHAFFER AVE
RAND AVENUE
VILLAGE OF ROXANA
NORTH PROPERTY
WEST PROPERTY
MAIN PROPERTY
WOOD RIVER REFINERY
PUBLIC WORKS YARD
BP
1986 APPROXIMATE BENZENE RELEASE SITE

407.5, 407, 406.5, 406, 405.5, 405

T–13 407.28; T–1 406.93; T–2 406.80; MW-10 406.68; MW-9 406.71; ROST-4-PZ(A) 407.39; MW-28 407.65; ROST-4-PZ(B) 406 96; P-55R 407.61; MW-27 406.81; ROST-4-PZ(D) 406.65; ROST-4-PZ(C) 406.73; ROST-4-PZ 406.68; ROST-3-MW 406.23; P-60 405.86; ROST-4-PZ(E) 406.49; P-68 405.64; T-24 405.66; P-54 406.05; MW-11 406.03; ROST-4-PZ(F) 406.36; ROST-4-PZ(G) 405.92; P-69 405.26; MW-17 405.69; T-12 405.54; P-70 405.32; P-62 405.57; MW-24 405.97; MW-22 405.81; MW-18 405.44; P-74 405.16; MW-19 405.46; P-59 405.41; P-61 404.98; MW-16 405.63; MW-12 405.72; P-56 406.40; MW-20 405.42; MW-2 405.42; MW-1 405.60; T-6 405.37; MW-26 405.61; MW-21 405.45; P-57 405.41; MW-4 405.58; MW-3 405.64; P-93A 405.44; P-93B; P-93C; P-93D; P-73 404.81; MW-25 405.66; MW-5 405.73; MW-23 405.75; MW-8 405.70; MW-7 405.56; P-58 405.33; P-72 406.05; S–1 405.56; P–71 406.13; MW-13 405.89; MW-6A 406.00; MW-6B; MW-6C; MW-6D; P-66 405.68; P-75 405.55; MW-14 406.29; P–117 405.32; P–116 405.50; P–115 405.77; P–119 406.33; P–67 406.90; T–7 406.87; T–64 405.41; T–63 406.15; T–62 406.55

A–32, A–58, A–57, A–34, A–28, A–33, A–37, A–27, A–35, A–16, A–30, A–39, A–147, F–50, F–76, F–77, F–78, F–73, F–74, F–75

W–77, W–85, W–78, W–79, W–80, W–89, W–81

0 300 SCALE FEET N

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 60648474
AECOM	
DRN. BY: gds April 2021 DSGN. BY: gds CHKD. BY: mr/bh	Groundwater Contours 1Q21– West Fenceline
	FIG. NO. 3b

File: C:\USERS\POPAA\AECOM DIRECTORY\GDS GIS SERVICES – GIS CAD PROJECTS\DCS AMERICAS\SHELL\ILLINOIS\USFD0666-900_S_CENTRAL_AVE-ROXANA-IL\ROXANA 1Q21 GW RPT\WORK\PART 2\FIGURE 4A THICKNESS OF LNAPL (WEST FENCLINE).DWG Last edited: Mar. 17, 21 @ 8:58 AM by: popaa

LEGEND

- GROUNDWATER MONITORING WELL LOCATION GAUGED, LNAPL THICKNESS IN FEET
- GROUNDWATER MONITORING WELL LOCATION (NO LNAPL OBSERVED UNLESS OTHERWISE NOTED)
- GROUNDWATER PIEZOMETER LOCATION (NO LNAPL OBSERVED UNLESS OTHERWISE NOTED)
- OIL RECOVERY WELL
- WATER PRODUCTION WELL
- LNAPL THICKNESS (FEET)
- * INDICATES THAT THE LNAPL AND/OR WATER LEVEL IS ABOVE THE TOP OF WELL SCREEN

NOTE:
1. THIS MAP DEPICTS THE ESTIMATED EXTENT AND THICKNESS OF LNAPL BENEATH THE WEST FENCELINE AREA. REFER TO TABLE 1 FOR GROUNDWATER GAUGING INFORMATION.
2. LNAPL THICKNESS WAS MEASURED DURING THE COMPREHENSIVE GROUNDWATER MONITORING GAUGING EVENT ON JANUARY 4–6, 2021. CONFIRMATION LNAPL THICKNESSES AT P–73 and ROST–4–PZ(E) WERE MEASURED JANUARY 8 AND JANUARY 15, 2021, RESPECTIVELY, DURING THE QUARTERLY GROUNDWATER SAMPLING EVENT.

TYDEMAN AVE
FIRST ST
SECOND ST
THIRD ST
FOURTH ST
FIFTH ST
SIXTH ST
SEVENTH ST
EIGHTH ST
VILLAGE OF ROXANA
HIGHWAY 111 (S. CENTRAL AVE)
CHAFFEE AVE
RAND AVENUE
1986 APPROXIMATE BENZENE RELEASE SITE
PUBLIC WORKS YARD
NORTH PROPERTY
WOOD RIVER REFINERY
MAIN PROPERTY
WEST PROPERTY
BP

P–84A P–84B P–84C P–84D
T–13 T–1 T–2
MW–9 MW–10
ROST–4–PZ(A) MW–28 ROST–4–PZ(B) ROST–4–PZ(D) MW–27 ROST–4–PZ(C) ROST–3–MW ROST–4–PZ
P–55R 0.01*
ROST–4–PZ(E) 0.01 ROST–4–PZ(F) ROST–4–PZ(G)
P–54 MW–11 MW–17 MW–24 MW–22 MW–18 MW–19 MW–16 MW–12 MW–20 MW–2 MW–1 MW–26 MW–21 MW–3 MW–4 MW–25 MW–23 MW–5 MW–8 MW–7 MW–6 MW–13 MW–14
P–60 P–68 0.04* P–69 W–85 P–74 P–59 P–56 P–57 P–58 0.03* P–66 P–75
R–77 W–77 0.01 T–24 0.04* A–33 A–28
P–62 0.03* 0.01 P–70 0.01* A–27
R–78 W–78 0.01 P–61 0.02*
R–79 W–79 P–71 S–1 0.01
R–80 W–80 P–73 P–72 P–93A P–93B P–93C P–93D
R–89 W–89
R–81 W–81
T–12 T–6
P–117 P–114R P–116 P–115 P–119
T–7 0.01 P–67 0.06*

0 300
SCALE FEET

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US
INTERIM GROUNDWATER MONITORING PROGRAM
ROXANA, ILLINOIS

PROJECT NO. 60648474

AECOM

DRN. BY:gds April 2021
DSGN. BY:mr
CHKD. BY:wmp

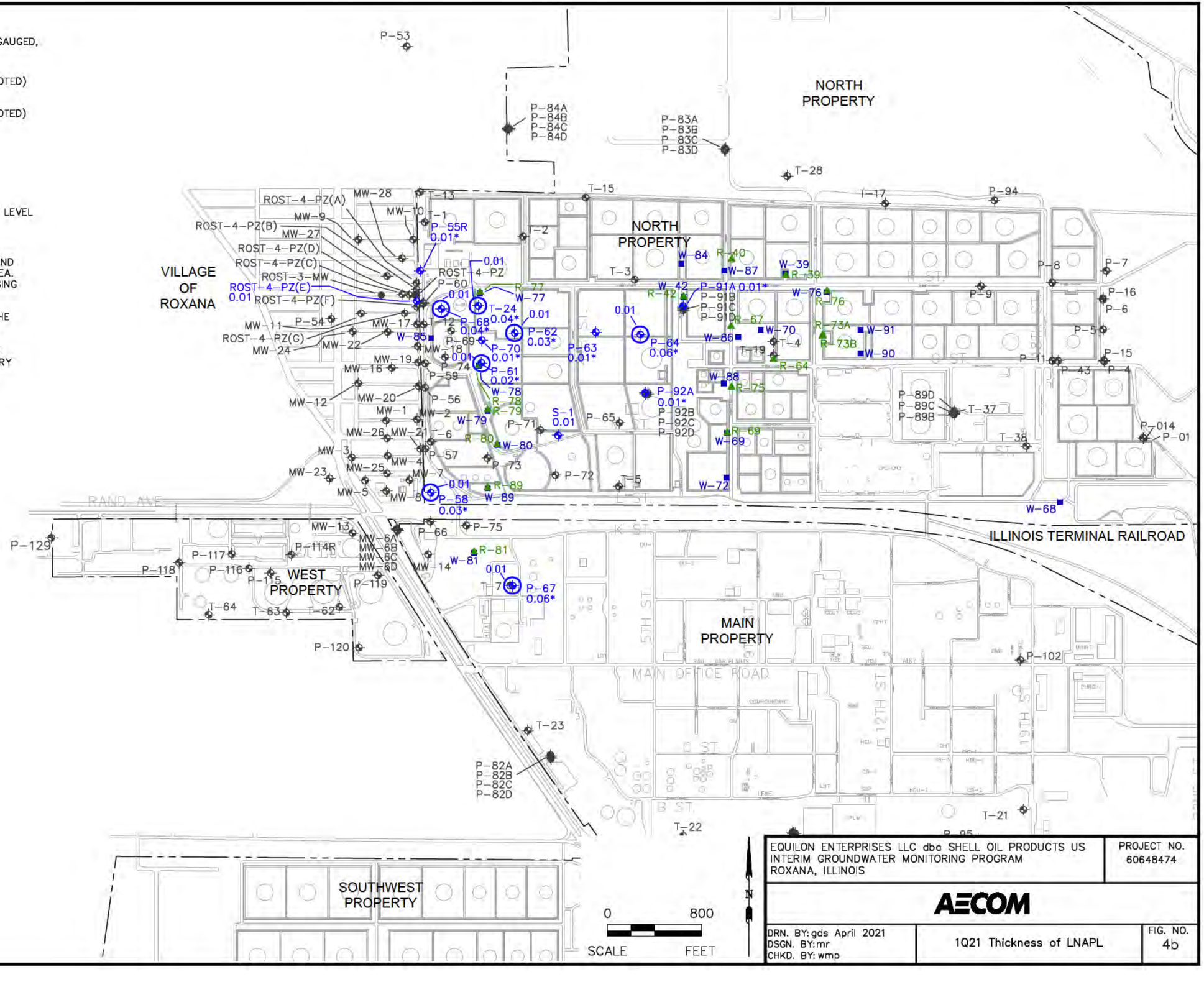
1Q21 Thickness of LNAPL – West Fenceline

FIG. NO. 4a

LEGEND

- GROUNDWATER MONITORING WELL LOCATION GAUGED, LNAPL THICKNESS IN FEET
- GROUNDWATER MONITORING WELL LOCATION (NO LNAPL OBSERVED UNLESS OTHERWISE NOTED)
- GROUNDWATER PIEZOMETER LOCATION (NO LNAPL OBSERVED UNLESS OTHERWISE NOTED)
- OIL RECOVERY WELL
- WATER PRODUCTION WELL
- LNAPL THICKNESS (FEET)
- * INDICATES THAT THE LNAPL AND/OR WATER LEVEL IS ABOVE THE TOP OF WELL SCREEN

NOTES:
1. THIS MAP DEPICTS THE ESTIMATED EXTENT AND THICKNESS OF LNAPL BENEATH THE WRR AREA. REFER TO TABLE 1 FOR GROUNDWATER GAUGING INFORMATION.
2. LNAPL THICKNESS WAS MEASURED DURING THE COMPREHENSIVE GROUNDWATER MONITORING GAUGING EVENT ON JANUARY 4–6, 2021. CONFIRMATION LNAPL THICKNESSES AT P–73 AND ROST–4–PZ(E) WERE MEASURED JANUARY 8 AND JANUARY 15, 2021, RESPECTIVELY, DURING THE QUARTERLY GROUNDWATER SAMPLING EVENT.


NORTH PROPERTY
NORTH PROPERTY
VILLAGE OF ROXANA
WEST PROPERTY
MAIN PROPERTY
SOUTHWEST PROPERTY
ILLINOIS TERMINAL RAILROAD
MAIN OFFICE ROAD
RAND AVE
K ST
J ST
B ST
5TH ST
12TH ST
19TH ST
P-53
P-84A
P-84B
P-84C
P-84D
P-83A
P-83B
P-83C
P-83D
T-28
T-15
T-17
P-94
P-8
P-7
P-16
P-6
P-5
P-15
P-43
P-4
P-014
P-01
P-102
T-37
T-38
T-21
P-95
T-23
P-82A
P-82B
P-82C
P-82D
T-22
P-129
P-118
P-117
P-116
P-115
P-114R
P-119
P-120
T-64
T-63
T-62
MW-28
MW-10
MW-9
MW-27
MW-11
MW-17
MW-22
MW-24
MW-19
MW-16
MW-18
MW-20
MW-1
MW-2
MW-21
MW-26
MW-3
MW-4
MW-23
MW-25
MW-7
MW-5
MW-8
MW-13
MW-6A
MW-6B
MW-6C
MW-6D
MW-14
ROST-4-PZ(A)
ROST-4-PZ(B)
ROST-4-PZ(C)
ROST-4-PZ(D)
ROST-3-MW
ROST-4-PZ(E)
ROST-4-PZ(F)
ROST-4-PZ(G)
ROST-4-PZ
P-55R 0.01*
P-60
P-54
P-69
P-68 0.04*
P-70 0.01*
P-61 0.02*
P-74
P-59
P-56
P-57
P-73
P-58 0.03*
P-66
P-75
P-72
P-71
P-65
P-63 0.01*
P-62 0.03*
P-64 0.06*
P-92A 0.01*
P-92B
P-92C
P-92D
P-91A 0.01*
P-91B
P-91C
P-91D
P-89D
P-89C
P-89B
P-67 0.06*
T-1
T-2
T-3
T-4
T-5
T-6
T-7
T-12
T-13
T-19
T-24 0.04*
S-1 0.01
0.01
R-77
W-77
W-78
R-78
R-79
W-79
R-80
W-80
R-89
W-89
R-81
W-81
W-84
R-40
W-87
W-39
R-39
W-42
R-42
W-86
R-67
W-70
R-64
W-88
R-75
R-69
W-69
W-72
W-68
W-76
R-76
R-73A
R-73B
W-91
W-90
0.01*
0.01
0.01
0.01

File: C:\USERS\POPAA\AECOM DIRECTORY\GDS GIS SERVICES – GIS CAD PROJECTS\DCS AMERICAS\SHELL\ILLINOIS\USFD0666-900_S_CENTRAL_AVE-ROXANA-IL\ROXANA 1Q21 GW RPT\WORK\PART 2\FIGURE 5 1Q21 GROUNDWATER ANALYTICAL RESULTS SUMMARY.DWG Last edited: Mar. 09, 21 @ 9:20 AM by: popaa

LEGEND

- GROUNDWATER MONITORING WELL SAMPLING LOCATION
- GROUNDWATER MONITORING WELL LOCATION NOT SAMPLED
- GROUNDWATER PIEZOMETER LOCATION NOT SAMPLED

NOTES:

1. PER DIRECTION FROM IEPA, ANALYTICAL RESULTS ARE SCREENED AGAINST CRITERIA OUTLINED IN THE WRR RCRA PART B PERMIT.
2. GROUNDWATER SCREENING CRITERIA.

Analyte	Screening Criteria (mg/L)
Benzene	0.005
1,2,4-Trimethylbenzene	0.07
Benzo(a)anthracene	0.00013
Benzo(b)fluoranthene	0.00018
Benzo(k)fluoranthene	0.00017
Dibenzo(a,h)anthracene	0.0003
2-Methylnaphthalene	0.028
Pentachlorophenol	0.001
Phenol	0.1

J = THE RESULT IS ESTIMATED.

3. MULTIPLE RESULTS (e.g., 2000/2200) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.
4. WELLS IDENTIFIED IN BLUE WITH NO DATA BOX INDICATE THE RESULTS DID NOT EXCEED SCREENING CRITERIA.
5. WELLS P-55R, P-58, AND P-68 WERE NOT SAMPLED DURING 1Q21 DUE TO THE PRESENCE OF LNAPL.
6. DATA FROM THE BIS (2-ETHYLHEXYL) PHTHALATE CONFIRMATION RE-ANALYSIS WAS USED FOR WELLS MW-2, MW-7, MW-8, MW-25, MW-28, P-57, P-93A, P-93B, P-93D, AND ROST-4-PZ(C).

Sample Location	MW-28
Sampled 1/14/2021	Result (mg/L)
Benzene	0.034

Sample Location	ROST-4-PZ(C)
Sampled 1/14/2021	Result (mg/L)
2-Methylnaphthalene	0.029

Sample Location	T-12
Sampled 1/12/2021	Result (mg/L)
Benzene	1.6 / 1.6
Benzo(a)anthracene	0.000077 J / **0.00019**
Benzo(b)fluoranthene	<0.00019 / **0.00022**
Benzo(k)fluoranthene	<0.00019 / **0.00023**
Dibenzo(a,h)anthracene	<0.00019 / **0.00039**
Phenol	0.091 / **0.11**

Sample Location	MW-22
Sampled 1/13/2021	Result (mg/L)
Benzene	0.0073
1,2,4-Trimethylbenzene	0.23

Sample Location	P-74
Sampled 1/12/2021	Result (mg/L)
Benzene	0.051

Sample Location	P-59
Sampled 1/13/2021	Result (mg/L)
Benzene	2.1
1,2,4-Trimethylbenzene	0.091

Sample Location	P-57
Sampled 1/13/2021	Result (mg/L)
Benzene	0.11 J / 0.27 J

Sample Location	MW-25
Sampled 1/18/2021	Result (mg/L)
Benzene	0.044 / 0.035

Sample Location	MW-7
Sampled 1/18/2021	Result (mg/L)
Benzene	2000 / 2200

Sample Location	MW-8
Sampled 1/18/2021	Result (mg/L)
Benzene	29
Phenol	0.12

Sample Location	MW-13
Sampled 1/8/2021	Result (mg/L)
Pentachlorophenol	0.014 J

Sample Location	P-93A	P-93B
Sampled 1/14/2021	Result (mg/L)	Result (mg/L)
Benzene	0.36	1200 / 1100
Phenol		0.29 J / 0.16 J

MW-9, MW-10, SECOND ST, MW-28, P-55R, MW-27, ROST-4-PZ(A), ROST-4-PZ(B), ROST-4-PZ(C), THIRD ST, ROST-3-MW, ROST-4-PZ(D), ROST-4-PZ, ROST-4-PZ(E), ROST-4-PZ(F), P-60, P-68, A-28, T-24, A-34, NORTH PROPERTY, MW-11, ROST-4-PZ(G), T-12, MW-17, A-33, P-54, MW-24, FOURTH ST, MW-22, P-69, WOOD RIVER REFINERY, MW-18, P-70, A-27, P-74, MW-19, P-59, P-61, FIFTH ST, MW-16, MW-12, VILLAGE OF ROXANA, P-56, MW-20, HIGHWAY 111 (S. CENTRAL AVE), CHAFFER AVE, SIXTH ST, MW-1, MW-2, BP, MW-26, SEVENTH ST, T-6, MW-21, P-57, MW-4, P-93A, P-93B, P-93C, P-93D, F-78, A-22, P-73, MW-3, MW-25, EIGHTH ST, MW-5, MW-7, MW-23, MW-8, P-58, 1986 APPROXIMATE BENZENE RELEASE SITE, RAND AVENUE, P-66, P-75, MW-13, MW-6A, MW-6B, MW-6C, MW-6D, MAIN PROPERTY, WEST PROPERTY, P-114R, MW-14

0 200 SCALE FEET

N

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US
INTERIM GROUNDWATER MONITORING PROGRAM
ROXANA, ILLINOIS

PROJECT NO. 60648474

AECOM

DRN. BY:gds April 2021
DSGN. BY:mr
CHKD. BY:wmp

1Q21 Groundwater Monitoring Well Analytical Exceedances

FIG. NO. 5

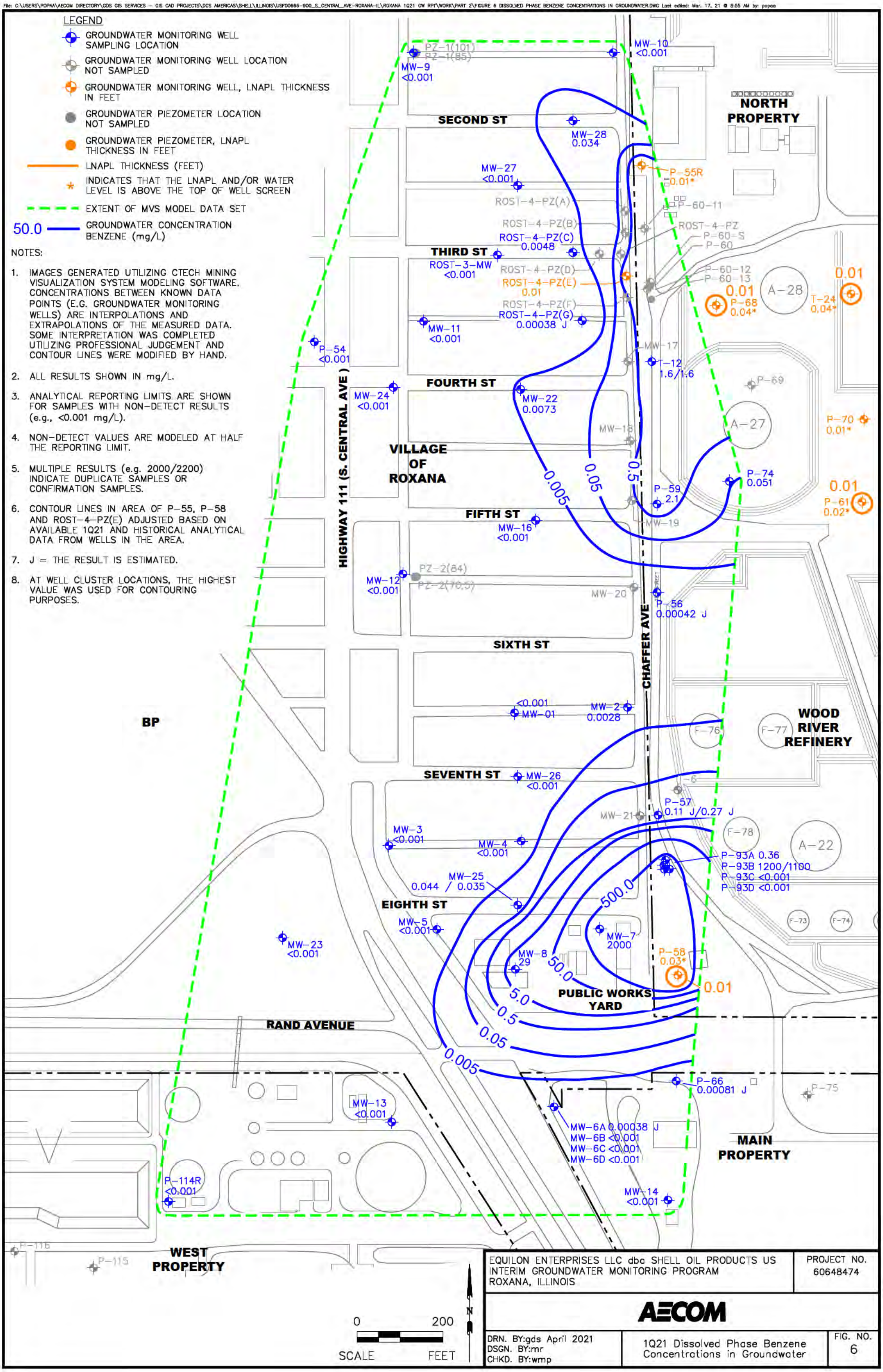
File: C:\USERS\POPAA\AECOM DIRECTORY\GDS GIS SERVICES – GIS CAD PROJECTS\DCS AMERICAS\SHELL\ILLINOIS\USFD0666-900_S_CENTRAL_AVE-ROXANA-IL\ROXANA 1Q21 GW RPT\WORK\PART 2\FIGURE 6 DISSOLVED PHASE BENZENE CONCENTRATIONS IN GROUNDWATER.DWG Last edited: Mar. 17, 21 @ 8:55 AM by: popaa

LEGEND

- GROUNDWATER MONITORING WELL SAMPLING LOCATION
- GROUNDWATER MONITORING WELL LOCATION NOT SAMPLED
- GROUNDWATER MONITORING WELL, LNAPL THICKNESS IN FEET
- GROUNDWATER PIEZOMETER LOCATION NOT SAMPLED
- GROUNDWATER PIEZOMETER, LNAPL THICKNESS IN FEET
- LNAPL THICKNESS (FEET)
- * INDICATES THAT THE LNAPL AND/OR WATER LEVEL IS ABOVE THE TOP OF WELL SCREEN
- EXTENT OF MVS MODEL DATA SET
- 50.0 GROUNDWATER CONCENTRATION BENZENE (mg/L)

NOTES:

1. IMAGES GENERATED UTILIZING CTECH MINING VISUALIZATION SYSTEM MODELING SOFTWARE. CONCENTRATIONS BETWEEN KNOWN DATA POINTS (E.G. GROUNDWATER MONITORING WELLS) ARE INTERPOLATIONS AND EXTRAPOLATIONS OF THE MEASURED DATA. SOME INTERPRETATION WAS COMPLETED UTILIZING PROFESSIONAL JUDGEMENT AND CONTOUR LINES WERE MODIFIED BY HAND.
2. ALL RESULTS SHOWN IN mg/L.
3. ANALYTICAL REPORTING LIMITS ARE SHOWN FOR SAMPLES WITH NON-DETECT RESULTS (e.g., <0.001 mg/L).
4. NON-DETECT VALUES ARE MODELED AT HALF THE REPORTING LIMIT.
5. MULTIPLE RESULTS (e.g. 2000/2200) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.
6. CONTOUR LINES IN AREA OF P-55, P-58 AND ROST-4-PZ(E) ADJUSTED BASED ON AVAILABLE 1Q21 AND HISTORICAL ANALYTICAL DATA FROM WELLS IN THE AREA.
7. J = THE RESULT IS ESTIMATED.
8. AT WELL CLUSTER LOCATIONS, THE HIGHEST VALUE WAS USED FOR CONTOURING PURPOSES.



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ROXANA, ILLINOIS

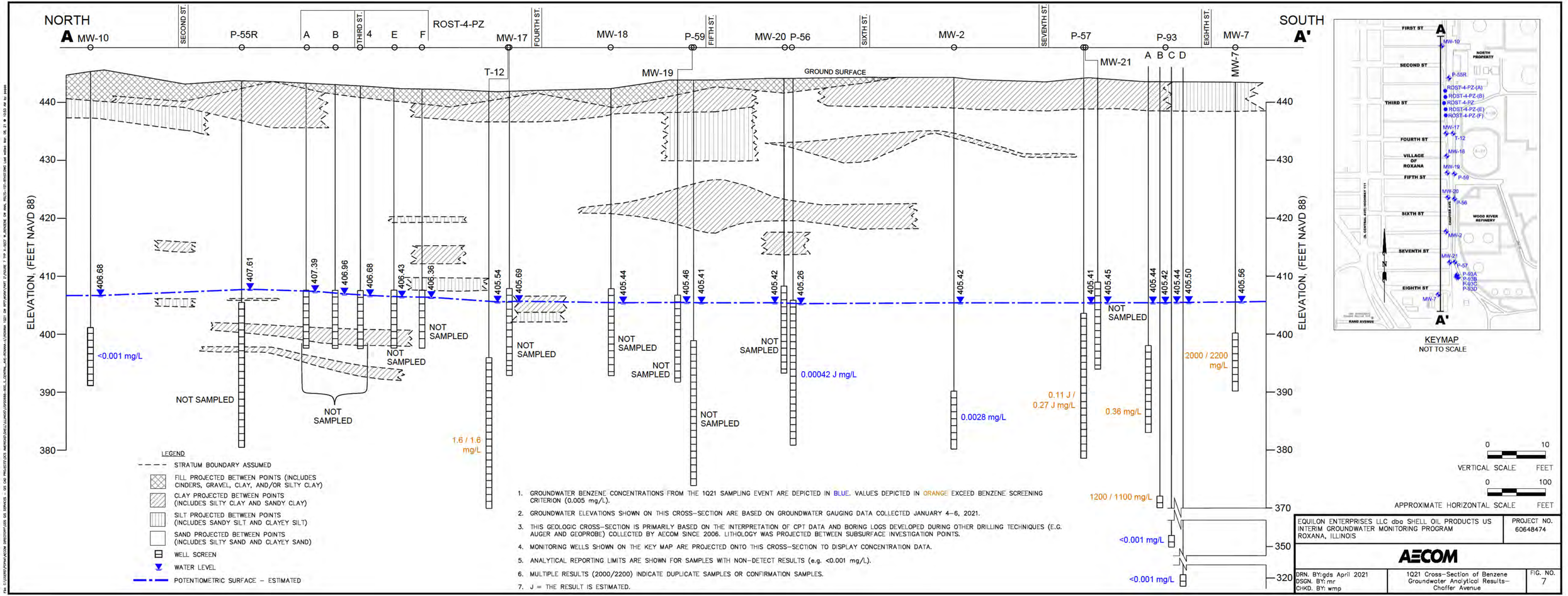
PROJECT NO. 60648474

AECOM

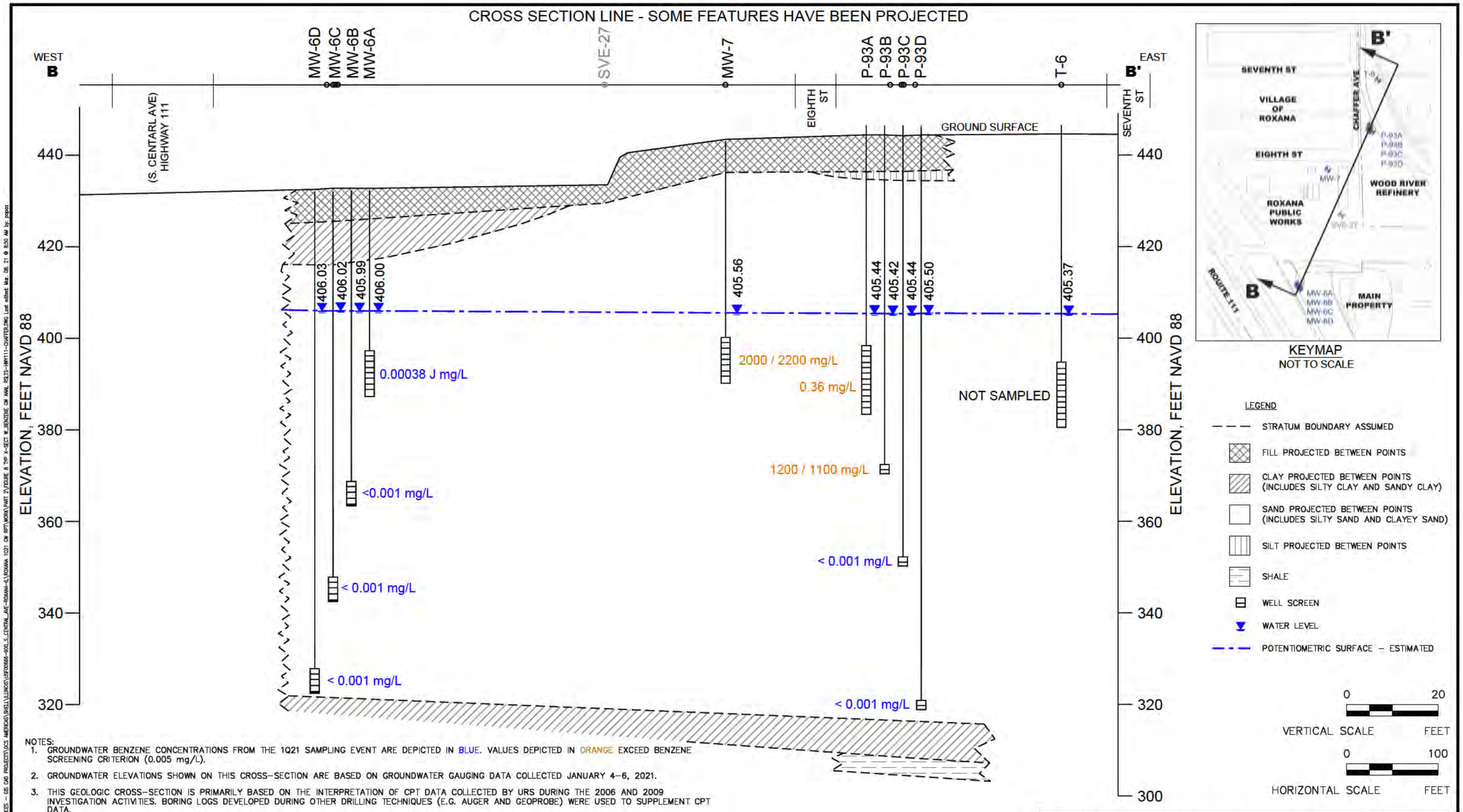
DRN. BY:gds April 2021
DSGN. BY:mr
CHKD. BY:wmp

1Q21 Dissolved Phase Benzene Concentrations in Groundwater

FIG. NO. 6


NORTH
A
MW-10
SECOND ST.
P-55R
A
B
THIRD ST.
4
E
F
ROST-4-PZ
MW-17
FOURTH ST.
MW-18
P-59
FIFTH ST.
MW-20
P-56
SIXTH ST.
MW-2
SEVENTH ST.
P-57
P-93
EIGHTH ST.
MW-7
SOUTH
A'
T-12
MW-19
GROUND SURFACE
MW-21
A B C D
ELEVATION, (FEET NAVD 88)
440
430
420
410
400
390
380
370
350
320
406.68
407.61
407.39
406.96
406.68
406.43
406.36
405.54
405.69
405.44
405.46
405.41
405.42
405.26
405.42
405.41
405.45
405.44
405.42
405.44
405.50
405.56
<0.001 mg/L
NOT SAMPLED
NOT SAMPLED
NOT SAMPLED
NOT SAMPLED
NOT SAMPLED
NOT SAMPLED
NOT SAMPLED
NOT SAMPLED
NOT SAMPLED
1.6 / 1.6 mg/L
0.00042 J mg/L
0.0028 mg/L
0.11 J / 0.27 J mg/L
0.36 mg/L
2000 / 2200 mg/L
1200 / 1100 mg/L
<0.001 mg/L
<0.001 mg/L
LEGEND
STRATUM BOUNDARY ASSUMED
FILL PROJECTED BETWEEN POINTS (INCLUDES CINDERS, GRAVEL, CLAY, AND/OR SILTY CLAY)
CLAY PROJECTED BETWEEN POINTS (INCLUDES SILTY CLAY AND SANDY CLAY)
SILT PROJECTED BETWEEN POINTS (INCLUDES SANDY SILT AND CLAYEY SILT)
SAND PROJECTED BETWEEN POINTS (INCLUDES SILTY SAND AND CLAYEY SAND)
WELL SCREEN
WATER LEVEL
POTENTIOMETRIC SURFACE – ESTIMATED
1. GROUNDWATER BENZENE CONCENTRATIONS FROM THE 1Q21 SAMPLING EVENT ARE DEPICTED IN BLUE. VALUES DEPICTED IN ORANGE EXCEED BENZENE SCREENING CRITERION (0.005 mg/L).
2. GROUNDWATER ELEVATIONS SHOWN ON THIS CROSS-SECTION ARE BASED ON GROUNDWATER GAUGING DATA COLLECTED JANUARY 4–6, 2021.
3. THIS GEOLOGIC CROSS-SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF CPT DATA AND BORING LOGS DEVELOPED DURING OTHER DRILLING TECHNIQUES (E.G. AUGER AND GEOPROBE) COLLECTED BY AECOM SINCE 2006. LITHOLOGY WAS PROJECTED BETWEEN SUBSURFACE INVESTIGATION POINTS.
4. MONITORING WELLS SHOWN ON THE KEY MAP ARE PROJECTED ONTO THIS CROSS-SECTION TO DISPLAY CONCENTRATION DATA.
5. ANALYTICAL REPORTING LIMITS ARE SHOWN FOR SAMPLES WITH NON-DETECT RESULTS (e.g. <0.001 mg/L).
6. MULTIPLE RESULTS (2000/2200) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.
7. J = THE RESULT IS ESTIMATED.
FIRST ST
SECOND ST
THIRD ST
FOURTH ST
VILLAGE OF ROXANA
FIFTH ST
SIXTH ST
SEVENTH ST
EIGHTH ST
NORTH PROPERTY
WOOD RIVER REFINERY
CHAFFEE AVE
IL CENTRAL & WEG RAILROAD
RAND AVENUE
MW-10
P-55R
ROST-4-PZ-(A)
ROST-4-PZ-(B)
ROST-4-PZ-
ROST-4-PZ-(E)
ROST-4-PZ-(F)
MW-17
T-12
MW-18
MW-19
P-59
MW-20
P-56
MW-2
MW-21
P-57
P-93A
P-93B
P-93C
P-93D
MW-7
KEYMAP
NOT TO SCALE
0
10
VERTICAL SCALE
FEET
0
100
APPROXIMATE HORIZONTAL SCALE
FEET
EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US
INTERIM GROUNDWATER MONITORING PROGRAM
ROXANA, ILLINOIS
PROJECT NO.
60648474
AECOM
DRN. BY: gds April 2021
DSGN. BY: mr
CHKD. BY: wmp
1Q21 Cross-Section of Benzene Groundwater Analytical Results– Chaffee Avenue
FIG. NO.
7

CROSS SECTION LINE - SOME FEATURES HAVE BEEN PROJECTED



KEYMAP
NOT TO SCALE

LEGEND

- STRATUM BOUNDARY ASSUMED
- FILL PROJECTED BETWEEN POINTS
- CLAY PROJECTED BETWEEN POINTS (INCLUDES SILTY CLAY AND SANDY CLAY)
- SAND PROJECTED BETWEEN POINTS (INCLUDES SILTY SAND AND CLAYEY SAND)
- SILT PROJECTED BETWEEN POINTS
- SHALE
- WELL SCREEN
- WATER LEVEL
- POTENTIOMETRIC SURFACE – ESTIMATED

VERTICAL SCALE 0 20 FEET

HORIZONTAL SCALE 0 100 FEET

NOTES:

1. GROUNDWATER BENZENE CONCENTRATIONS FROM THE 1Q21 SAMPLING EVENT ARE DEPICTED IN BLUE. VALUES DEPICTED IN ORANGE EXCEED BENZENE SCREENING CRITERION (0.005 mg/L).
2. GROUNDWATER ELEVATIONS SHOWN ON THIS CROSS-SECTION ARE BASED ON GROUNDWATER GAUGING DATA COLLECTED JANUARY 4-6, 2021.
3. THIS GEOLOGIC CROSS-SECTION IS PRIMARILY BASED ON THE INTERPRETATION OF CPT DATA COLLECTED BY URS DURING THE 2006 AND 2009 INVESTIGATION ACTIVITIES. BORING LOGS DEVELOPED DURING OTHER DRILLING TECHNIQUES (E.G. AUGER AND GEOPROBE) WERE USED TO SUPPLEMENT CPT DATA.
4. THE DEPTH AND THICKNESS OF INDIVIDUAL STRATA DEPICTED MAY BE BASED ON CPT LOGS GENERATED AT NEARBY LOCATIONS. THEREFORE, WELL SCREENS MAY APPEAR TO BE PARTIALLY WITHIN CLAY LAYERS OR SHALLOWER/DEEPER WITHIN A PERMEABLE STRATUM THAN ACTUAL CONDITIONS DUE TO MAP PROJECTIONS.
5. LITHOLOGICAL INFORMATION FROM SVE-27 WAS OBTAINED FROM BORING LOG TO SUPPLEMENT SITE GEOLOGY ONLY.
6. HISTORIC BORING LOG IS NOT AVAILABLE FOR T-6.
7. ANALYTICAL REPORTING LIMITS ARE SHOWN FOR SAMPLES WITH NON-DETECT RESULTS (e.g. <0.001 mg/L).
8. MULTIPLE RESULTS (2000/2200) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS	PROJECT NO. 60648474
AECOM	
DRN. BY:gds April 2021 DSGN. BY:mr CHKD. BY:wmp	1Q21 Cross-Section of Benzene Groundwater Analytical Results-Roxana Public Works Yard
	FIG. NO. 8

File: C:\USERS\PPAVLOV\DESKTOP\GDS GIS SERVICES - GIS CAD PROJECTS\GIS_AMERICAS\SHELL\ILLINOIS\60648666_AOC_5_CENTRAL_AVE_ROXANA_IL\ROXANA 1Q21 GW RPT\WORK\PART 2\FIGURE 8 TYP X-SECT W_BENZENE GW ANAL RSLTS-MW111-CHAFFER.DWG Last edited: Mar 08, 21 @ 8:50 AM by ppps

Appendix A

Regulatory History

Appendix A
Regulatory History

The Interim Groundwater Monitoring Program (Program) began in the 4th Quarter 2010 (4Q10), and the first report was submitted on January 14, 2011. On March 3, 2011, a conference call was held among representatives of Equilon Enterprises LLC d/b/a Shell Oil Products US (SOPUS), Illinois Environmental Protection Agency (IEPA), and URS Corporation (URS) to discuss the Program and IEPA's general comments on the 4Q10 report. Subsequent report modifications were incorporated during 1st Quarter 2011 (1Q11) and 2nd Quarter 2011 (2Q11). Additional items and comments regarding the Program were presented by IEPA on June 16, 2011 (IEPA, 2011a) and August 31, 2011 (IEPA, 2011b) letters. These items and comments were addressed in the 3rd Quarter 2011 (3Q11) and 4th Quarter 2011 (4Q11) reports.

In a March 14, 2012 letter (CA-24) from IEPA to SOPUS (IEPA, 2012a), IEPA requested groundwater piezometer ROST-3-PZ and groundwater monitoring well ROST-4-PZ(C) be added to the Program. These monitoring locations were added to the Program in 2nd Quarter 2012 (2Q12).

In a second letter (CA-25) dated March 14, 2012 from IEPA to SOPUS (IEPA, 2012b), IEPA requested that perched groundwater be evaluated at groundwater monitoring piezometers P-60-12S, P-60-13S, ROST-5-PZ, ROST-7-PZ, ROST-10-PZ, and ROST-21-PZ. These perched groundwater monitoring piezometers were incorporated into the Program beginning in 2Q12. In a letter dated August 16, 2013 (URS, 2013a), URS, on behalf of SOPUS, informed the IEPA of the determination that the perched groundwater monitoring piezometers are either dry, based on the criteria given in IEPA's March 14, 2012 letter, or not able to be sampled per the groundwater sampling standard operating procedure (SOP) due to slow recharge. The IEPA, during phone conversations, requested that certain piezometers remain in the Program. In response to this request, a letter dated January 14, 2014 was submitted to IEPA (URS, 2014a), stating that these piezometers will remain in the Program. A separate letter dated January 14, 2014 was submitted to the IEPA (URS, 2014b), requesting removal of ROST-5-PZ and ROST-10-PZ based on Condition 8(a) of the March 14, 2012 IEPA letter (CA-25), which states that ROST-5-PZ and ROST-10-PZ must remain within the Program for one year before the determination is made that these wells are dry. IEPA responded to the August 16, 2013 and both January 14, 2014 letters in a correspondence dated July 27, 2016 (IEPA, 2016a). In the July 27, 2016 letter, IEPA approved the request to abandon perched wells P-60-12S, P-60-13S, ROST-5-PZ, ROST-7-PZ, ROST-10-PZ, and ROST-21-PZ and remove them from the Program. Abandonment activities were conducted on September 15, 2016.

In the March 14, 2012 letter (CA-25), IEPA also requested the installation of groundwater monitoring wells in the Village of Roxana (Village) to evaluate potential light non-aqueous phase liquid (LNAPL). These groundwater monitoring wells (MW-16 through MW-22 and MW-24) were installed during 4th Quarter 2012 (4Q12) and incorporated into the Program beginning in 1st Quarter 2013 (1Q13).

On May 31, 2012, IEPA verbally requested the following be incorporated into the 2Q12 report:

- The ROST-4 series of groundwater monitoring wells and piezometers in the groundwater elevation contour maps;
- A groundwater contour map focusing on the West Fenceline area in the Village; and
- A Roxana site and WRR LNAPL map.

In an April 8, 2013 letter from IEPA to SOPUS (IEPA, 2013a), IEPA requested a discussion of irregular potentiometric contours in the ROST-4-PZ area and P-60 area wells. This response was submitted to the IEPA in a letter dated July 29, 2013 (URS, 2013b). In a letter dated July 27, 2016 (IEPA, 2016b), IEPA approved the July 29, 2013 letter with the following conditions and modifications:

- Address the potentiometric high in the northern portion of the Study Area, by submitting a proposal within 120 days, which at a minimum will include:
    - A proposal to install nested wells that will track the area of the low-permeability zone.
    - The nested wells must be adequate to verify groundwater quality, flow direction, and hydraulic gradient, and these wells should show that pumping overcomes potential radial flow.
- A text section must be added to the Program quarterly reports to provide a detailed discussion of the potentiometric surface in this area.

AECOM responded to the July 27, 2016 letter in a letter dated October 14, 2016 (AECOM, 2016c). A response to this letter is pending as of the date of this report.

In a July 18, 2013 letter from IEPA to SOPUS (IEPA, 2013b), IEPA approved a change in gauging frequencies for wells in the Program. The list of wells to be gauged on a weekly basis was reduced and a new list of wells to be gauged on a monthly basis was initiated. This letter also requested that any free-phase hydrocarbon (FPH) and photoionization detector (PID) data collected at the well heads be included in the quarterly groundwater monitoring reports. The modified gauging frequencies for wells began the week of July 22, 2013. The list of wells gauged during each routine event is reviewed on a regular basis and modified to meet the conditions requested by the IEPA. The additional reporting requirements were first incorporated in the 3rd Quarter 2013 (3Q13) report.

In a June 13, 2014 letter from IEPA to SOPUS (IEPA, 2014a), IEPA requested the installation of four groundwater monitoring wells in the Village to monitor the extent and effectiveness of corrective action efforts within the residential area. The access agreement with the Village was signed on August 12, 2014, and well installation began in September 2014 and was completed in October 2014. These groundwater monitoring wells (MW-25 through MW-28) were added to the Program in 4th Quarter 2014 (4Q14).

In an October 9, 2014 letter from IEPA to SOPUS (IEPA, 2014b), IEPA approved the installation plan for a groundwater monitoring well located on BP property with certain conditions and modifications. Well MW-23 was installed during January 2015 and was added to the Program in 1st Quarter 2015 (1Q15).

In a letter dated November 25, 2014 (IEPA, 2014c), IEPA approved the proposed plan for groundwater corrective action (submitted to IEPA on November 14, 2013 (URS, 2013c)), with the following conditions:

- The 1Q15 groundwater samples obtained from: (1) the current monitoring well network; (2) the four new wells required by the modified Resource Conservation and Recovery Act (RCRA) Hazardous Waste Management Post-Closure Permit (Permit) at the WRR, issued September 23, 2010 (modified December 20, 2019) (IEPA, 2010b); and (3) the new well required by the October 9, 2014, letter must be used in a demonstration to verify the extent of groundwater contamination has been delineated; or

- If SOPUS cannot define the extent of contamination, a proposal for additional investigation must be submitted.

On April 16, 2015, AECOM, on behalf of SOPUS, submitted a demonstration to verify the extent of groundwater contamination has been delineated (AECOM, 2015). The demonstration is based on monitoring data from wells in the Roxana Program. Additional information was submitted to IEPA in a letter dated January 29, 2016 (AECOM, 2016a). In a letter dated February 23, 2016 (IEPA, 2016c), IEPA agreed with this determination and required a Groundwater Management Zone (GMZ) proposal be submitted within 90 days. The GMZ proposal was submitted by AECOM, on behalf of SOPUS, on May 19, 2016 (AECOM, 2016b). IEPA provided comments via email in October 2017; AECOM responded to IEPA comments on January 2, 2018 (AECOM, 2018a). Meetings with SOPUS, AECOM and IEPA representatives were held on April 5, 2018 and July 19, 2018 in order to provide additional information regarding the proposed GMZ. On September 26, 2018, AECOM, on behalf of SOPUS, submitted *Groundwater Management Zone – Additional Information* to present information requested via email dated September 5, 2018 (AECOM, 2018b).

On December 5, 2014, a letter was submitted to IEPA by URS (URS, 2014c), on behalf of SOPUS, requesting a reduction in the routine gauging performed as part of the Program. In a letter dated August 2, 2017 (IEPA, 2017), IEPA

approved the December 5, 2014 request to reduce the frequency of routine gauging from weekly/monthly to quarterly with the following condition:

- Groundwater monitoring wells ROST-4-PZ(E) and ROST-4-PZ(G) must be added to the list of wells sampled quarterly for groundwater quality. These monitoring wells were added to the sampling portion of the Program in 4th Quarter 2017.

In a letter dated May 22, 2015, IEPA provided approval for the April 3, 2013, Groundwater Monitoring Well and Vapor Monitoring Point Installation Report (IEPA, 2015).

In a meeting on April 5, 2018, IEPA verbally requested that benzene concentration trend plots for selected monitoring wells be incorporated into Roxana Program quarterly reports. This information is discussed in **Section 3** of the Program quarterly report. These trend plots were first included with the 2nd Quarter 2018 (2Q18) monitoring report.

On October 25, 2019, IEPA approved the Roxana Groundwater Ordinance for use as an institutional control in accordance with Title 35 of the Illinois Administrative Code Part 742 (35 IAC 742) to restrict access to groundwater (IEPA, 2019).

SOPUS's current Resource Conservation and Recovery Act (RCRA) Permit at the WRR was issued by IEPA on September 23, 2010 and expired October 28, 2020 (IEPA, 2010b). A Permit renewal application was submitted to IEPA on April 29, 2020 in accordance with Condition VI(B)(6) of the Permit and a letter from IEPA dated November 6, 2019. A timely filing of the renewal application was made and, therefore the conditions of the Permit are stayed. On June 30, 2020, IEPA issued a Notice of Incompleteness letter after conducting a completeness review of the Permit renewal application (IEPA, 2020a); AECOM submitted the Permit Application Completeness Response to IEPA on September 4, 2020 (AECOM, 2020a). IEPA issued a letter on October 30, 2020 indicating they have determined the application to be complete (IEPA, 2020b).

On October 1, 2020, the IEPA issued a letter (IEPA, 2020d) in response to the following submittals by AECOM, on behalf of SOPUS: *TACO Tier 3 Demonstration Report*, dated April 27, 2017 (AECOM, 2017a); and *TACO Tier 3 Demonstration – Response to Agency comments provided between June 30 and October 6, 2017*, dated November 22, 2017 (AECOM, 2017b). Based on a review of the submittals, the IEPA did not approve or deny the submittals but provided several conditions and modifications requests. AECOM and SOPUS are currently responding to these requests.

On October 12, 2020, AECOM, on behalf of SOPUS, requested a Class 1* Permit Modification (AECOM, 2020b) in response to an IEPA issued letter dated December 20, 2019. The December 20, 2019 letter issued approval and comments related to several Hazardous Waste Management Post-Closure Permit (Permit) Modifications requests and included a modified Permit. The letter included a condition requesting the installation of a new B-level groundwater monitoring well to be added to the Roxana Interim Groundwater Monitoring Program to intercept potential groundwater contamination observed at P-93B. The October 12th AECOM response indicated the B-level impact observed in P-93B has been delineated to the west and, therefore the installation of a new groundwater monitoring well does not appear to be necessary at this time and as such is not proposed.

Appendix B

Low Flow Groundwater Sampling Data Sheets

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: MD'Angelo JMayer

DATE: 1-12-21 WEATHER: Clear 45°

MONITORING WELL ID: MW-1 SAMPLE ID: MW1-ROX-011221

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 53.80 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 59.13 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 37.37 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 48.80 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 21.76 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
			STABLE: (over 4 readings)		Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1210	37.38	clear	none	16.4	0.32	1.016 mS/cm uS/cm	7.12	72.9	37.22
300	1211	37.38	↓	↓	16.3	0.30	1.012 mS/cm uS/cm	7.09	72.9	34.76
600	1212	37.38	↓	↓	16.4	0.29	1.009 mS/cm uS/cm	7.07	72.9	35.25
900	1213	↓	↓	↓	16.5	0.28	1.007 mS/cm uS/cm	7.06	72.8	34.94
1200	1214	↓	↓	↓	16.7	0.28	1.006 mS/cm uS/cm	7.06	72.7	34.34
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

MD'Angelo 1-12-21

Start Time: 1210 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 15980/15610

Stop Time: 1214 Average Purge Rate (mL/min): 300 Date Calibrated: 1-12-21

SAMPLING DATA

Sample Date: 1-12-21 Sample Time: 1220 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: MD JM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: MDAngelo JMayer

DATE: 1-14-21 WEATHER: Overcast 40°

MONITORING WELL ID: MW-2 SAMPLE ID: MW2-ROX-011421

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 54.87 ft btoc
Total Well Depth (btoc): 60.20 ft	
Depth to Water (btoc): 38.43 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	
Depth to Top of Screen (btoc): 49.87 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 21.77 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc

Volume of Flow Through Cell : 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 128.6 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) STABLE: (over 4 readings) Monitor Temp.	DO (mg/L) +/-0.2 mg/L or +/-10%	Spec. Cond. +/-5% or +/-2 uS/cm	pH +/-0.2 mg/L	ORP (mV) +/-20 mV	Turb (NTU) Monitor Turb Readings (<50)
0	0916	38.43	Clear	STRONG HC	16.6	0.24	1.284 mS/cm uS/cm	6.77	87.4	7.18
300	0917	38.43			16.7	0.18	1.281 mS/cm uS/cm	6.82	64.7	6.84
600	0918	38.43			16.9	0.15	1.279 mS/cm uS/cm	6.85	47.7	6.70
900	0919				17.0	0.13	1.275 mS/cm uS/cm	6.88	32.5	6.80
1200	0920				17.1	0.11	1.273 mS/cm uS/cm	6.91	17.0	6.77
1500	0921				17.3	0.08	1.270 mS/cm uS/cm	6.93	2.0	6.85
1800	0922				17.3	0.07	1.267 mS/cm uS/cm	6.95	-11.7	7.04
2100	0923				17.4	0.05	1.263 mS/cm uS/cm	6.97	-23.8	7.45
2400	0924				17.4	0.05	1.263 mS/cm uS/cm	6.98	-32.3	8.02
2700	0925				17.4	0.04	1.259 mS/cm uS/cm	6.99	-39.7	8.65
3000	0926				17.4	0.03	1.255 mS/cm uS/cm	7.00	-47.0	9.12
3300	0927				17.4	0.02	1.256 mS/cm uS/cm	7.01	-52.7	9.85
3600	0928				17.3	0.01	1.255 mS/cm uS/cm	7.02	-58.3	9.90
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

MDAngelo 1/14/21

Start Time: 0916 Elapsed Time (min): 12 Water Quality Meter ID & SN: YSI ProDSS - 45980/45610

Stop Time: 0928 Average Purge Rate (mL/min): 300 Date Calibrated: 1-14-21

SAMPLING DATA

Sample Date: 1-14-21 Sample Time: 0930 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: MD JM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 3600 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: MD'Angelo JMayer

DATE: 1-8-21 WEATHER: cloudy 35°

MONITORING WELL ID: MW-3 SAMPLE ID: MW3-ROX-010821

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 39.67 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 45.00 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 24.71 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 34.67 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 20.29 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	0920	24.72	clear	slight HC	16.7	0.18	1.709 mS/cm uS/cm	6.41	191.2	8.34
300	0921	24.72			16.8	0.13	1.710 mS/cm uS/cm	6.43	183.2	7.43
600	0922	24.72			16.9	0.10	1.712 mS/cm uS/cm	6.45	175.5	7.39
900	0923				17.2	0.08	1.722 mS/cm uS/cm	6.46	165.6	7.29
1200	0924				17.1	0.06	1.729 mS/cm uS/cm	6.48	154.5	7.48
1500	0925				17.1	0.04	1.733 mS/cm uS/cm	6.49	139.4	7.9
1800	0926				17.0	0.03	1.734 mS/cm uS/cm	6.51	118.5	8.54
2100	0927				16.9	0.03	1.734 mS/cm uS/cm	6.52	92.8	8.64
3000	0930				16.9	0.0	1.740 mS/cm uS/cm	6.55	-5.3	8.60
4500	0935				16.3	0.0	1.738 mS/cm uS/cm	6.58	-47.0	8.64
4800	0936				16.5	0.0	1.738 mS/cm uS/cm	6.58	-49.9	8.92
5100	0937				16.8	0.0	1.744 mS/cm uS/cm	6.58	-55.5	9.54
5400	0938				16.9	0.0	1.746 mS/cm uS/cm	6.59	-60.2	9.71
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

JMD 1/8/21

Start Time: 0920 Elapsed Time (min): 18 Water Quality Meter ID & SN: YSI ProDSS - 45980+45610

Stop Time: 0938 Average Purge Rate (mL/min): 300 Date Calibrated: 1-8-21

SAMPLING DATA

Sample Date: 1-8-21 Sample Time: 0940 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: MS/MSD

VOA Vials, No Headspace [X] Initials: MD JM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 5400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Oliver ; B. Howell

DATE: 1/18/21 WEATHER: Clear 35°

MONITORING WELL ID: MW-4 SAMPLE ID: MW-4-Rox-011821

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 50.06 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 55.39 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 35.93 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 45.06 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 19.46 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	0937	35.95	Cloud	Slight	15.0	1.29	1.043 mS/cm uS/cm	6.74	268.4	21.50
300	0936				14.6	1.14	1.033 mS/cm uS/cm	6.75	262.5	24.73
600	0939				14.1	1.05	1.028 mS/cm uS/cm	6.76	256.7	26.66
900	0940				14.0	1.00	1.020 mS/cm uS/cm	6.75	255.1	29.94
1,200	0941				14.2	0.94	1.014 mS/cm uS/cm	6.76	251.7	25.43
1,500	0942				14.0	0.93	1.014 mS/cm uS/cm	6.76	248.9	26.03
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

AO

Start Time: 0937 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS -- 4585I / 43870

Stop Time: 0942 Average Purge Rate (mL/min): 300 Date Calibrated: 1/18/21

SAMPLING DATA

Sample Date: 1/18/21 Sample Time: 0950 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: EB @ 0830

VOA Vials, No Headspace ☑ Initials: AO BH

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 1,500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: ND'Angelo JMayer

DATE: 1-11-21 WEATHER: Overcast 28°

MONITORING WELL ID: MW-5 SAMPLE ID: MW5-ROX-011121

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 38.97 ft btoc
Total Well Depth (btoc): 44.30 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to Water (btoc): 24.48 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to Top of Screen (btoc): 33.97 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 19.82 ft	

Volume of Flow Through Cell : 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	0855	24.49	Clear	Slight HC	14.7	0.50	1.146 mS/cm uS/cm	6.32	233.3	15.20
300	0856	24.49			14.9	0.45	1.144 mS/cm uS/cm	6.36	226.6	13.67
600	0857	24.49			15.3	0.35	1.142 mS/cm uS/cm	6.39	218.9	13.24
900	0858				15.4	0.24	1.136 mS/cm uS/cm	6.45	208.0	12.96
1200	0859				15.6	0.20	1.133 mS/cm uS/cm	6.48	199.4	11.00
1500	0900				16.3	0.15	1.139 mS/cm uS/cm	6.51	188.9	10.68
1800	0901				16.2	0.10	1.140 mS/cm uS/cm	6.54	178.4	9.59
2100	0902				16.2	0.08	1.142 mS/cm uS/cm	6.56	169.9	8.45
2400	0903				15.9	0.07	1.141 mS/cm uS/cm	6.58	159.7	7.50
2700	0904				15.8	0.05	1.141 mS/cm uS/cm	6.59	148.0	6.80
3000	0905				15.9	0.03	1.142 mS/cm uS/cm	6.60	134.3	6.27
3300	0906				16.1	0.02	1.144 mS/cm uS/cm	6.61	101.1	5.51
3600	0907				16.4	0.02	1.148 mS/cm uS/cm	6.62	83.3	5.57
3900	0908				16.0	0.01	1.146 mS/cm uS/cm	6.64	68.9	5.34
4200	0909				16.1	0.0	1.147 mS/cm uS/cm	6.65	43.9	5.06
4500	0910				16.3	0.0	1.151 mS/cm uS/cm	6.66	25.1	4.99

Start Time: 0855 Elapsed Time (min): 23 Water Quality Meter ID & SN: YSI ProDSS - 15980 / 15610

Stop Time: 0918 Average Purge Rate (mL/min): 300 Date Calibrated: 1-11-21

SAMPLING DATA

Sample Date: 1-11-21 Sample Time: 0920 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace [X] Initials: ND JM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 6900 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: ROXANA 1021 GW PROJECT NUMBER: 60648474 FIELD PERSONNEL: MD'Angelo J Mayer

DATE: 1-11-21 MONITORING WELL ID: MW5 SAMPLE ID: MW5-ROX-011121

				STABLE: (over 4 readings)	Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
6000	0915	24.49	Clear	slight HC	16.4	0.0	1,157 ~~mS/cm~~ uS/cm	6.70	-28.6	4.76 3.44
6300	0916	↓	↓	↓	16.4	0.0	1,158 ~~mS/cm~~ uS/cm	6.70	-32.8	4.85
6600	0917				16.4	0.0	1,160 ~~mS/cm~~ uS/cm	6.71	-36.0	4.73
6900	0918				16.4	0.0	1,161 ~~mS/cm~~ uS/cm	6.71	-38.8	4.80
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm		

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: B. Howell A. Oliver

DATE: 1/7/2021 WEATHER: Cloudy 35°F

MONITORING WELL ID: MW-6A SAMPLE ID: MW6A-ROX-010721

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 38.85 ft btoc
Total Well Depth (btoc): 44.18 ft	
Depth to Water (btoc): 26.50 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	
Depth to Top of Screen (btoc): 33.85 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 17.68 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc

Volume of Flow Through Cell: 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color (STABLE: over 4 readings)	Odor (STABLE: over 4 readings)	Temp (°C) (Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1007	26.50	Slight ↔ Clear	Cloudy	16.8	1.00	1.098 mS/cm uS/cm	6.81	192.0	478.1
10200	1041				18.2	0.67	1.107 mS/cm uS/cm	6.75	-44.6	70.4
10500	1042				18.4	0.61	1.102 mS/cm uS/cm	6.75	-46.5	62.2
10800	1043				18.4	0.61	1.102 mS/cm uS/cm	6.75	-48.1	61.7
11100	1044				18.2	0.60	1.107 mS/cm uS/cm	6.75	-49.0	60.4
11400	1045				18.2	0.60	1.098 mS/cm uS/cm	6.75	-48.8	57.1
11700	1046				18.2	0.59	1.100 mS/cm uS/cm	6.75	-49.4	54.4
12000	1047				18.2	0.59	1.100 mS/cm uS/cm	6.75	-51.0	49.8
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

Start Time: 1007 Elapsed Time (min): 40 Water Quality Meter ID & SN: YSI ProDSS - 43851/43870

Stop Time: 1047 Average Purge Rate (mL/min): 300 Date Calibrated: 1/7/2021

SAMPLING DATA

Sample Date: 1/7/2021 Sample Time: 1055 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: EB

VOA Vials, No Headspace ☒ Initials: BH AO

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL Allowed time for turbidity to stabilize.

Estimated Total Purge Volume: 12000 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: B. Howell A. Oliver

DATE: 1/7/2021 WEATHER: Cloudy 35°F

MONITORING WELL ID: MW-6B SAMPLE ID: MW6B-ROX-010721

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 60.55 ft btoc
Total Well Depth (btoc): 69.38 ft	
Depth to Water (btoc): 26.50 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to LNAPL/DNAPL (btoc): NF ft	
Depth to Top of Screen (btoc): 64.05 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc
Screen Length: 5 ft	
Water Column Height (not including NAPL): 42.88 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc

Volume of Flow Through Cell: 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1147	26.50	Cloudy	Slight	17.9	0.96	0.714 mS/cm uS/cm	7.72	-52.3	38.3
300	1148	↓	↓	↓	17.9	0.83	0.714 mS/cm uS/cm	7.707	-73.8	33.3
600	1149				18.1	0.74	0.716 mS/cm uS/cm	7.62	-83.3	27.7
900	1150				18.2	0.70	0.718 mS/cm uS/cm	7.60	-89.4	21.2
1200	1151				18.3	0.66	0.718 mS/cm uS/cm	7.55	-93.5	19.2
1500	1152				18.3	0.63	0.718 mS/cm uS/cm	7.54	-97.9	15.9
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

Start Time: 1147 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS - 43851/43870

Stop Time: 1152 Average Purge Rate (mL/min): 300 Date Calibrated: 1/7/2021

SAMPLING DATA

Sample Date: 1/7/2021 Sample Time: 1200 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: None

VOA Vials, No Headspace ☒ Initials: BH AO

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 1500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: B. Howell A. Oliver

DATE: 1/7/2021 WEATHER: Cloudy 35° F

MONITORING WELL ID: MW-6C SAMPLE ID: MW6C - ROX - 010721

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 87.45 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 90.28 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 20.29 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 84.95 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 5 ft		
Water Column Height (not including NAPL): 63.99 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
	STABLE: (over 4 readings)				Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1233	20.30	Clear	Slight	16.5	1.10	0.6006 mS/cm uS/cm	7.83	-80.9	20.9
300	1234	↓	↓	↓	16.5	0.96	0.6004 mS/cm uS/cm	7.79	-89.9	19.6
600	1235				16.6	0.87	0.6002 mS/cm uS/cm	7.75	-95.3	18.6
900	1236				16.9	0.80	0.6002 mS/cm uS/cm	7.73	-99.9	17.5
1200	1237				17.2	0.75	0.6007 mS/cm uS/cm	7.70	-103.0	17.2
1500	1238				17.1	0.70	0.6007 mS/cm uS/cm	7.68	-107.4	15.0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			

Start Time: 1233 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS - 438511/43870

Stop Time: 1238 Average Purge Rate (mL/min): 300 Date Calibrated: 1/7/2021

SAMPLING DATA

Sample Date: 1/7/2021 Sample Time: 1245 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: None

VOA Vials, No Headspace ☒ Initials: BH AO

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 1500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: B. Howell A. Oliver

DATE: 1/7/2021 WEATHER: Cloudy 35°F

MONITORING WELL ID: MW-6D SAMPLE ID: MW6D-ROX-010721

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 107.22 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 110.05 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 26.13 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 104.72 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.1 ppm
Screen Length: 5 ft		
Water Column Height (not including NAPL): 83.92 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.		pH	ORP (mV)	Turb (NTU)
0	1313	26.14	Cloudy	Slight	16.4	2.06	0.818	mS/cm uS/cm	7.86	-23.0	196.1
4500	1328	↓	↓	↓	BHL 17.6	0.55	0.947	mS/cm uS/cm	7.51	-115.0	62.9
4800	1329				17.7	0.54	0.948	mS/cm uS/cm	7.50	-116.4	52.1
5100	1330				17.7	0.53	0.950	mS/cm uS/cm	7.49	-117.8	51.9
5400	1331				17.8	0.52	0.952	mS/cm uS/cm	7.48	-118.7	49.7
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
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								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			

Start Time: 1313 Elapsed Time (min): 28 Water Quality Meter ID & SN: YSI ProDSS - 43851/43870

Stop Time: 1331 Average Purge Rate (mL/min): 300 Date Calibrated: 1/7/2021

SAMPLING DATA

Sample Date: 1/7/2021 Sample Time: 1335 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: BH AO

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL Allowed turbidity to stabilize ~~after~~ 1st reading

Estimated Total Purge Volume: 5400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Oliver ; B. Howell

DATE: 1/18/21 WEATHER: Clear 35°

MONITORING WELL ID: MW-7 SAMPLE ID: MW7-ROX-011821

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 47.92 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 52.92 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 37.96 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 42.92 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 2,934.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 14.95 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.		pH	ORP (mV)	Turb (NTU)
0	1235	37.96	Clear	Strong	15.2	1.69	1.231	mS/cm uS/cm	7.09	49.3	86.84
300	1236				15.7	1.12	1.242	mS/cm uS/cm	7.02	49.9	49.12
600	1237				15.9	0.92	1.246	mS/cm uS/cm	6.98	45.7	53.06
2,700	1244				15.3	0.73	1.256	mS/cm uS/cm	6.91	43.2	53.97
3,000	1245				15.2	0.74	1.257	mS/cm uS/cm	6.90	41.9	51.22
3,300	1246				15.2	0.75	1.256	mS/cm uS/cm	6.98	36.9	49.26
3,600	1247				15.0	0.74	1.258	mS/cm uS/cm	6.89	33.4	49.89
AO 3,900								mS/cm uS/cm			
						AO		mS/cm uS/cm			

Start Time: 1235 Elapsed Time (min): 12 Water Quality Meter ID & SN: YSI ProDSS - 438514387O

Stop Time: 1247 Average Purge Rate (mL/min): 300 Date Calibrated: 1/18/21

SAMPLING DATA

Sample Date: 1/18/21 Sample Time: 1255 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: Dup

VOA Vials, No Headspace ☒ Initials: AO BH

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 3,600 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A.Olver : B.Howell

DATE: 01/18/21 WEATHER: Clear 35°

MONITORING WELL ID: MW-8 SAMPLE ID: ~~MW8-Roxana~~ AO 1/18/21 MW8-ROX-011821

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 38.60 ft btoc
Total Well Depth (btoc): 43.60 ft	
Depth to Water (btoc): 28.95 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	
Depth to Top of Screen (btoc): 33.60 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 14.65 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc

Volume of Flow Through Cell: 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1121	28.97	Clear	Strong	13.9	1.51	1.044 mS/cm uS/cm	7.17	115.5	4.66
300	1122				14.2	1.20	1.089 mS/cm uS/cm	7.11	107.6	4.90
600	1123				14.6	1.01	1.103 mS/cm uS/cm	7.05	98.8	5.15
900	1124				15.0	0.89	1.116 mS/cm uS/cm	7.02	91.5	5.77
1,200	1125				15.3	0.82	1.110 mS/cm uS/cm	6.99	88.7	5.65
1,500	1126				15.5	0.77	1.107 mS/cm uS/cm	6.96	88.6	5.10
1,800	1127				15.6	0.69	1.089 mS/cm uS/cm	6.96	67.4	4.50
2,100	1128				15.4	0.67	1.083 mS/cm uS/cm	6.92	57.0	5.43
2,400	1129				15.6	0.64	1.080 mS/cm uS/cm	6.90	45.5	3.93
5,400	1134				15.9	0.56	1.069 mS/cm uS/cm	6.86	-5.4	2.90
5,700	1140				16.1	0.55	1.072 mS/cm uS/cm	6.88	-10.2	2.83
6,000	1141				16.4	0.54	1.071 mS/cm uS/cm	6.85	-15.5	3.44
6,300	1142				16.3	0.53	1.076 mS/cm uS/cm	6.85	-20.1	2.54
	~~1143~~ AO						mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

Start Time: 1121 Elapsed Time (min): 21 Water Quality Meter ID & SN: YSI ProDSS - 4385 / 43870

Stop Time: 1142 Average Purge Rate (mL/min): 300 Date Calibrated: 1/18/21

SAMPLING DATA

Sample Date: 1/18/21 Sample Time: 1150 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: None

VOA Vials, No Headspace [X] Initials: AO DH

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Total Depth 43.55

Estimated Total Purge Volume: 6,300 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: MD'Angelo JMayer

DATE: 1-12-21 WEATHER: clear 36°

MONITORING WELL ID: MW-9 SAMPLE ID: MW9-ROX-011221

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 51.04 ft btoc
Total Well Depth (btoc): 56.37 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to Water (btoc): 38.79 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to Top of Screen (btoc): 46.04 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 17.58 ft	

Volume of Flow Through Cell: 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.1 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings; Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1050	38.79	clear	slight HC	16.2	0.20	1.325 ~~mS/cm~~ uS/cm	6.83	71.7	19.99
300	1051	38.79	↓	↓	16.3	0.15	1.325 ~~mS/cm~~ uS/cm	6.82	66.6	20.00
600	1052	38.79	↓	↓	16.4	0.10	1.325 ~~mS/cm~~ uS/cm	6.81	61.1	19.75
900	1053	↓	↓	↓	16.4	0.06	1.321 ~~mS/cm~~ uS/cm	6.81	55.2	20.00
1200	1054	↓	↓	↓	16.5	0.04	1.317 ~~mS/cm~~ uS/cm	6.80	51.2	21.50
							mS/cm uS/cm			
							mS/cm ~~uS/cm~~			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

MD'Angelo 1/12/21

Start Time: 1050 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 45980/45610

Stop Time: 1054 Average Purge Rate (mL/min): 300 Date Calibrated: 1-12-21

SAMPLING DATA

Sample Date: 1-12-21 Sample Time: 1100 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace: ☒ Initials: MDJM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: MDAngelo JMayer

DATE: 1-12-21 WEATHER: clear 33°

MONITORING WELL ID: MW-10 SAMPLE ID: MW10-ROX-011221

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 49.43 ft btoc	Volume of Flow Through Cell : 320* mL	
Total Well Depth (btoc): 54.76 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 38.55 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 44.43 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 16.21 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color (STABLE: over 4 readings)	Odor (STABLE: over 4 readings)	Temp (°C) (Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	0929	38.56	cloudy	slight HC	16.1	0.21	2.214 mS/cm uS/cm	6.42	146.0	143.09
300	0930	38.56			16.1	0.17	2.210 mS/cm uS/cm	6.50	138.7	121.21
600	0931	38.56			16.2	0.14	2.208 mS/cm uS/cm	6.54	133.0	106.38
900	0932				16.2	0.11	2.206 mS/cm uS/cm	6.57	128.1	93.76
1200	0933				16.4	0.10	2.206 mS/cm uS/cm	6.59	123.1	83.21
2700	0938		clearer		16.4	0.06	2.195 mS/cm uS/cm	6.69	100.1	53.88
3000	0939		clear		16.6	0.04	2.193 mS/cm uS/cm	6.71	92.8	48.12
3300	0940				16.8	0.03	2.194 mS/cm uS/cm	6.73	85.1	43.82
3600	0941				16.8	0.02	2.194 mS/cm uS/cm	6.74	81.7	42.47
3900	0942				16.7	0.02	2.192 mS/cm uS/cm	6.74	78.6	40.20
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

MDAngelo 1/12/21

Start Time: 0929 Elapsed Time (min): 13 Water Quality Meter ID & SN: YSI ProDSS - 45980/45610

Stop Time: 0942 Average Purge Rate (mL/min): 300 Date Calibrated: 1-12-21

SAMPLING DATA

Sample Date: 1-12-21 Sample Time: 0945 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace [X] Initials: MD YM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 3900 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: MD'Angelo JMayer

DATE: 1-13-21 WEATHER: clear 36°

MONITORING WELL ID: MW-11 SAMPLE ID: MW11-ROX-011321

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 46.66 ft btoc
Total Well Depth (btoc): 51.99 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to Water (btoc): 36.45 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to Top of Screen (btoc): 41.66 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 15.54 ft	

Volume of Flow Through Cell : 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color (STABLE: over 4 readings)	Odor (STABLE: over 4 readings)	Temp (°C) (Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	0857	36.47	clear	slight HC	15.8	0.16	1,376 mS/cm uS/cm	6.44	213.1	35.02
300	0858	36.46	↓	↓	15.9	0.13	1,368 mS/cm uS/cm	6.48	208.6	30.99
600	0859	36.46			16.1	0.09	1,361 mS/cm uS/cm	6.52	203.9	25.99
900	0900	36.46			16.1	0.07	1,354 mS/cm uS/cm	6.55	201.0	24.75
1200	0901	↓	↓	↓	16.2	0.08	1,350 mS/cm uS/cm	6.58	197.0	29.90
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

MD'Angelo 1/13/21

Start Time: 0857 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 15980/15610

Stop Time: 0901 Average Purge Rate (mL/min): 300 Date Calibrated: 1-13-21

SAMPLING DATA

Sample Date: 1-13-21 Sample Time: 0905 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace [X] Initials: MD JM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: ROXANA 1921 GW PROJECT NUMBER: 60648474 FIELD PERSONNEL: MD'Angelo JMayer

DATE: 1-7-21 WEATHER: cloudy 35°

MONITORING WELL ID: MW12 SAMPLE ID: MW12-ROX-010721

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 46.92 ft btoc
Total Well Depth (btoc): 52.25 ft	
Depth to Water (btoc): 57.08 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	
Depth to Top of Screen (btoc): 41.92 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 15.17 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc

Volume of Flow Through Cell : 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1101	57.08	clear	none	16.8	2.29	0.958 ~~mS/cm~~ uS/cm	6.63	178.5	17.0
300	1102				16.7	2.07	0.960 ~~mS/cm~~ uS/cm	6.63	176.9	16.0
600	1103				16.7	1.91	0.961 ~~mS/cm~~ uS/cm	6.63	176.0	16.4
900	1104				16.8	1.78	0.958 ~~mS/cm~~ uS/cm	6.63	175.2	15.8
1200	1105				16.9	1.67	0.958 ~~mS/cm~~ uS/cm	6.63	174.5	16.0
1500	1106				16.9	1.52	0.959 ~~mS/cm~~ uS/cm	6.63	174.0	15.6
1800	1107				16.8	1.47	0.960 ~~mS/cm~~ uS/cm	6.63	173.8	16.9
2100	1108				16.7	1.41	0.961 ~~mS/cm~~ uS/cm	6.63	173.9	17.3
2400	1109				16.6	1.37	0.959 ~~mS/cm~~ uS/cm	6.63	174.0	17.9
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

MD'Angelo 1/7/21

Start Time: 1101 Elapsed Time (min): 8 Water Quality Meter ID & SN: YSI ProDSS - 33969 + 44954

Stop Time: 1109 Average Purge Rate (mL/min): 300 Date Calibrated: 1-7-21

SAMPLING DATA

Sample Date: 1-7-21 Sample Time: 1115 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: EB

VOA Vials, No Headspace ☒ Initials: MD JM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Total Purge Volume: 2400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Oliver ; B. Howell

DATE: 1/8/21 WEATHER: Cloudy 33°

MONITORING WELL ID: MW-13 SAMPLE ID: ~~MW13-010821~~ AO MW13-ROX-010821

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 29.80 ft btoc	Volume of Flow Through Cell : 320* mL	
Total Well Depth (btoc): 35.05 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 24.49 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 24.80 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 10.56 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.		pH	ORP (mV)	Turb (NTU)
		STABLE: (over 4 readings)			Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm		+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	11:16	24.49	Cloudy	None	15.7	1.82	1.338	mS/cm uS/cm	7.4	-53.7	88.61
300	11:17				16.4	1.07	1.348	mS/cm uS/cm	7.28	-92.0	72.33
600	11:18				17.7	0.78	1.356	mS/cm uS/cm	7.14	-68.0	63.29
900	11:19				17.7	0.72	1.360	mS/cm uS/cm	7.04	-73.0	59.52
1,200	11:20				18.0	0.67	1.362	mS/cm uS/cm	7.04	-77.4	53.67
1,500	11:21				16.2	0.63	1.361	mS/cm uS/cm	7.00	-81.1	47.74
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
					AO			mS/cm ~~uS/cm~~			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			

Start Time: 11:16 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS - 43851 / 43870

Stop Time: 11:21 Average Purge Rate (mL/min): 300 Date Calibrated: 1/8/21

SAMPLING DATA

Sample Date: 1/8/21 Sample Time: 1130 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: None

VOA Vials, No Headspace [X] Initials: AO

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 1,500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Oliver ; B. Havel

DATE: 1/11/21 WEATHER: Cloudy 35°

MONITORING WELL ID: MW-14 SAMPLE ID: MW14-ROX-011121

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 38.42 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 44.00 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 28.63 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 33.42 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 59.1 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 15.37 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) — Monitor Temp. — +/-0.2 mg/L or +/-10% — +/-5% or +/-2 uS/cm — +/-0.2 mg/L — +/-20 mV — Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond		pH	ORP (mV)	Turb (NTU)
0	0942	28.64	Clear	Slight	16.1	1.08	1.180	mS/cm uS/cm	6.70	240.5	6.40
300	0943				16.7	0.89	1.180	mS/cm uS/cm	6.67	225.8	9.32
600	0944				16.8	0.86	1.178	mS/cm uS/cm	6.68	217.4	8.40
900	0945				16.7	0.81	1.174	mS/cm uS/cm	6.69	207	7.52
1,200	0946				16.7	0.77	1.171	mS/cm uS/cm	6.70	196.5	7.02
1,500	0947				16.8	0.72	1.168	mS/cm uS/cm	6.71	188.9	6.16
1,800	0948				16.8	0.69	1.168	mS/cm uS/cm	6.72	179.2	5.76
2,100	0949				16.8	0.67	1.167	mS/cm uS/cm	6.72	167.4	5.47
2,400	0950				17.0	0.65	1.167	mS/cm uS/cm	6.72	156.8	4.7
2,700	0951				17.2	0.62	1.167	mS/cm uS/cm	6.72	140.5	4.14
3,000	0952				17.3	0.61	1.168	mS/cm uS/cm	6.72	125.9	3.64
3,300	0953				17.1	0.61	1.166	mS/cm uS/cm	6.72	106.2	3.5
3,600	0954				17	0.59	1.164	mS/cm uS/cm	6.72	81.6	3.08
3,900	0955				17	0.58	1.164	mS/cm uS/cm	6.72	61.3	2.8
4,200	0956				17.2	0.56	1.162	mS/cm uS/cm	6.76	37.5	2.55
AO ~~4,500~~ 6,600	1004				17.5	0.50	1.160	mS/cm uS/cm	6.73	-18.2	1.86

Start Time: 0942 Elapsed Time (min): 25 Water Quality Meter ID & SN: YSI ProDSS - 43851/43870

Stop Time: 1007 Average Purge Rate (mL/min): 300 Date Calibrated: 1/11/21

SAMPLING DATA

Sample Date: 1/11/21 Sample Time: 1015 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: N/A

VOA Vials, No Headspace ☒ Initials: AO BH

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 7,500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: IQRI Rox GW PROJECT NUMBER: 60648474 FIELD PERSONNEL: B. Howell A. Oliver

DATE: 1/11/2021 MONITORING WELL ID: MW-14 SAMPLE ID: MW14-ROX-011121

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
				STABLE: (over 4 readings)	Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
6900	1005	28.64	Clear	Slight	~~17.5~~ 17.4	0.49	1.161 mS/cm uS/cm	6.74	-26.9	~~1.86~~ 1.73
7200	1006	28.64			17.3	0.49	1.158 mS/cm uS/cm	6.74	-31.3	~~1.75~~ 1.63
7,500	1007	28.64	↓	↓	17.2	0.48	1.155 mS/cm uS/cm	6.74	-36.4	~~1.~~ 1.56
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm		

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: MDAngelo JMayer

DATE: 1-13-21 WEATHER: clear 46°

MONITORING WELL ID: MW-16 SAMPLE ID: MW16-ROX-011321

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 47.75 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 38.04 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 42.895 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 37.50 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 9.71 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1105	38.04	cloudy	none	16.6	0.21	1.001 mS/cm uS/cm	6.97	65.0	95.39
300	1106	38.04	↓	↓	16.7	0.19	0.989 mS/cm uS/cm	6.94	65.3	74.08
600	1107	38.04	clear		17.0	0.20	0.970 mS/cm uS/cm	6.93	65.0	65.41
900	1108	↓	↓		17.2	0.20	0.958 mS/cm uS/cm	6.92	64.8	55.65
1200	1109				17.3	0.19	0.941 mS/cm uS/cm	6.92	64.7	47.07
1500	1110				17.2	0.18	0.933 mS/cm uS/cm	6.91	64.7	41.19
1800	1111				17.2	0.18	0.933 mS/cm uS/cm	6.90	65.0	38.08
2100	1112				17.1	0.19	0.916 mS/cm uS/cm	6.90	65.3	33.90
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

MDAngelo 1/13/21

Start Time: 1105 Elapsed Time (min): 7 Water Quality Meter ID & SN: YSI ProDSS -- 45980/45610

Stop Time: 1112 Average Purge Rate (mL/min): 300 Date Calibrated: 1-13-21

SAMPLING DATA

Sample Date: 1-13-21 Sample Time: 1120 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: MD JM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 2100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: MD'Angelo JMayer

DATE: 1-13-21 WEATHER: clear 41°

MONITORING WELL ID: MW-22 SAMPLE ID: MW22-ROX-011321

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 43.43 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 48.68 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 36.65 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 38.43 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 12.03 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color (STABLE: over 4 readings)	Odor	Temp (°C) (Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1010	36.65	clear	Moderate HC	17.9	0.05	1.137 mS/cm uS/cm	6.99	-36.3	14.04
300	1011	36.65	↓	↓	17.9	0.04	1.129 mS/cm uS/cm	6.99	-40.9	13.45
600	1012	36.65	↓	↓	17.9	0.04	1.122 mS/cm uS/cm	7.00	-45.4	12.62
900	1013	↓	↓	↓	17.9	0.03	1.118 mS/cm uS/cm	7.00	-48.6	12.11
1200	1014	↓	↓	↓	17.9	0.03	1.116 mS/cm uS/cm	7.00	-51.4	11.17
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

MD'Angelo 1/13/21

Start Time: 1010 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 45980/45610

Stop Time: 1014 Average Purge Rate (mL/min): 300 Date Calibrated: 1-13-21

SAMPLING DATA

Sample Date: 1-13-21 Sample Time: 1020 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: MD JM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: MD Angels JMayer

DATE: 1-7-21 WEATHER: cloudy 35°

MONITORING WELL ID: MW-23 SAMPLE ID: MW23-ROX-010721

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 34.02 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 39.27 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 25.92 ft		Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Depth to Top of Screen (btoc): 29.02 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	
Screen Length: 10 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc	
Water Column Height (not including NAPL): 13.35 ft		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1305	25.94	clear	slight HC	16.5	1.88	1.053 mS/cm uS/cm	6.44	-113.0	135.9
300	1306	25.94			16.6	1.75	1.050 mS/cm uS/cm	6.43	-114.3	118.7
600	1307	25.94			16.7	1.66	1.054 mS/cm uS/cm	6.42	-115.0	137.0
900	1308				16.6	1.57	1.055 mS/cm uS/cm	6.42	-115.9	114.0
1200	1309				16.7	1.50	1.055 mS/cm uS/cm	6.43	-117.0	91.1
~~1500~~	~~1310~~	MD 1/7			~~16.8~~ MD 1/7		mS/cm uS/cm			
~~1800~~	~~1311~~	MD 1/7			~~16.9~~ MD 1/7		mS/cm uS/cm			
~~2100~~	~~1312~~	MD 1/7			~~16.7~~ MD 1/7		mS/cm uS/cm			
2400	1313				16.8	1.40	1.057 mS/cm uS/cm	6.43	-117.9	73.9
2700	1314				16.9	1.36	1.057 mS/cm uS/cm	6.42	-118.7	66.6
3000	1315				16.7	1.33	1.057 mS/cm uS/cm	6.43	-119.2	68.6
3300	1316				16.9	1.28	1.059 mS/cm uS/cm	6.42	-119.5	50.8
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

MD Angels 1/7/21

Start Time: 1305 Elapsed Time (min): 11 Water Quality Meter ID & SN: YSI ProDSS - 33969+44954

Stop Time: 1316 Average Purge Rate (mL/min): 300 Date Calibrated: 1-7-21

SAMPLING DATA

Sample Date: 1-7-21 Sample Time: 1320 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: MD JM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 3300 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: MDiAngelo JMayer

DATE: 1-11-21 WEATHER: Overcast 33°

MONITORING WELL ID: MW-24 SAMPLE ID: MW24-ROX-011121

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 44.61 ft btoc
Total Well Depth (btoc): 49.86 ft	
Depth to Water (btoc): 37.90 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	
Depth to Top of Screen (btoc): 39.61 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 11.98 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc

Volume of Flow Through Cell: 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color (STABLE: over 4 readings)	Odor (STABLE: over 4 readings)	Temp (°C) (Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1205	37.90	clear	none	16.3	0.54	1.175 mS/cm uS/cm	7.30	57.7	10.60
300	1206	37.90			16.3	0.49	1.177 mS/cm uS/cm	7.25	58.1	9.45
600	1207	37.90			16.3	0.43	1.179 mS/cm uS/cm	7.21	58.4	8.08
900	1208	↓	↓	↓	16.6	0.38	1.180 mS/cm uS/cm	7.18	58.7	7.16
1200	1209				16.5	0.36	1.181 mS/cm uS/cm	7.16	58.9	6.40
1500	1210				16.5	0.34	1.181 mS/cm uS/cm	7.14	59.2	5.73
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

MDiAngelo 1/11/21

Start Time: 1205 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS - 45980/45610

Stop Time: 1210 Average Purge Rate (mL/min): 300 Date Calibrated: 1-11-21

SAMPLING DATA

Sample Date: 1-11-21 Sample Time: 1215 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: MD JM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 1500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Oliver; B. Howell

DATE: 1/18/21 WEATHER: Clear 35°

MONITORING WELL ID: MW-25 SAMPLE ID: ~~MW25-0118~~ AO MW25-DOX-01182)

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 40.59 ft btoc	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 45.84 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 33.11 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Wellbore PID/FID Reading: 118.0 ppm
Depth to Top of Screen (btoc): 35.59 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	
Screen Length: 10 ft		
Water Column Height (not including NAPL): 12.73 ft		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings; Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1021	33.12	Clear	Slight	15.0	1.77	1.108 mS/cm uS/cm	7.24	189.3	29.71
300	1022				15.7	1.13	1.117 mS/cm uS/cm	7.13	174.6	29.18
600	1023				15.8	0.97	1.116 mS/cm uS/cm	7.09	164.3	29.65
900	1024				15.9	0.92	1.118 mS/cm uS/cm	7.07	161.5	29.12
1,200	1025				15.4	0.86	1.120 mS/cm uS/cm	7.05	154.2	28.12
1,500	1026				16.4	0.81	1.119 mS/cm uS/cm	7.03	149.0	27.04
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

AO

Start Time: 1021 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS - 43851 / 13870

Stop Time: 1026 Average Purge Rate (mL/min): 300 Date Calibrated: 1/18/21

SAMPLING DATA

Sample Date: 1/18/21 Sample Time: 1035 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: ~~N/A~~ AO Dup

VOA Vials, No Headspace ☒ Initials: AO BH

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 1,500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: MDiAngelo JMayer

DATE: 1-8-21 WEATHER: Overcast 34°

MONITORING WELL ID: MW-26 SAMPLE ID: MW26-RX-010821

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 43.15 ft btoc
Total Well Depth (btoc): 48.40 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to Water (btoc): 35.78 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc
Depth to LNAPL/DNAPL (btoc): NS ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to Top of Screen (btoc): 38.15 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 12.62 ft	

Volume of Flow Through Cell : 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1205	35.78	Clear	None	15.0	0.82	1.581 mS/cm uS/cm	7.26	38.2	45.07
300	1206	35.78			15.8	0.68	1.597 mS/cm uS/cm	7.17	37.9	37.78
600	1207	35.78			15.7	0.60	1.599 mS/cm uS/cm	7.11	37.5	29.75
900	1208				15.9	0.52	1.601 mS/cm uS/cm	7.05	36.9	23.13
1200	1209				15.8	0.47	1.596 mS/cm uS/cm	7.03	36.7	22.74
1500	1210				16.0	0.44	1.598 mS/cm uS/cm	7.01	36.4	20.31
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

MDiAngelo 1/8/21

Start Time: 1205 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS - 45980+45610

Stop Time: 1210 Average Purge Rate (mL/min): 300 Date Calibrated: 1-8-21

SAMPLING DATA

Sample Date: 1-8-21 Sample Time: 1215 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: None

VOA Vials, No Headspace ☑ Initials: MD JM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 1500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Oliver ; B. Howell

DATE: 1/8/21 WEATHER: Cloudy 33°

MONITORING WELL ID: MW-27 SAMPLE ID: MW27-Rox-010821

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 44.79 ft btoc
Total Well Depth (btoc): 50.04 ft	
Depth to Water (btoc): 36.67 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	
Depth to Top of Screen (btoc): 39.79 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 13.37 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc

Volume of Flow Through Cell : 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.		pH	ORP (mV)	Turb (NTU)
0	12:28	36.8	Clear	None	13.7	4.5	0.[illegible]	mS/cm uS/cm	7.98	39.47	40.5
300	12:29				14.6	3.52	0.840	mS/cm uS/cm	7.90	36.8	41.85
600	12:30				15.4	3.25	0.836	mS/cm uS/cm	7.75	36.3	42.4
900	12:31				15.2	2.97	0.838	mS/cm uS/cm		34.6	39.13
1,200	12:32				15.6	2.72	0.841	mS/cm uS/cm	7.59	34.2	30
1,500	12:33				15.6	2.65	0.844	mS/cm uS/cm	7.54	34.5	25.4
1,800	12:34				15.6	2.56	0.840	mS/cm uS/cm	7.5	34.7	20.1
2,100	12:35				15.8	2.47	0.841	mS/cm uS/cm	7.47	34.9	16.6
2,400	12:36				15.9	2.37	0.844	mS/cm uS/cm	7.44	35.2	12.8
2,700	12:37				15.9	2.32	0.846	mS/cm uS/cm	7.41	35	11.7
3,000	12.38				15.9	2.27	0.847	mS/cm uS/cm	7.39	35.1	9.8
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			

AO

Start Time: 12:28 Elapsed Time (min): 10 Water Quality Meter ID & SN: YSI ProDSS - 43851 / 43870

Stop Time: 12:38 Average Purge Rate (mL/min): 300 Date Calibrated: 1/8/21

SAMPLING DATA

Sample Date: 1/8/21 Sample Time: 1250 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: None

VOA Vials, No Headspace: ☒ Initials: AO

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 3000 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: MDAngelo JMayer

DATE: 1-14-21 WEATHER: light rain 48°

MONITORING WELL ID: MW-28 SAMPLE ID: MW28-ROX-011421

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ___ ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 43.86 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 39.84 ft btoc	Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 35.82 ft		Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ___ ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Depth to Top of Screen (btoc): 33.61 ft		
Screen Length: 10 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ___ ft btoc	
Water Column Height (not including NAPL): 8.04 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ___ ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1237	35.86	clear	slight HC	16.7	0.16	1,164 mS/cm uS/cm	6.99	39.20	11.11
300	1238	35.86	↓	↓	16.8	0.13	1,160 mS/cm uS/cm	6.95	32.30	9.25
600	1239	35.86			16.9	0.10	1,153 mS/cm uS/cm	6.93	26.50	8.81
900	1240	↓			17.2	0.07	1,151 mS/cm uS/cm	6.91	20.67	7.47
1200	1241				17.2	0.06	1,147 mS/cm uS/cm	6.90	14.70	6.25
1500	1242				17.3	0.05	1,140 mS/cm uS/cm	6.88	11.60	4.85
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

1/14/21

MD Angelo

Start Time: 1237 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS - 45980/45610

Stop Time: 1242 Average Purge Rate (mL/min): 300 Date Calibrated: 1-14-21

SAMPLING DATA

Sample Date: 1-14-21 Sample Time: 1245 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: MD JM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 1500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: MD'Angelo JMayer

DATE: 1-11-21 WEATHER: overcast 30°

MONITORING WELL ID: P-54 SAMPLE ID: P54-ROX-011121

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ft btoc
Total Well Depth (btoc): 63.00 ft	
Depth to Water (btoc): 36.68 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to LNAPL/DNAPL (btoc): NS ft	
Depth to Top of Screen (btoc): 38.00 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): 43.00 ft btoc
Screen Length: 25 ft	
Water Column Height (not including NAPL): 26.32 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc

Volume of Flow Through Cell: 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color (STABLE: over 4 readings)	Odor (STABLE: over 4 readings)	Temp (°C) (Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1043	36.69	clear	none	14.7	1.27	1.168 mS/cm uS/cm	7.07	41.9	6.09
300	1044	36.69	↓	↓	14.7	1.25	1.174 mS/cm uS/cm	7.04	42.5	6.16
600	1045	36.68			14.6	1.26	1.176 mS/cm uS/cm	7.02	43.2	5.56
900	1046	36.68			14.9	1.24	1.180 mS/cm uS/cm	6.99	43.7	5.49
1200	1047	36.68			15.1	1.24	1.184 mS/cm uS/cm	6.98	44.0	5.37
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

MD'Angelo 1/11/21

Start Time: 1043 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 15980/15610

Stop Time: 1047 Average Purge Rate (mL/min): 300 Date Calibrated: 1-11-21

SAMPLING DATA

Sample Date: 1-11-21 Sample Time: 1050 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: MS/MSD

VOA Vials, No Headspace ☒ Initials: MD JM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Olver ; B. Howell

DATE: 1/15/20 WEATHER: Snow 30°

MONITORING WELL ID: P-55R SAMPLE ID: —

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc
Total Well Depth (btoc): ~~40~~ 50.68 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Water (btoc): 36.36 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc
Depth to LNAPL/DNAPL (btoc): 36.36 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Top of Screen (btoc): 40.43 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 14.30 ft	

Volume of Flow Through Cell : 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 69.2 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) — Monitor Temp. — +/-0.2 mg/L or +/-10% — +/-5% or +/-2 uS/cm — +/-0.2 mg/L — +/-20 mV — Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Oliver ; B. Howell

DATE: 1/12/21 WEATHER: Sunny 40's

MONITORING WELL ID: P56 SAMPLE ID: P56-Rox-011221

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc
Total Well Depth (btoc): 65.82 ft	
Depth to Water (btoc): 41.04 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	
Depth to Top of Screen (btoc): 40.82 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): 46.04 ft btoc
Screen Length: 25 ft	
Water Column Height (not including NAPL): 24.78 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc

Volume of Flow Through Cell : 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 48.7 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) — Monitor Temp. +/-0.2 mg/L or +/-10% — +/-5% or +/-2 uS/cm — +/-0.2 mg/L — +/-20 mV — Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.		pH	ORP (mV)	Turb (NTU)
0	0924	41.06	Clear	Slight	15.6	0.97	0.956	mS/cm uS/cm	6.64	85.3	13.26
300	0925				15.6	0.85	0.956	mS/cm uS/cm	6.67	67.5	11.84
1,800	0930				15.9	0.64	0.940	mS/cm uS/cm	6.76	-18.6	8.96
2,100	0931				16.2	0.62	0.941	mS/cm uS/cm	6.77	-25.5	8.22
2,400	0932				16.4	0.60	0.942	mS/cm uS/cm	6.78	-35.0	7.82
2,700	0933				16.3	0.58	0.938	mS/cm uS/cm	6.79	-42.4	7.83
3,000	0934				16.6	0.56	0.938	mS/cm uS/cm	6.80	-50.2	7.86
3,300	0935				16.4	0.55	0.935	mS/cm uS/cm	6.81	-55.5	7.18
3,600	0936				16.6	0.54	0.933	mS/cm uS/cm	6.82	-59.4	7.23
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			

AO BH

Start Time: 0924 Elapsed Time (min): 12 Water Quality Meter ID & SN: YSI ProDSS -- 43851 / 43870

Stop Time: 0936 Average Purge Rate (mL/min): 300 Date Calibrated: 1/12/21

SAMPLING DATA

Sample Date: 1/12/21 Sample Time: 0940 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: N/A

VOA Vials, No Headspace: ☒ Initials: AO BH

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 3,400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Oliver; B. Howell

DATE: 1/13/21 WEATHER: Sunny 45°

MONITORING WELL ID: P-57 SAMPLE ID: P57-ROX-011321

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 49.19 ft btoc
Total Well Depth (btoc): 54.19 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Water (btoc): 41.70 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Top of Screen (btoc): 44.19 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 12.49 ft	

Volume of Flow Through Cell: 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 101.3 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings)	DO (mg/L) (Monitor Temp. +/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1056	42.03	Clear	Moderate	16.5	1.48	0.947 mS/cm uS/cm	7.17	6.6	4.90
300	1057	41.98			16.6	1.10	0.944 mS/cm uS/cm	7.11	-2.3	4.03
600	1058				16.7	0.95	0.944 mS/cm uS/cm	7.08	-10.1	4.18
900	1059				16.9	0.89	0.943 mS/cm uS/cm	7.06	-17.2	3.96
1,200	1100				17.1	0.85	0.944 mS/cm uS/cm	7.05	-24.0	3.91
1,500	1101				17.4	0.77	0.945 mS/cm uS/cm	7.03	-34.6	3.79
1,800	1102				17.3	0.75	0.944 mS/cm uS/cm	7.02	-40.3	3.73
2,100	1103				17.4	0.72	0.941 mS/cm uS/cm	7.01	-45.2	3.81
2,400	1104				17.6	0.68	0.943 mS/cm uS/cm	7.00	-52.8	3.58
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

AO

Start Time: 1056 Elapsed Time (min): 8 Water Quality Meter ID & SN: YSI ProDSS – 43851 / 43870

Stop Time: 1104 Average Purge Rate (mL/min): 300 Date Calibrated: 1/13/21

SAMPLING DATA

Sample Date: 1/13/21 Sample Time: 1110 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: EB @ 1000

VOA Vials, No Headspace ☒ Initials: AO BH Dup @ 1110

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 2,400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: B. Howell A. Oliver

DATE: 1/14/2021 WEATHER: 40°F Cloudy

MONITORING WELL ID: P-58 SAMPLE ID: —

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc
Total Well Depth (btoc): 65.21 ft	
Depth to Water (btoc): 39.49 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to LNAPL/DNAPL (btoc): 39.46 ft	
Depth to Top of Screen (btoc): 40.21 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc
Screen Length: 25 ft	
Water Column Height (not including NAPL): 25.72 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc

Volume of Flow Through Cell : 320* mL

Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL

Ambient PID/FID Reading: 48.6 BAU ppm

Wellbore PID/FID Reading: — ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Start Time: — Elapsed Time (min): — Water Quality Meter ID & SN: YSI ProDSS --

Stop Time: — Average Purge Rate (mL/min): — Date Calibrated: —

SAMPLING DATA

Sample Date: — Sample Time: — Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): — QA/QCSamples: —

VOA Vials, No Headspace ☐ Initials: —

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL Not Sampled due to the presence of LNAPL

Estimated Total Purge Volume: — mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: B. Howell A. Olives

DATE: 1/13/2021 WEATHER: Sunny 40's

MONITORING WELL ID: P-59 SAMPLE ID: P59-ROX-011321

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 72.91 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 41.68 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NIF ft		
Depth to Top of Screen (btoc): 47.91 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): 52.91 ft btoc	Wellbore PID/FID Reading: 156.9 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 31.23 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.		pH	ORP (mV)	Turb (NTU)
					STABLE: (over 4 readings)	Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	0918	41.68	Clear	Strong	15.2	1.99	1.067	mS/cm uS/cm	6.49	179.0	8.09
300	0919				16.0	1.34	1.067	mS/cm uS/cm	6.47	164.9	8.67
600	0920				17.5	0.90	1.061	mS/cm uS/cm	6.47	136.9	8.71
900	0921				17.9	0.82	1.060	mS/cm uS/cm	6.48	115.4	8.56
1200	0922				18.1	0.76	1.058	mS/cm uS/cm	6.48	99.3	8.57
1,500	0923				18.5	0.71	1.059	mS/cm uS/cm	6.49	78.8	9.07
1,800	0924				18.7	0.67	1.060	mS/cm uS/cm	6.55	60.0	8.60
3,300	0929				18.9	0.57	1.060	mS/cm uS/cm	6.56	-10.6	7.82
3,600	0930				18.9	0.56	1.059	mS/cm uS/cm	6.56	-18.3	8.15
3,900	0931				19.0	0.55	1.060	mS/cm uS/cm	6.56	-24.7	7.82
4,200	0932				19.2	0.53	1.062	mS/cm uS/cm	6.57	-33.5	7.67
4,500	0933				19.5	0.52	1.066	mS/cm uS/cm	6.58	-40	7.49
4,800	0934				19.7	0.51	1.068	mS/cm uS/cm	6.58	-41.8	7.74
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			

AO

Start Time: 0918 Elapsed Time (min): 16 Water Quality Meter ID & SN: YSI ProDSS -- 43851/193870

Stop Time: 0934 Average Purge Rate (mL/min): 300 Date Calibrated: 1/13/2021

SAMPLING DATA

Sample Date: 1/13/21 Sample Time: 0940 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: ~~EB~~ None

VOA Vials, No Headspace [X] Initials: AO BH ~~AO~~ 1113/21

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 4,800 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Oliver; B. Howey

DATE: 1/11/21 WEATHER: Cloudy 35°

MONITORING WELL ID: P-66 SAMPLE ID: P66-ROX-011121

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 59.72 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 31.39 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 34.72 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): 39.72 ft btoc	Wellbore PID/FID Reading: 56.9 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 28.33 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1050	31.42	Clear	Strong	15.2	1.29	1.146 mS/cm uS/cm	7.21	-3.2	13.66
300	1051				14.9	1.02	1.281 mS/cm uS/cm	7.14	-18.0	13.02
600	1052				15.7	0.86	1.291 mS/cm uS/cm	7.08	-35.2	10.9
900	1053				16.1	0.73	1.319 mS/cm uS/cm	7.03	-46.9	10.32
1,200	1054				15.7	0.69	1.322 mS/cm uS/cm	7.01	-56.2	9.94
1,500	1055				15.4	0.66	1.307 mS/cm uS/cm	6.99	-60.4	9.54
1,800	1056				15.9	0.64	1.304 mS/cm uS/cm	6.97	-66.4	8.09
~~2,100~~	~~1057~~						mS/cm uS/cm			
~~2,400~~	~~1058~~						mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

AO 1/11/21

AO 1/11/21

Start Time: 1050

Stop Time: 1056

Elapsed Time (min): ~~6~~ 6 min

Average Purge Rate (mL/min): 300

Water Quality Meter ID & SN: YSI ProDSS -- 43851 / 43870

Date Calibrated: 1/11/21

SAMPLING DATA

Sample Date: 1/11/21 Sample Time: 1105 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: None

VOA Vials, No Headspace ☒ Initials: AO BH

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

AO 1/11/21

Estimated Total Purge Volume: ~~2,400~~ 1,800 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Oliver ; B. Howell

DATE: 1/15/21 WEATHER: SNOW 30°

MONITORING WELL ID: P-68 SAMPLE ID: —

INITIAL DATA

Well Diameter): 4 in 40

Total Well Depth (btoc): 68.76 ft

9.47 Depth to Water (btoc): ~~34.53~~ ft

9.44 Depth to LNAPL/DNAPL (btoc): ~~34.34~~ ft

Depth to Top of Screen (btoc): 43.76 ft

Screen Length: 25 ft

Water Column Height (not including NAPL): ft

IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc

IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc

IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): — ft btoc

IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc

IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc

Volume of Flow Through Cell : 320* mL

Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL

Ambient PID/FID Reading: 0.0 ppm

Wellbore PID/FID Reading: 261.7 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

1/15/21

Start Time: — Elapsed Time (min): — Water Quality Meter ID & SN: YSI ProDSS --

Stop Time: — Average Purge Rate (mL/min): — Date Calibrated: —

SAMPLING DATA

Sample Date: — Sample Time: — Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): — QA/QCSamples: —

VOA Vials, No Headspace ☐ Initials: —

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Not Sampled due to the presence of LNAPL

Estimated Total Purge Volume: — mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Oliver ; B Howell

DATE: 1/12/21 WEATHER: Sunny 40's

MONITORING WELL ID: P-74 SAMPLE ID: P74-Rox-011221

INITIAL DATA

8 1/12/21 7.83

Well Diameter): 4 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 68.83 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 37.83 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NF ft		
Depth to Top of Screen (btoc): 43.83 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): 48.83 ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 31.1 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings; Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1041	37.84	Clear	Slight	12.7	1.58	0.198 mS/cm uS/cm	7.60	25.6	5.75
300	1042				13.0	1.42	0.198 mS/cm uS/cm	7.53	24.1	6.11
600	1043				13.5	1.25	0.197 mS/cm uS/cm	7.45	23.1	6.34
900	1044				14.0	1.13	0.197 mS/cm uS/cm	7.40	22.9	6.68
1,200	1045				13.9	1.04	0.197 mS/cm uS/cm	7.36	22.9	6.61
1,500	1046				13.9	0.96	0.197 mS/cm uS/cm	7.32	22.2	6.65
1,800	1047				14.0	0.89	0.197 mS/cm uS/cm	7.29	21.8	7.02
2,100	1048				14.7	0.82	0.197 mS/cm uS/cm	7.24	20.8	7.24
2,400	1049				14.8	0.80	0.197 mS/cm uS/cm	7.21	20.7	7.33
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

AO

Start Time: 1041 Elapsed Time (min): 8 Water Quality Meter ID & SN: YSI ProDSS -- 43851 / 43870

Stop Time: 1049 Average Purge Rate (mL/min): 300 Date Calibrated: 1/12/21

SAMPLING DATA

Sample Date: 1/12/21 Sample Time: 1055 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: N/A

VOA Vials, No Headspace ☒ Initials: AO BH

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 2,400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: B. Howell A. Oliver

DATE: 1/14/2021 WEATHER: 40°F Cloudy

MONITORING WELL ID: P-93A SAMPLE ID: P93A - ROX - 011421

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 48.07 ft btoc
Total Well Depth (btoc): 53.07 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: / ft btoc
Depth to Water (btoc): 39.79 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): / ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: / ft btoc
Depth to Top of Screen (btoc): 43.07 ft	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): / ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 13.28 ft	

Volume of Flow Through Cell : 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 3.7 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
		STABLE: (over 4 readings)			Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	0927	39.85	Clear	Slight	17.0	1.93	1.168 mS/cm uS/cm	6.59	202.2	2.20
300	0928				17.8	1.23	1.181 mS/cm uS/cm	6.60	189.9	2.13
600	0929				18.0	1.13	1.181 mS/cm uS/cm	6.61	181.2	1.97
900	0930				18.0	1.07	1.180 mS/cm uS/cm	6.62	176.9	2.01
1,200	0931				18.4	0.89	1.184 mS/cm uS/cm	6.64	170.1	2.07
1,500	0932				18.5	0.81	1.183 mS/cm uS/cm	6.65	163.1	1.99
1,800	0933				18.5	0.76	1.183 mS/cm uS/cm	6.66	155.8	2.12
2,100	0934				18.7	0.73	1.183 mS/cm uS/cm	6.67	150.8	2.01
2,400	0935				18.9	0.70	1.183 mS/cm uS/cm	6.69	156.7	1.89
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

Start Time: 0927 Elapsed Time (min): 8 Water Quality Meter ID & SN: YSI ProDSS - 45851/13870

Stop Time: 0935 Average Purge Rate (mL/min): 300 Date Calibrated: 1/14/2021

SAMPLING DATA

Sample Date: 1/14/2021 Sample Time: 0940 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: BH AO

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 2,400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Oliver B. Howell

DATE: 1/14/2021 WEATHER: 40°F Cloudy

MONITORING WELL ID: P-93B SAMPLE ID: P93B-ROX-011421

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc
Total Well Depth (btoc): 76.78 ft	
Depth to Water (btoc): 41.13 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	
Depth to Top of Screen (btoc): 74.78 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc
Screen Length: 2 ft	
Water Column Height (not including NAPL): 35.65 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): 75.78 ft btoc

Volume of Flow Through Cell: 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: ~~Dedicated Well Wizard~~ SS submersible

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings; Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1019	41.14	Clear	Slight	16.0	0.95	1.252 mS/cm uS/cm	6.74	80.1	11.15
300	1020				16.1	0.86	1.258 mS/cm uS/cm	6.73	68.1	16.60
600	1021				16.3	0.78	1.260 mS/cm uS/cm	6.72	56.9	23.33
900	1022				16.4	0.76	1.263 mS/cm uS/cm	6.71	46.2	27.46
1,200	1023				16.5	0.73	1.266 mS/cm uS/cm	6.71	34.9	32.64
1,500	1024				16.5	0.70	1.264 mS/cm uS/cm	6.71	24.9	37.75
1,800	1025				16.4	0.69	1.263 mS/cm uS/cm	6.71	17.1	41.92
2,100	1026				16.3	0.67	1.263 mS/cm uS/cm	6.72	8.9	46.47
2,400	1027				16.3	0.66	1.261 mS/cm uS/cm	6.72	1.2	50.67
3,600	1031				16.4	0.61	1.258 mS/cm uS/cm	6.72	-16.9	19.95
3,900	1032				16.4	0.61	1.257 mS/cm uS/cm	6.72	-20.9	29.96
4,200	1033				16.4	0.60	1.254 mS/cm uS/cm	6.72	-25.1	39.12
4,500	1034				16.5	0.59	1.257 mS/cm uS/cm	6.72	-25.8	44.03
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

Start Time: 1019 Elapsed Time (min): 15 Water Quality Meter ID & SN: YSI ProDSS -- 43851 / 43870

Stop Time: 1034 Average Purge Rate (mL/min): 300 Date Calibrated: 1/14/2021

SAMPLING DATA

Sample Date: 1/14/2021 Sample Time: 1040 Lab Analysis: VOC, SVOC, PAH

Sample Method: Bladder Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: DUP

VOA Vials, No Headspace ☒ Initials: BH AO

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 4,500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Olmer ; B. Howell

DATE: 1/11/21 WEATHER: Cloudy 35°

MONITORING WELL ID: P-93C SAMPLE ID: P93C-Rox-D11121

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 93.88 ft btoc	Volume of Flow Through Cell : 320* mL	
Total Well Depth (btoc): 97.88 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 41.24 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 92.88 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.5 ppm	
Screen Length: 2 ft			
Water Column Height (not including NAPL): 56.64 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1253	41.25	Clear	Slight	19.6	1.81	0.852 mS/cm uS/cm	7.64	23.2	16.71
300	1254				15.6	1.34	0.876 mS/cm uS/cm	7.51	10.9	11.2
600	1255				15.6	1.16	0.895 mS/cm uS/cm	7.44	0.5	8.13
900	1256				16	1.03	0.908 mS/cm uS/cm	7.39	-8.8	6.68
1,200	1257				16.2	0.93	0.933 mS/cm uS/cm	7.35	-18.1	4.89
1,500	1258				16.3	0.86	0.944 mS/cm uS/cm	7.31	-25.6	4.08
1,800	1259				16.2	0.81	0.949 mS/cm uS/cm	7.24	-28.1	3.33
2,100	1300				16.1	0.78	0.946 mS/cm uS/cm	7.21	-34.5	2.78
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

AO

Start Time: 1253

Stop Time: 1300

Elapsed Time (min): AO 8 7

Average Purge Rate (mL/min): 300

Water Quality Meter ID & SN: YSI ProDSS -- 43851 / 43870

Date Calibrated: AO 01/11/21

SAMPLING DATA

Sample Date: 1/11/2021

Sample Time: 1310

Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow

Sample Flow Rate (mL/min): 300

QA/QCSamples: EB

VOA Vials, No Headspace/~~AT~~ Initials: AO BH

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 2100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Oliver; B. Howell

DATE: 1/13/2021 WEATHER: Sunny 40°F

MONITORING WELL ID: P-93D SAMPLE ID: P93D-ROX-011321

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL	
Total Well Depth (btoc): 127.91 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 41.40 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): NE ft			
Depth to Top of Screen (btoc): 125.66 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 2 ft			
Water Column Height (not including NAPL): 86.51 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): 126.66 ft btoc		

PURGE DATA

Pump Type: Dedicated Well Wizard

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings)	DO (mg/L) (Monitor Temp. +/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	1206	41.4	Clear	None	17.4	1.67	1.084 mS/cm uS/cm	7.16	-50.3	16.6
1,500	1211				17.2	1.41	1.090 mS/cm uS/cm	7.14	-58.1	24.1
1,800	1212				17.2	1.47	1.089 mS/cm uS/cm	7.14	-53.9	6.8
2,100	1213				17.2	1.59	1.091 mS/cm uS/cm	7.14	-54.3	28.1
2,400	1214				17.2	1.55	1.091 mS/cm uS/cm	7.13	-54.9	30.0
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

AO

Start Time: 1206 Elapsed Time (min): 8 Water Quality Meter ID & SN: YSI ProDSS -- 43851 / 43870

Stop Time: 1214 Average Purge Rate (mL/min): 300 Date Calibrated: 1/13/21

SAMPLING DATA

Sample Date: 1/13/21 Sample Time: 1220 Lab Analysis: VOC, SVOC, PAH

Sample Method: Bladder Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: AO / BH

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 2,400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Oliver ; B. Howell

DATE: 1/18/21 WEATHER: 33° cloudy

MONITORING WELL ID: P-114R SAMPLE ID: ~~MW~~ AO 1/18/21 P114R-ROX-010821

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 33.31 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 23.81 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 28.56 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 23.01 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 9.5 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings; Monitor Temp.)	DO (mg/L) (+/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
0	10:10	23.89	Slightly cloudy	Slight odor	18.9	0.89	0.993 mS/cm uS/cm	6.65	60	56.5
300	10:11	23.89			19.3	0.77	0.983 mS/cm uS/cm	6.65	14.4	57.6
600	10:12	23.89			19.6	0.70	0.977 mS/cm uS/cm	6.66	-24.6	51.01
900	10:13	23.89			19.7	0.66	0.973 mS/cm uS/cm	6.67	-37.9	45.14
1,200	10:14	23.89			19.9	0.64	0.971 mS/cm uS/cm	6.67	-46.5	41.84
1,500	10:15	23.89			19.9	0.63	0.967 mS/cm uS/cm	6.67	-54.4	37.2
1,800	10:16	23.89			19.8	0.60	0.963 mS/cm uS/cm	6.68	-64	32.61
2,100	10:17	23.89			19.9	0.59	0.957 mS/cm uS/cm	6.69	-67.7	30.23
2,400	10:18	23.89			19.7	0.58	0.952 mS/cm uS/cm	6.69	-70.7	28.18
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

AO

Start Time: 1010 Elapsed Time (min): 8 Water Quality Meter ID & SN: YSI ProDSS -- 43851/43820

Stop Time: 1018 Average Purge Rate (mL/min): 300 Date Calibrated: 1/18/21

SAMPLING DATA

Sample Date: 1/18/21 Sample Time: 1030 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: MS/MSD

VOA Vials, No Headspace ☒ Initials: AO BH

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 2,400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: MD'Angelo JMayer

DATE: 1-8-21 WEATHER: Overcast 34°

MONITORING WELL ID: ROST-3-MW SAMPLE ID: ROST3MW-ROX-010821

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 42.81 ft btoc
Total Well Depth (btoc): 48.06 ft	
Depth to Water (btoc): 36.49 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	
Depth to Top of Screen (btoc): 37.81 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 11.57 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ft btoc

Volume of Flow Through Cell : 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 11.1 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings)	DO (mg/L) (Monitor Temp. +/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50)
0	1100	36.54	clear	slight HC	14.5	0.39	1.380 ~~mS/cm~~ uS/cm	7.03	18.3	70.72
300	1101	36.54			14.8	0.30	1.383 ~~mS/cm~~ uS/cm	6.94	11.8	60.40
600	1102	36.52			14.9	0.21	1.383 ~~mS/cm~~ uS/cm	6.89	5.4	53.73
900	1103	36.52			15.2	0.18	1.384 ~~mS/cm~~ uS/cm	6.85	-0.4	47.65
1200	1104	36.52			15.3	0.14	1.388 ~~mS/cm~~ uS/cm	6.83	-4.3	44.37
1500	1105				15.3	0.11	1.393 ~~mS/cm~~ uS/cm	6.81	-10.2	41.41
1800	1106				15.3	0.09	1.394 ~~mS/cm~~ uS/cm	6.79	-14.4	35.90
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							~~mS/cm~~ uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

1/8/21

Start Time: 1100 Elapsed Time (min): 6 Water Quality Meter ID & SN: YSI ProDSS - 45980 + 45610

Stop Time: 1106 Average Purge Rate (mL/min): 300 Date Calibrated: 1-8-21

SAMPLING DATA

Sample Date: 1-8-21 Sample Time: 1110 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: MD-JM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 1800 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: Mary D'Angelo Joe Mayer

DATE: 1-14-21 WEATHER: Overcast 44°

MONITORING WELL ID: ROST-4-PZ(C) SAMPLE ID: ROST4PZC-ROX-011421

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc
Total Well Depth (btoc): 45.20 ft	
Depth to Water (btoc): 36.44 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 40.82 ft btoc
Depth to LNAPL/DNAPL (btoc): NE ft	
Depth to Top of Screen (btoc): 34.95 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc
Screen Length: 10 ft	
Water Column Height (not including NAPL): 8.76 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc

Volume of Flow Through Cell: 320* mL
Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
			STABLE: (over 4 readings)		Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1035	36.53	Clear but blackish	slight HC	16.7	0.10	1.121 mS/cm uS/cm	7.18	-56.0	32.40
300	1036	36.53			16.7	0.09	1.124 mS/cm uS/cm	7.17	-58.3	32.26
600	1037	36.53			16.8	0.07	1.128 mS/cm uS/cm	7.16	-63.7	31.50
900	1038				16.8	0.06	1.135 mS/cm uS/cm	7.14	-67.6	31.05
1200	1039				16.9	0.05	1.136 mS/cm uS/cm	7.13	-70.1	30.65
1560	1040				16.9	0.03	1.142 mS/cm uS/cm	7.12	-71.6	29.47
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

MD'A 1/14/21

Start Time: 1035 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS - 45980/45610

Stop Time: 1040 Average Purge Rate (mL/min): 300 Date Calibrated: 1-14-21

SAMPLING DATA

Sample Date: 1-14-21 Sample Time: 1045 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace ☒ Initials: MD JM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 1500 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: MD Angela JMeyer

DATE: 1-15-21 WEATHER: Flurries 37°

MONITORING WELL ID: ROST-4-PZ(E) SAMPLE ID: ~~ROST4PZE-ROX-011521~~ MD 1/15

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL	
Total Well Depth (btoc): 45.00 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): ~~35.56~~ ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm	
Depth to LNAPL/DNAPL (btoc): ~~35.46~~ ft → 35.55			
Depth to Top of Screen (btoc): 34.75 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 11.5 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 9.44 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc		
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc		

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C) (STABLE: over 4 readings)	DO (mg/L) (Monitor Temp. +/-0.2 mg/L or +/-10%)	Spec. Cond. (+/-5% or +/-2 uS/cm)	pH (+/-0.2 mg/L)	ORP (mV) (+/-20 mV)	Turb (NTU) (Monitor Turb Readings (<50))
~~MD 0~~							mS/cm uS/cm			
~~MD 300~~							mS/cm uS/cm			
~~MD 600~~							mS/cm uS/cm			
~~MD 900~~							mS/cm uS/cm			
~~MD 1200~~							mS/cm uS/cm			
							~~mS/cm uS/cm~~			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							~~mS/cm uS/cm~~			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

MD Angela 1/15/21

Start Time: — Elapsed Time (min): — Water Quality Meter ID & SN: YSI ProDSS -- 45980/45610

Stop Time: — Average Purge Rate (mL/min): ~~300~~ MD 1/15 Date Calibrated: 1-15-21

SAMPLING DATA

Sample Date: ~~1-15-21~~ MD 1/15 Sample Time: — Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): ~~300~~ MD 1/15 QA/QCSamples: ~~DUP~~ MD 1/15

VOA Vials, No Headspace [X] Initials: ~~MD JM~~ MD 1/15

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

NOT SAMPLED DUE TO PRESENCE OF LNAPL - confirmed on probe + paper towel

Estimated Total Purge Volume: — mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: MD Angela JMayer

DATE: 1-13-21 WEATHER: clear 52°

MONITORING WELL ID: ROST-4-PZ(G) SAMPLE ID: ROST4PZG-ROX-011321

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ~~ ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 44.53 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 36.30 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 40.415 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 34.28 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): ~~ ft btoc	Wellbore PID/FID Reading: 0.2 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 8.23 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ~~ ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): ~~ ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

STABLE: (over 4 readings) | Monitor Temp. | +/-0.2 mg/L or +/-10% | +/-5% or +/-2 uS/cm | +/-0.2 mg/L | +/-20 mV | Monitor Turb Readings (<50)

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1228	36.38	cloudy brown	moderate HC	17.9	0.04	1.326 (mS/cm) uS/cm	6.71	-35.6	6.79
300	1229	36.38	↓		17.9	0.02	1.333 (mS/cm) uS/cm	6.70	-40.0	6.10
600	1230	36.38	clear		18.0	0.01	1.340 (mS/cm) uS/cm	6.70	-45.1	6.20
900	1231	↓	↓	↓	18.0	0.0	1.348 (mS/cm) uS/cm	6.70	-49.7	5.48
1200	1232				18.0	0.0	1.356 (mS/cm) uS/cm	6.69	-52.8	5.15
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

ADD PMG 1200 1/13/21

Start Time: 1228 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 45980/45610

Stop Time: 1232 Average Purge Rate (mL/min): 300 Date Calibrated: 1-13-21

SAMPLING DATA

Sample Date: 1-13-21 Sample Time: 1240 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: NONE

VOA Vials, No Headspace [X] Initials: MD JM

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 1200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 1Q21 GW PROJECT NUMBER: 60648474 - 3.02.01 FIELD PERSONNEL: A. Oliver; B. Howell

DATE: 1/12/21 WEATHER: Sunny 48°

MONITORING WELL ID: T-12 SAMPLE ID: T12-ROX-011221

INITIAL DATA

Well Diameter): 6 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: — ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 72.83 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 39.48 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 46.83 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHIEVER IS DEEPER): 51.83 ft btoc	Wellbore PID/FID Reading: 3.2 ppm
Screen Length: 26 ft		
Water Column Height (not including NAPL): 33.43 ft	IF SCREEN >10 FT & WATER COLUMN HEIGHT <10 FT – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc	
	IF SCREEN AND/OR WATER COLUMN HEIGHT <4 FT – PUMP INTAKE AT 1 FT BELOW TOP OF SCREEN OR WATER (WHICHEVER IS DEEPER): — ft btoc	

PURGE DATA

Pump Type: Stainless Steel Submersible Pump

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
		STABLE: (over 4 readings)			Monitor Temp.	+/-0.2 mg/L or +/-10%	+/-5% or +/-2 uS/cm	+/-0.2 mg/L	+/-20 mV	Monitor Turb Readings (<50)
0	1139	39.51	Clear	Strong	16.5	1.16	1.318 mS/cm uS/cm	6.86	12.0	5.51
1,500	1144				17.5	0.66	1.359 mS/cm uS/cm	6.85	-63.1	4.86
1,800	1145				17.8	0.62	1.360 mS/cm uS/cm	6.86	-71.6	4.99
2,100	1146				17.5	0.60	1.359 mS/cm uS/cm	6.86	-78.7	4.74
2,400	1147				17.8	0.57	1.363 mS/cm uS/cm	6.86	-84.1	4.62
2,700	1148				17.6	0.55	1.366 mS/cm uS/cm	6.87	-90.1	4.86
3,000	1149				17.3	0.53	1.362 mS/cm uS/cm	6.87	-93.7	5.33
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
				AO			mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

Start Time: 1139 Elapsed Time (min): 10 Water Quality Meter ID & SN: YSI ProDSS -- 43851 / 43870

Stop Time: 1149 Average Purge Rate (mL/min): 300 Date Calibrated: 1/12/21

SAMPLING DATA

Sample Date: 1/12/21 Sample Time: 1155 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: Duplicate Sample

VOA Vials, No Headspace ☒ Initials: AO BH

COMMENTS:

* Flow through cell volume calculated as: Volume = cup (410 mL) - sonde (90 mL) = 320 mL

Estimated Total Purge Volume: 3,000 mL

Appendix C

Data Review/Validation Forms and Laboratory Analytical Reports

Roxana Groundwater Quarterly – 1st Quarter 2021 Data Review

Laboratory SDG: 400-198004-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 2/2/2021

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2017

Sample Identification	Sample Identification
TB-ROX-010721-8260-A	TB-ROX-010721-8011-A
MW12-ROX-010721-EB	MW12-ROX-010721
TB-ROX-010721-8011-B	TB-ROX-010721-8260-B
MW6A-ROX-010721-EB	MW6A-ROX-010721
MW6B-ROX-010721	MW6C-ROX-010721
MW6D-ROX-010721	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes; AECOM contacted the laboratory on January 8, 2021 to issue an updated COC with new project and task numbers. No qualification of data was required.

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated PAHs were detected in the method blank, and 2-butanone was detected in equipment blank MW12-ROX-010721-EB; although not indicated in the laboratory case narrative PAHs were detected in equipment blanks MW12-ROX-010721-EB and MW6A-ROX-010721-EB. Several VOC LCS recoveries were outside evaluation criteria. Matrix spike recoveries for 2-chloroethyl vinyl ether and vinyl chloride were outside evaluation criteria in sample MW12-ROX-010721. Continuing calibration verifications for 1,1-dichloroethene and benzyl alcohol were outside acceptance criteria, biased low. These issues are addressed further in the appropriate sections of this data review.

Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.

The cooler receipt form did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

Yes

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration /Amount
MW12-ROX-010721-EB	VOCs	2-Butanone (MEK)	3.3 µg/L
MW12-ROX-010721-EB	PAHs	Benzo[a]anthracene	0.074 µg/L
MW12-ROX-010721-EB	PAHs	Benzo[b]fluoranthene	0.039 µg/L
MW6A-ROX-010721-EB	PAHs	Benzo[a]anthracene	0.063 µg/L
MB 400-517023/1-A	PAHs	Benzo[a]anthracene	0.0130 µg/L
MB 400-517023/1-A	PAHs	Dibenz(a,h)anthracene	0.0520 µg/L
MB 400-517023/1-A	PAHs	Indeno[1,2,3-cd]pyrene	0.0210 µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW12-ROX-010721	PAHs	Benzo[a]anthracene	-	**U**
MW12-ROX-010721	PAHs	Benzo[b]fluoranthene	-	**U**
MW12-ROX-010721	PAHs	Indeno[1,2,3-cd]pyrene	-	**U**
MW6B-ROX-010721	PAHs	Indeno[1,2,3-cd]pyrene	-	**U**

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS ID	Parameter	Analyte	LCS Recovery	LCS Criteria
LCS 400-517404/53	VOCs	1-Chlorohexane	**135**	69-130
LCS 400-517404/53	VOCs	Dichlorodifluoromethane	**183**	41-146
LCS 400-517404/53	VOCs	1,1-Dichloroethane	**131**	70-130
LCS 400-517404/53	VOCs	1,2-Dichloropropane	**136**	70-130
LCS 400-517404/53	VOCs	Vinyl chloride	**160**	59-136

Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. No qualification of data was required.

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

Yes, although not requested, sample MW12-ROX-010721 was spiked and analyzed for VOCs.

Were MS/MSD recoveries within evaluation criteria?

No

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW12-ROX-010721	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-150/50
MW12-ROX-010721	VOCs	Vinyl chloride	**155**/147	5	46-150/30

Analytical data that required qualification based on MS/MSD data are included in the table below. Analytical data reported as non-detect and associated with MS/MSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Sample ID	Parameter	Analyte	Qualification
MW12-ROX-010721	VOCs	2-Chloroethyl vinyl ether	**UJ**

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

No

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; samples analyzed did not require dilution.

12.0 Additional Qualifications

Were additional qualifications applied?

Yes, the continuing calibration verifications for 1,1-dichloroethene and benzyl alcohol were outside acceptance criteria, biased low, and are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW12-ROX-010721	VOCs	1,1-Dichloroethene	**UJ**
MW6A-ROX-010721	VOCs	1,1-Dichloroethene	**UJ**
MW6B-ROX-010721	VOCs	1,1-Dichloroethene	**UJ**
MW6C-ROX-010721	VOCs	1,1-Dichloroethene	**UJ**
MW6C-ROX-010721	SVOCs	Benzyl alcohol	**UJ**

Sample ID	Parameter	Analyte	Qualification
MW6D-ROX-010721	VOCs	1,1-Dichloroethene	**UJ**
MW6D-ROX-010721	SVOCs	Benzyl alcohol	**UJ**

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ANALYTICAL REPORT

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-198004-1
Client Project/Site: ROXANA QUARTERLY GW

For:
AECOM Technical Services Inc.
100 N. Broadway
20th Floor
St. Louis, Missouri 63102

Attn: Elizabeth Kunkel

Authorized for release by:
1/22/2021 3:14:39 PM

Leah Klingensmith, Senior Project Manager
(615)301-5038
Leah.Klingensmith@Eurofinset.com

Reviewed 2/2/2021 LR

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 400-198004-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-198004-1

Comments
No additional comments.

Receipt
The samples were received on 1/8/2021 9:36 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.7° C and 4.4° C.

GC/MS VOA
Method 8260B: The continuing calibration verification (CCV) associated with batch 400-517404 recovered outside acceptance criteria, low biased, for 1,1-Dichloroethene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260B: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-010721-8260-A (400-198004-1), MW12-ROX-010721-EB (400-198004-3), MW12-ROX-010721 (400-198004-4), TB-ROX-010721-8260-B (400-198004-6), MW6A-ROX-010721-EB (400-198004-7), MW6A-ROX-010721 (400-198004-8), MW6B-ROX-010721 (400-198004-9), MW6C-ROX-010721 (400-198004-10) and MW6D-ROX-010721 (400-198004-11). The requested target analyte list include 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

Method 8260B: The matrix spike (MS) recoveries for analytical batch 400-517404 were outside control limits. Non-homogeneity is suspected.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-517404 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260B: The RPD for the MS/MSD for 2-chloroethyl vinyl ether was not calculable for analytical batch 400-517404 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

Method 8260B: The laboratory control sample (LCS) for analytical batch 400-517404 recovered outside control limits for the following analytes: 1,1-Dichloroethane, 1,2-Dichloropropane, Dichlorodifluoromethane, Vinyl chloride and 1-Chlorohexane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The continuing calibration verification (CCV) associated with batch 400-517404 recovered above the upper control limit for 1,2-Dichloropropane, Dichlorodifluoromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260B: Sample MW12-ROX-010721-EB (400-198004-3) contained 2-Butanone (MEK) between the method detection limit and the reporting limit. Reanalysis was performed with concurring results.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 400-517182 recovered above the upper control limit for Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-517209 recovered outside acceptance criteria, low biased, for Benzyl alcohol. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8270D LL: The method blank for preparation batch 400-517023 contained Dibenz(a,h)anthracene above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Job ID: 400-198004-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

Method 8270D LL: The method blank for preparation batch 400-517023 and analytical batch 400-517184 contained Indeno[1,2,3-cd]pyrene and Benzo[a]anthracene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8011: The continuing calibration verification (CCV) associated with batch 400-517065 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8011: The continuing calibration verification (CCV) associated with batch 400-517153 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane and 1,2-Dibromoethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8011: The continuing calibration verification (CCV) associated with batch 400-517153 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198004-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-198004-1	TB-ROX-010721-8260-A	Water	01/07/21 00:00	01/08/21 09:36	
400-198004-2	TB-ROX-010721-8011-A	Water	01/07/21 00:00	01/08/21 09:36	
400-198004-3	MW12-ROX-010721-EB	Water	01/07/21 08:05	01/08/21 09:36	
400-198004-4	MW12-ROX-010721	Water	01/07/21 11:15	01/08/21 09:36	
400-198004-5	TB-ROX-010721-8011-B	Water	01/07/21 00:00	01/08/21 09:36	
400-198004-6	TB-ROX-010721-8260-B	Water	01/07/21 00:00	01/08/21 09:36	
400-198004-7	MW6A-ROX-010721-EB	Water	01/07/21 07:45	01/08/21 09:36	
400-198004-8	MW6A-ROX-010721	Water	01/07/21 10:55	01/08/21 09:36	
400-198004-9	MW6B-ROX-010721	Water	01/07/21 12:00	01/08/21 09:36	
400-198004-10	MW6C-ROX-010721	Water	01/07/21 12:45	01/08/21 09:36	
400-198004-11	MW6D-ROX-010721	Water	01/07/21 13:35	01/08/21 09:36	

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198004-1

Client Sample ID: TB-ROX-010721-8260-A — Lab Sample ID: 400-198004-1

No Detections.

Client Sample ID: TB-ROX-010721-8011-A — Lab Sample ID: 400-198004-2

No Detections.

Client Sample ID: MW12-ROX-010721-EB — Lab Sample ID: 400-198004-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.3	J	25	2.6	ug/L	1		8260B	Total/NA
Benzo[a]anthracene	0.074	J B	0.18	0.042	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	0.039	J	0.18	0.031	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW12-ROX-010721 — Lab Sample ID: 400-198004-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	~~0.062~~	J B U	0.21	0.049	ug/L	1		8270D LL	Total/NA
Benzo[a]pyrene	0.13	J	0.21	0.045	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	~~0.086~~	J U	0.21	0.037	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.085	J	0.21	0.073	ug/L	1		8270D LL	Total/NA
Indeno[1,2,3-cd]pyrene	~~0.056~~	J B U	0.21	0.046	ug/L	1		8270D LL	Total/NA

Client Sample ID: TB-ROX-010721-8011-B — Lab Sample ID: 400-198004-5

No Detections.

Client Sample ID: TB-ROX-010721-8260-B — Lab Sample ID: 400-198004-6

No Detections.

Client Sample ID: MW6A-ROX-010721-EB — Lab Sample ID: 400-198004-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.063	J B	0.19	0.043	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW6A-ROX-010721 — Lab Sample ID: 400-198004-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.38	J	1.0	0.38	ug/L	1		8260B	Total/NA

Client Sample ID: MW6B-ROX-010721 — Lab Sample ID: 400-198004-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	~~0.046~~	J B U	0.20	0.043	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW6C-ROX-010721 — Lab Sample ID: 400-198004-10

No Detections.

Client Sample ID: MW6D-ROX-010721 — Lab Sample ID: 400-198004-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	0.23	J	9.7	0.23	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-010721-8260-A
Date Collected: 01/07/21 00:00
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/14/21 15:21	1
Acrolein	ND		20	10	ug/L			01/14/21 15:21	1
Acrylonitrile	ND		10	2.8	ug/L			01/14/21 15:21	1
Benzene	ND		1.0	0.38	ug/L			01/14/21 15:21	1
Bromobenzene	ND		1.0	0.54	ug/L			01/14/21 15:21	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/14/21 15:21	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/14/21 15:21	1
Bromoform	ND		5.0	0.71	ug/L			01/14/21 15:21	1
Bromomethane	ND		1.0	0.98	ug/L			01/14/21 15:21	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/14/21 15:21	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/14/21 15:21	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/14/21 15:21	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/14/21 15:21	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/14/21 15:21	1
Chloroethane	ND		1.0	0.76	ug/L			01/14/21 15:21	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/14/21 15:21	1
Chloroform	ND		1.0	0.60	ug/L			01/14/21 15:21	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/14/21 15:21	1
Chloromethane	ND		1.0	0.83	ug/L			01/14/21 15:21	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 15:21	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 15:21	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/14/21 15:21	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/14/21 15:21	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/14/21 15:21	1
Dichlorodifluoromethane	ND	*+	1.0	0.85	ug/L			01/14/21 15:21	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			01/14/21 15:21	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/14/21 15:21	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 15:21	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			01/14/21 15:21	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 15:21	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 15:21	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/14/21 15:21	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/14/21 15:21	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/14/21 15:21	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/14/21 15:21	1
2-Hexanone	ND		25	3.1	ug/L			01/14/21 15:21	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/14/21 15:21	1
Methylene bromide	ND		5.0	0.59	ug/L			01/14/21 15:21	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/14/21 15:21	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/14/21 15:21	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/14/21 15:21	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/14/21 15:21	1
Naphthalene	ND		1.0	1.0	ug/L			01/14/21 15:21	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/14/21 15:21	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/14/21 15:21	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/14/21 15:21	1
o-Xylene	ND		5.0	0.60	ug/L			01/14/21 15:21	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/14/21 15:21	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/14/21 15:21	1

Client Sample ID: TB-ROX-010721-8260-A
Date Collected: 01/07/21 00:00
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/14/21 15:21	1
Styrene	ND		1.0	1.0	ug/L			01/14/21 15:21	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/14/21 15:21	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/14/21 15:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/14/21 15:21	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/14/21 15:21	1
Toluene	ND		1.0	0.41	ug/L			01/14/21 15:21	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 15:21	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 15:21	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/14/21 15:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/14/21 15:21	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/14/21 15:21	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/14/21 15:21	1
Trichloroethene	ND		1.0	0.50	ug/L			01/14/21 15:21	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/14/21 15:21	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/14/21 15:21	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/14/21 15:21	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/14/21 15:21	1
Vinyl acetate	ND		25	2.0	ug/L			01/14/21 15:21	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			01/14/21 15:21	1
Xylenes, Total	ND		10	1.6	ug/L			01/14/21 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*01/14/21 15:21*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*01/14/21 15:21*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*01/14/21 15:21*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198004-1

Client Sample ID: TB-ROX-010721-8011-A
Date Collected: 01/07/21 00:00
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-2
Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/11/21 12:14	01/11/21 19:37	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/11/21 12:14	01/11/21 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*	*p*	*51 - 149*	*01/11/21 12:14*	*01/11/21 19:37*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198004-1

Client Sample ID: MW12-ROX-010721-EB
Date Collected: 01/07/21 08:05
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/14/21 15:48	1
Acrolein	ND		20	10	ug/L			01/14/21 15:48	1
Acrylonitrile	ND		10	2.8	ug/L			01/14/21 15:48	1
Benzene	ND		1.0	0.38	ug/L			01/14/21 15:48	1
Bromobenzene	ND		1.0	0.54	ug/L			01/14/21 15:48	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/14/21 15:48	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/14/21 15:48	1
Bromoform	ND		5.0	0.71	ug/L			01/14/21 15:48	1
Bromomethane	ND		1.0	0.98	ug/L			01/14/21 15:48	1
2-Butanone (MEK)	3.3	J	25	2.6	ug/L			01/14/21 15:48	1
Carbon disulfide	ND	*-	1.0	0.50	ug/L			01/14/21 15:48	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/14/21 15:48	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/14/21 15:48	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/14/21 15:48	1
Chloroethane	ND		1.0	0.76	ug/L			01/14/21 15:48	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/14/21 15:48	1
Chloroform	ND		1.0	0.60	ug/L			01/14/21 15:48	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/14/21 15:48	1
Chloromethane	ND		1.0	0.83	ug/L			01/14/21 15:48	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 15:48	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 15:48	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/14/21 15:48	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/14/21 15:48	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/14/21 15:48	1
Dichlorodifluoromethane	ND	*+	1.0	0.85	ug/L			01/14/21 15:48	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/14/21 15:48	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/14/21 15:48	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 15:48	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 15:48	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 15:48	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 15:48	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/14/21 15:48	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/14/21 15:48	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/14/21 15:48	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/14/21 15:48	1
2-Hexanone	ND		25	3.1	ug/L			01/14/21 15:48	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/14/21 15:48	1
Methylene bromide	ND		5.0	0.59	ug/L			01/14/21 15:48	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/14/21 15:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/14/21 15:48	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/14/21 15:48	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/14/21 15:48	1
Naphthalene	ND		1.0	1.0	ug/L			01/14/21 15:48	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/14/21 15:48	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/14/21 15:48	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/14/21 15:48	1
o-Xylene	ND		5.0	0.60	ug/L			01/14/21 15:48	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/14/21 15:48	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/14/21 15:48	1

Client Sample ID: MW12-ROX-010721-EB
Date Collected: 01/07/21 08:05
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/14/21 15:48	1
Styrene	ND		1.0	1.0	ug/L			01/14/21 15:48	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/14/21 15:48	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/14/21 15:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/14/21 15:48	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/14/21 15:48	1
Toluene	ND		1.0	0.41	ug/L			01/14/21 15:48	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 15:48	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 15:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/14/21 15:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/14/21 15:48	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/14/21 15:48	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/14/21 15:48	1
Trichloroethene	ND		1.0	0.50	ug/L			01/14/21 15:48	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/14/21 15:48	1
1,2,3-Trichloropropane	ND	*-	5.0	0.84	ug/L			01/14/21 15:48	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/14/21 15:48	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/14/21 15:48	1
Vinyl acetate	ND		25	2.0	ug/L			01/14/21 15:48	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			01/14/21 15:48	1
Xylenes, Total	ND		10	1.6	ug/L			01/14/21 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*01/14/21 15:48*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*01/14/21 15:48*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*01/14/21 15:48*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.18	0.029	ug/L		01/11/21 09:10	01/13/21 18:08	1
Acenaphthylene	ND		0.18	0.041	ug/L		01/11/21 09:10	01/13/21 18:08	1
Anthracene	ND		0.18	0.029	ug/L		01/11/21 09:10	01/13/21 18:08	1
Benzo[a]anthracene	0.074	J B	0.18	0.042	ug/L		01/11/21 09:10	01/13/21 18:08	1
Benzo[a]pyrene	ND		0.18	0.039	ug/L		01/11/21 09:10	01/13/21 18:08	1
Benzo[b]fluoranthene	0.039	J	0.18	0.031	ug/L		01/11/21 09:10	01/13/21 18:08	1
Benzo[g,h,i]perylene	ND		0.18	0.12	ug/L		01/11/21 09:10	01/13/21 18:08	1
Benzo[k]fluoranthene	ND		0.18	0.092	ug/L		01/11/21 09:10	01/13/21 18:08	1
Chrysene	ND		0.18	0.068	ug/L		01/11/21 09:10	01/13/21 18:08	1
Dibenz(a,h)anthracene	ND		0.18	0.046	ug/L		01/11/21 09:10	01/13/21 18:08	1
Fluoranthene	ND		0.18	0.063	ug/L		01/11/21 09:10	01/13/21 18:08	1
Fluorene	ND		0.18	0.10	ug/L		01/11/21 09:10	01/13/21 18:08	1
Indeno[1,2,3-cd]pyrene	ND		0.18	0.040	ug/L		01/11/21 09:10	01/13/21 18:08	1
1-Methylnaphthalene	ND		0.18	0.068	ug/L		01/11/21 09:10	01/13/21 18:08	1
2-Methylnaphthalene	ND		0.18	0.055	ug/L		01/11/21 09:10	01/13/21 18:08	1
Phenanthrene	ND		0.18	0.033	ug/L		01/11/21 09:10	01/13/21 18:08	1
Pyrene	ND		0.18	0.037	ug/L		01/11/21 09:10	01/13/21 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*15 - 122*	*01/11/21 09:10*	*01/13/21 18:08*	*1*
Nitrobenzene-d5	*81*		*19 - 130*	*01/11/21 09:10*	*01/13/21 18:08*	*1*

Client Sample ID: MW12-ROX-010721-EB
Date Collected: 01/07/21 08:05
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	*85*		*33 - 138*	*01/11/21 09:10*	*01/13/21 16:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.2	3.5	ug/L		01/11/21 09:10	01/12/21 23:36	1
Benzenethiol	ND		9.2	1.6	ug/L		01/11/21 09:10	01/12/21 23:36	1
Benzoic acid	ND		28	6.7	ug/L		01/11/21 09:10	01/12/21 23:36	1
Benzyl alcohol	ND		9.2	1.8	ug/L		01/11/21 09:10	01/12/21 23:36	1
Bis(2-chloroethoxy)methane	ND		9.2	0.15	ug/L		01/11/21 09:10	01/12/21 23:36	1
Bis(2-chloroethyl)ether	ND		9.2	2.5	ug/L		01/11/21 09:10	01/12/21 23:36	1
bis (2-chloroisopropyl) ether	ND		9.2	0.15	ug/L		01/11/21 09:10	01/12/21 23:36	1
Bis(2-ethylhexyl) phthalate	ND		9.2	4.6	ug/L		01/11/21 09:10	01/12/21 23:36	1
4-Bromophenyl phenyl ether	ND		9.2	0.18	ug/L		01/11/21 09:10	01/12/21 23:36	1
Butyl benzyl phthalate	ND		9.2	0.17	ug/L		01/11/21 09:10	01/12/21 23:36	1
4-Chloroaniline	ND		9.2	3.1	ug/L		01/11/21 09:10	01/12/21 23:36	1
4-Chloro-3-methylphenol	ND		9.2	3.5	ug/L		01/11/21 09:10	01/12/21 23:36	1
2-Chloronaphthalene	ND		9.2	0.13	ug/L		01/11/21 09:10	01/12/21 23:36	1
2-Chlorophenol	ND		9.2	2.0	ug/L		01/11/21 09:10	01/12/21 23:36	1
4-Chlorophenyl phenyl ether	ND		9.2	1.8	ug/L		01/11/21 09:10	01/12/21 23:36	1
Dibenz[a,h]acridine	ND		9.2	0.92	ug/L		01/11/21 09:10	01/12/21 23:36	1
Dibenzofuran	ND		9.2	0.16	ug/L		01/11/21 09:10	01/12/21 23:36	1
3,3'-Dichlorobenzidine	ND		9.2	2.4	ug/L		01/11/21 09:10	01/12/21 23:36	1
2,4-Dichlorophenol	ND		9.2	2.8	ug/L		01/11/21 09:10	01/12/21 23:36	1
Diethyl phthalate	ND		9.2	0.22	ug/L		01/11/21 09:10	01/12/21 23:36	1
2,4-Dimethylphenol	ND		9.2	3.2	ug/L		01/11/21 09:10	01/12/21 23:36	1
Dimethyl phthalate	ND		9.2	0.16	ug/L		01/11/21 09:10	01/12/21 23:36	1
Di-n-butyl phthalate	ND		9.2	2.5	ug/L		01/11/21 09:10	01/12/21 23:36	1
4,6-Dinitro-ortho-cresol	ND		9.2	1.5	ug/L		01/11/21 09:10	01/12/21 23:36	1
2,4-Dinitrophenol	ND		28	3.1	ug/L		01/11/21 09:10	01/12/21 23:36	1
2,4-Dinitrotoluene	ND		9.2	1.7	ug/L		01/11/21 09:10	01/12/21 23:36	1
2,6-Dinitrotoluene	ND		9.2	1.7	ug/L		01/11/21 09:10	01/12/21 23:36	1
Di-n-octyl phthalate	ND		9.2	0.16	ug/L		01/11/21 09:10	01/12/21 23:36	1
1,4-Dioxane	ND		9.2	0.92	ug/L		01/11/21 09:10	01/12/21 23:36	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.2	0.92	ug/L		01/11/21 09:10	01/12/21 23:36	1
Hexachlorobenzene	ND		9.2	0.16	ug/L		01/11/21 09:10	01/12/21 23:36	1
Hexachlorocyclopentadiene	ND		18	2.4	ug/L		01/11/21 09:10	01/12/21 23:36	1
Hexachloroethane	ND		9.2	3.9	ug/L		01/11/21 09:10	01/12/21 23:36	1
Indene	ND		9.2	0.92	ug/L		01/11/21 09:10	01/12/21 23:36	1
Isophorone	ND		9.2	0.13	ug/L		01/11/21 09:10	01/12/21 23:36	1
2-Methylphenol	ND		9.2	1.7	ug/L		01/11/21 09:10	01/12/21 23:36	1
3 & 4 Methylphenol	ND		18	0.36	ug/L		01/11/21 09:10	01/12/21 23:36	1
2-Nitroaniline	ND		9.2	2.0	ug/L		01/11/21 09:10	01/12/21 23:36	1
3-Nitroaniline	ND		9.2	1.7	ug/L		01/11/21 09:10	01/12/21 23:36	1
4-Nitroaniline	ND		9.2	1.4	ug/L		01/11/21 09:10	01/12/21 23:36	1
Nitrobenzene	ND		9.2	0.12	ug/L		01/11/21 09:10	01/12/21 23:36	1
2-Nitrophenol	ND		9.2	4.8	ug/L		01/11/21 09:10	01/12/21 23:36	1
4-Nitrophenol	ND		9.2	1.9	ug/L		01/11/21 09:10	01/12/21 23:36	1
N-Nitrosodimethylamine	ND		9.2	3.2	ug/L		01/11/21 09:10	01/12/21 23:36	1

Client Sample ID: MW12-ROX-010721-EB
Date Collected: 01/07/21 08:05
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.2	3.0	ug/L		01/11/21 09:10	01/12/21 23:36	1
N-Nitrosodiphenylamine	ND		9.2	0.17	ug/L		01/11/21 09:10	01/12/21 23:36	1
Pentachlorophenol	ND		18	1.3	ug/L		01/11/21 09:10	01/12/21 23:36	1
Phenol	ND		9.2	2.4	ug/L		01/11/21 09:10	01/12/21 23:36	1
Pyridine	ND		9.2	2.9	ug/L		01/11/21 09:10	01/12/21 23:36	1
Quinoline	ND		9.2	4.1	ug/L		01/11/21 09:10	01/12/21 23:36	1
2,4,5-Trichlorophenol	ND		9.2	3.4	ug/L		01/11/21 09:10	01/12/21 23:36	1
2,4,6-Trichlorophenol	ND		9.2	3.2	ug/L		01/11/21 09:10	01/12/21 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*46 - 124*	*01/11/21 09:10*	*01/12/21 23:36*	*1*
2-Fluorophenol	*34*		*13 - 113*	*01/11/21 09:10*	*01/12/21 23:36*	*1*
Nitrobenzene-d5	*62*		*36 - 126*	*01/11/21 09:10*	*01/12/21 23:36*	*1*
Phenol-d5	*53*		*17 - 127*	*01/11/21 09:10*	*01/12/21 23:36*	*1*
Terphenyl-d14	*64*		*44 - 149*	*01/11/21 09:10*	*01/12/21 23:36*	*1*
2,4,6-Tribromophenol	*55*		*26 - 150*	*01/11/21 09:10*	*01/12/21 23:36*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/11/21 12:14	01/11/21 19:57	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/11/21 12:14	01/11/21 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*	*p*	*51 - 149*	*01/11/21 12:14*	*01/11/21 19:57*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198004-1

Client Sample ID: MW12-ROX-010721
Date Collected: 01/07/21 11:15
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/14/21 10:33	1
Acrolein	ND		20	10	ug/L			01/14/21 10:33	1
Acrylonitrile	ND		10	2.8	ug/L			01/14/21 10:33	1
Benzene	ND		1.0	0.38	ug/L			01/14/21 10:33	1
Bromobenzene	ND		1.0	0.54	ug/L			01/14/21 10:33	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/14/21 10:33	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/14/21 10:33	1
Bromoform	ND		5.0	0.71	ug/L			01/14/21 10:33	1
Bromomethane	ND		1.0	0.98	ug/L			01/14/21 10:33	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/14/21 10:33	1
Carbon disulfide	ND	*-	1.0	0.50	ug/L			01/14/21 10:33	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/14/21 10:33	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/14/21 10:33	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/14/21 10:33	1
Chloroethane	ND		1.0	0.76	ug/L			01/14/21 10:33	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			01/14/21 10:33	1
Chloroform	ND		1.0	0.60	ug/L			01/14/21 10:33	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/14/21 10:33	1
Chloromethane	ND		1.0	0.83	ug/L			01/14/21 10:33	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 10:33	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 10:33	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/14/21 10:33	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/14/21 10:33	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/14/21 10:33	1
Dichlorodifluoromethane	ND	*+	1.0	0.85	ug/L			01/14/21 10:33	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/14/21 10:33	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/14/21 10:33	1
1,1-Dichloroethene	ND	UJ	1.0	0.50	ug/L			01/14/21 10:33	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 10:33	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 10:33	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 10:33	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/14/21 10:33	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/14/21 10:33	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/14/21 10:33	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/14/21 10:33	1
2-Hexanone	ND		25	3.1	ug/L			01/14/21 10:33	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/14/21 10:33	1
Methylene bromide	ND		5.0	0.59	ug/L			01/14/21 10:33	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/14/21 10:33	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/14/21 10:33	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/14/21 10:33	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/14/21 10:33	1
Naphthalene	ND		1.0	1.0	ug/L			01/14/21 10:33	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/14/21 10:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/14/21 10:33	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/14/21 10:33	1
o-Xylene	ND		5.0	0.60	ug/L			01/14/21 10:33	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/14/21 10:33	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/14/21 10:33	1

Client Sample ID: MW12-ROX-010721
Date Collected: 01/07/21 11:15
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/14/21 10:33	1
Styrene	ND		1.0	1.0	ug/L			01/14/21 10:33	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/14/21 10:33	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/14/21 10:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/14/21 10:33	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/14/21 10:33	1
Toluene	ND		1.0	0.41	ug/L			01/14/21 10:33	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 10:33	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 10:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/14/21 10:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/14/21 10:33	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/14/21 10:33	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/14/21 10:33	1
Trichloroethene	ND		1.0	0.50	ug/L			01/14/21 10:33	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/14/21 10:33	1
1,2,3-Trichloropropane	ND	*-	5.0	0.84	ug/L			01/14/21 10:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/14/21 10:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/14/21 10:33	1
Vinyl acetate	ND		25	2.0	ug/L			01/14/21 10:33	1
Vinyl chloride	ND	F1 *+	1.0	0.50	ug/L			01/14/21 10:33	1
Xylenes, Total	ND		10	1.6	ug/L			01/14/21 10:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*01/14/21 10:33*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/14/21 10:33*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*01/14/21 10:33*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.21	0.034	ug/L		01/11/21 09:10	01/13/21 18:24	1
Acenaphthylene	ND		0.21	0.048	ug/L		01/11/21 09:10	01/13/21 18:24	1
Anthracene	ND		0.21	0.034	ug/L		01/11/21 09:10	01/13/21 18:24	1
Benzo[a]anthracene	~~0.092~~	J B U	0.21	0.049	ug/L		01/11/21 09:10	01/13/21 18:24	1
Benzo[a]pyrene	0.13	J	0.21	0.045	ug/L		01/11/21 09:10	01/13/21 18:24	1
Benzo[b]fluoranthene	~~0.086~~	J U	0.21	0.037	ug/L		01/11/21 09:10	01/13/21 18:24	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		01/11/21 09:10	01/13/21 18:24	1
Benzo[k]fluoranthene	ND		0.21	0.11	ug/L		01/11/21 09:10	01/13/21 18:24	1
Chrysene	ND		0.21	0.079	ug/L		01/11/21 09:10	01/13/21 18:24	1
Dibenz(a,h)anthracene	ND		0.21	0.054	ug/L		01/11/21 09:10	01/13/21 18:24	1
Fluoranthene	0.085	J	0.21	0.073	ug/L		01/11/21 09:10	01/13/21 18:24	1
Fluorene	ND		0.21	0.12	ug/L		01/11/21 09:10	01/13/21 18:24	1
Indeno[1,2,3-cd]pyrene	~~0.086~~	J B U	0.21	0.046	ug/L		01/11/21 09:10	01/13/21 18:24	1
1-Methylnaphthalene	ND		0.21	0.079	ug/L		01/11/21 09:10	01/13/21 18:24	1
2-Methylnaphthalene	ND		0.21	0.064	ug/L		01/11/21 09:10	01/13/21 18:24	1
Phenanthrene	ND		0.21	0.039	ug/L		01/11/21 09:10	01/13/21 18:24	1
Pyrene	ND		0.21	0.043	ug/L		01/11/21 09:10	01/13/21 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*96*		*15 - 122*	*01/11/21 09:10*	*01/13/21 18:24*	*1*
Nitrobenzene-d5	*96*		*19 - 130*	*01/11/21 09:10*	*01/13/21 18:24*	*1*

Client Sample ID: MW12-ROX-010721
Date Collected: 01/07/21 11:15
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-4
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*77*		*33 - 138*	*01/11/21 09:10*	*01/13/21 18:24*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		11	4.1	ug/L		01/11/21 09:10	01/12/21 23:57	1
Benzenethiol	ND		11	1.8	ug/L		01/11/21 09:10	01/12/21 23:57	1
Benzoic acid	ND		32	7.8	ug/L		01/11/21 09:10	01/12/21 23:57	1
Benzyl alcohol	ND		11	2.1	ug/L		01/11/21 09:10	01/12/21 23:57	1
Bis(2-chloroethoxy)methane	ND		11	0.17	ug/L		01/11/21 09:10	01/12/21 23:57	1
Bis(2-chloroethyl)ether	ND		11	2.9	ug/L		01/11/21 09:10	01/12/21 23:57	1
bis (2-chloroisopropyl) ether	ND		11	0.17	ug/L		01/11/21 09:10	01/12/21 23:57	1
Bis(2-ethylhexyl) phthalate	ND		11	5.4	ug/L		01/11/21 09:10	01/12/21 23:57	1
4-Bromophenyl phenyl ether	ND		11	0.21	ug/L		01/11/21 09:10	01/12/21 23:57	1
Butyl benzyl phthalate	ND		11	0.20	ug/L		01/11/21 09:10	01/12/21 23:57	1
4-Chloroaniline	ND		11	3.7	ug/L		01/11/21 09:10	01/12/21 23:57	1
4-Chloro-3-methylphenol	ND		11	4.1	ug/L		01/11/21 09:10	01/12/21 23:57	1
2-Chloronaphthalene	ND		11	0.15	ug/L		01/11/21 09:10	01/12/21 23:57	1
2-Chlorophenol	ND		11	2.4	ug/L		01/11/21 09:10	01/12/21 23:57	1
4-Chlorophenyl phenyl ether	ND		11	2.1	ug/L		01/11/21 09:10	01/12/21 23:57	1
Dibenz[a,h]acridine	ND		11	1.1	ug/L		01/11/21 09:10	01/12/21 23:57	1
Dibenzofuran	ND		11	0.18	ug/L		01/11/21 09:10	01/12/21 23:57	1
3,3'-Dichlorobenzidine	ND		11	2.8	ug/L		01/11/21 09:10	01/12/21 23:57	1
2,4-Dichlorophenol	ND		11	3.2	ug/L		01/11/21 09:10	01/12/21 23:57	1
Diethyl phthalate	ND		11	0.26	ug/L		01/11/21 09:10	01/12/21 23:57	1
2,4-Dimethylphenol	ND		11	3.8	ug/L		01/11/21 09:10	01/12/21 23:57	1
Dimethyl phthalate	ND		11	0.18	ug/L		01/11/21 09:10	01/12/21 23:57	1
Di-n-butyl phthalate	ND		11	2.9	ug/L		01/11/21 09:10	01/12/21 23:57	1
4,6-Dinitro-ortho-cresol	ND		11	1.7	ug/L		01/11/21 09:10	01/12/21 23:57	1
2,4-Dinitrophenol	ND		32	3.7	ug/L		01/11/21 09:10	01/12/21 23:57	1
2,4-Dinitrotoluene	ND		11	2.0	ug/L		01/11/21 09:10	01/12/21 23:57	1
2,6-Dinitrotoluene	ND		11	2.0	ug/L		01/11/21 09:10	01/12/21 23:57	1
Di-n-octyl phthalate	ND		11	0.18	ug/L		01/11/21 09:10	01/12/21 23:57	1
1,4-Dioxane	ND		11	1.1	ug/L		01/11/21 09:10	01/12/21 23:57	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		11	1.1	ug/L		01/11/21 09:10	01/12/21 23:57	1
Hexachlorobenzene	ND		11	0.18	ug/L		01/11/21 09:10	01/12/21 23:57	1
Hexachlorocyclopentadiene	ND		21	2.8	ug/L		01/11/21 09:10	01/12/21 23:57	1
Hexachloroethane	ND		11	4.5	ug/L		01/11/21 09:10	01/12/21 23:57	1
Indene	ND		11	1.1	ug/L		01/11/21 09:10	01/12/21 23:57	1
Isophorone	ND		11	0.15	ug/L		01/11/21 09:10	01/12/21 23:57	1
2-Methylphenol	ND		11	1.9	ug/L		01/11/21 09:10	01/12/21 23:57	1
3 & 4 Methylphenol	ND		21	0.42	ug/L		01/11/21 09:10	01/12/21 23:57	1
2-Nitroaniline	ND		11	2.4	ug/L		01/11/21 09:10	01/12/21 23:57	1
3-Nitroaniline	ND		11	1.9	ug/L		01/11/21 09:10	01/12/21 23:57	1
4-Nitroaniline	ND		11	1.6	ug/L		01/11/21 09:10	01/12/21 23:57	1
Nitrobenzene	ND		11	0.14	ug/L		01/11/21 09:10	01/12/21 23:57	1
2-Nitrophenol	ND		11	5.6	ug/L		01/11/21 09:10	01/12/21 23:57	1
4-Nitrophenol	ND		11	2.3	ug/L		01/11/21 09:10	01/12/21 23:57	1
N-Nitrosodimethylamine	ND		11	3.8	ug/L		01/11/21 09:10	01/12/21 23:57	1

Client Sample ID: MW12-ROX-010721
Date Collected: 01/07/21 11:15
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		11	3.5	ug/L		01/11/21 09:10	01/12/21 23:57	1
N-Nitrosodiphenylamine	ND		11	0.19	ug/L		01/11/21 09:10	01/12/21 23:57	1
Pentachlorophenol	ND		21	1.5	ug/L		01/11/21 09:10	01/12/21 23:57	1
Phenol	ND		11	2.8	ug/L		01/11/21 09:10	01/12/21 23:57	1
Pyridine	ND		11	3.4	ug/L		01/11/21 09:10	01/12/21 23:57	1
Quinoline	ND		11	4.8	ug/L		01/11/21 09:10	01/12/21 23:57	1
2,4,5-Trichlorophenol	ND		11	4.0	ug/L		01/11/21 09:10	01/12/21 23:57	1
2,4,6-Trichlorophenol	ND		11	3.8	ug/L		01/11/21 09:10	01/12/21 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*46 - 124*	*01/11/21 09:10*	*01/12/21 23:57*	*1*
2-Fluorophenol	*44*		*13 - 113*	*01/11/21 09:10*	*01/12/21 23:57*	*1*
Nitrobenzene-d5	*71*		*36 - 126*	*01/11/21 09:10*	*01/12/21 23:57*	*1*
Phenol-d5	*58*		*17 - 127*	*01/11/21 09:10*	*01/12/21 23:57*	*1*
Terphenyl-d14	*52*		*44 - 149*	*01/11/21 09:10*	*01/12/21 23:57*	*1*
2,4,6-Tribromophenol	*52*		*26 - 150*	*01/11/21 09:10*	*01/12/21 23:57*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.0059	ug/L		01/11/21 12:14	01/11/21 20:16	1
1,2-Dibromoethane	ND		0.021	0.0053	ug/L		01/11/21 12:14	01/11/21 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*51 - 149*	*01/11/21 12:14*	*01/11/21 20:16*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198004-1

Client Sample ID: TB-ROX-010721-8011-B
Date Collected: 01/07/21 00:00
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-5
Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.033	0.0060	ug/L		01/11/21 12:14	01/11/21 20:36	1
1,2-Dibromoethane	ND		0.022	0.0055	ug/L		01/11/21 12:14	01/11/21 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*	*p*	*51 - 149*	*01/11/21 12:14*	*01/11/21 20:36*	*1*

Client Sample ID: TB-ROX-010721-8260-B
Date Collected: 01/07/21 00:00
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/14/21 17:06	1
Acrolein	ND		20	10	ug/L			01/14/21 17:06	1
Acrylonitrile	ND		10	2.8	ug/L			01/14/21 17:06	1
Benzene	ND		1.0	0.38	ug/L			01/14/21 17:06	1
Bromobenzene	ND		1.0	0.54	ug/L			01/14/21 17:06	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/14/21 17:06	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/14/21 17:06	1
Bromoform	ND		5.0	0.71	ug/L			01/14/21 17:06	1
Bromomethane	ND		1.0	0.98	ug/L			01/14/21 17:06	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/14/21 17:06	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/14/21 17:06	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/14/21 17:06	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/14/21 17:06	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/14/21 17:06	1
Chloroethane	ND		1.0	0.76	ug/L			01/14/21 17:06	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/14/21 17:06	1
Chloroform	ND		1.0	0.60	ug/L			01/14/21 17:06	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/14/21 17:06	1
Chloromethane	ND		1.0	0.83	ug/L			01/14/21 17:06	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 17:06	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 17:06	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/14/21 17:06	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/14/21 17:06	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/14/21 17:06	1
Dichlorodifluoromethane	ND	*+	1.0	0.85	ug/L			01/14/21 17:06	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			01/14/21 17:06	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/14/21 17:06	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 17:06	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			01/14/21 17:06	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 17:06	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 17:06	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/14/21 17:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/14/21 17:06	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/14/21 17:06	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/14/21 17:06	1
2-Hexanone	ND		25	3.1	ug/L			01/14/21 17:06	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/14/21 17:06	1
Methylene bromide	ND		5.0	0.59	ug/L			01/14/21 17:06	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/14/21 17:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/14/21 17:06	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/14/21 17:06	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/14/21 17:06	1
Naphthalene	ND		1.0	1.0	ug/L			01/14/21 17:06	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/14/21 17:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/14/21 17:06	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/14/21 17:06	1
o-Xylene	ND		5.0	0.60	ug/L			01/14/21 17:06	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/14/21 17:06	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/14/21 17:06	1

Client Sample ID: TB-ROX-010721-8260-B
Date Collected: 01/07/21 00:00
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/14/21 17:06	1
Styrene	ND		1.0	1.0	ug/L			01/14/21 17:06	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/14/21 17:06	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/14/21 17:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/14/21 17:06	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/14/21 17:06	1
Toluene	ND		1.0	0.41	ug/L			01/14/21 17:06	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 17:06	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 17:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/14/21 17:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/14/21 17:06	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/14/21 17:06	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/14/21 17:06	1
Trichloroethene	ND		1.0	0.50	ug/L			01/14/21 17:06	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/14/21 17:06	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/14/21 17:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/14/21 17:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/14/21 17:06	1
Vinyl acetate	ND		25	2.0	ug/L			01/14/21 17:06	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			01/14/21 17:06	1
Xylenes, Total	ND		10	1.6	ug/L			01/14/21 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*01/14/21 17:06*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*01/14/21 17:06*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*01/14/21 17:06*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198004-1

Client Sample ID: MW6A-ROX-010721-EB
Date Collected: 01/07/21 07:45
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/14/21 17:33	1
Acrolein	ND		20	10	ug/L			01/14/21 17:33	1
Acrylonitrile	ND		10	2.8	ug/L			01/14/21 17:33	1
Benzene	ND		1.0	0.38	ug/L			01/14/21 17:33	1
Bromobenzene	ND		1.0	0.54	ug/L			01/14/21 17:33	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/14/21 17:33	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/14/21 17:33	1
Bromoform	ND		5.0	0.71	ug/L			01/14/21 17:33	1
Bromomethane	ND		1.0	0.98	ug/L			01/14/21 17:33	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/14/21 17:33	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/14/21 17:33	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/14/21 17:33	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/14/21 17:33	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/14/21 17:33	1
Chloroethane	ND		1.0	0.76	ug/L			01/14/21 17:33	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/14/21 17:33	1
Chloroform	ND		1.0	0.60	ug/L			01/14/21 17:33	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/14/21 17:33	1
Chloromethane	ND		1.0	0.83	ug/L			01/14/21 17:33	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 17:33	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 17:33	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/14/21 17:33	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/14/21 17:33	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/14/21 17:33	1
Dichlorodifluoromethane	ND	*+	1.0	0.85	ug/L			01/14/21 17:33	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			01/14/21 17:33	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/14/21 17:33	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 17:33	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			01/14/21 17:33	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 17:33	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 17:33	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/14/21 17:33	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/14/21 17:33	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/14/21 17:33	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/14/21 17:33	1
2-Hexanone	ND		25	3.1	ug/L			01/14/21 17:33	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/14/21 17:33	1
Methylene bromide	ND		5.0	0.59	ug/L			01/14/21 17:33	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/14/21 17:33	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/14/21 17:33	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/14/21 17:33	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/14/21 17:33	1
Naphthalene	ND		1.0	1.0	ug/L			01/14/21 17:33	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/14/21 17:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/14/21 17:33	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/14/21 17:33	1
o-Xylene	ND		5.0	0.60	ug/L			01/14/21 17:33	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/14/21 17:33	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/14/21 17:33	1

Client Sample ID: MW6A-ROX-010721-EB
Date Collected: 01/07/21 07:45
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/14/21 17:33	1
Styrene	ND		1.0	1.0	ug/L			01/14/21 17:33	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/14/21 17:33	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/14/21 17:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/14/21 17:33	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/14/21 17:33	1
Toluene	ND		1.0	0.41	ug/L			01/14/21 17:33	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 17:33	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 17:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/14/21 17:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/14/21 17:33	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/14/21 17:33	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/14/21 17:33	1
Trichloroethene	ND		1.0	0.50	ug/L			01/14/21 17:33	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/14/21 17:33	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/14/21 17:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/14/21 17:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/14/21 17:33	1
Vinyl acetate	ND		25	2.0	ug/L			01/14/21 17:33	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			01/14/21 17:33	1
Xylenes, Total	ND		10	1.6	ug/L			01/14/21 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*01/14/21 17:33*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*01/14/21 17:33*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*01/14/21 17:33*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.030	ug/L		01/11/21 09:10	01/13/21 18:39	1
Acenaphthylene	ND		0.19	0.042	ug/L		01/11/21 09:10	01/13/21 18:39	1
Anthracene	ND		0.19	0.030	ug/L		01/11/21 09:10	01/13/21 18:39	1
Benzo[a]anthracene	0.063	J B	0.19	0.043	ug/L		01/11/21 09:10	01/13/21 18:39	1
Benzo[a]pyrene	ND		0.19	0.039	ug/L		01/11/21 09:10	01/13/21 18:39	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		01/11/21 09:10	01/13/21 18:39	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/11/21 09:10	01/13/21 18:39	1
Benzo[k]fluoranthene	ND		0.19	0.093	ug/L		01/11/21 09:10	01/13/21 18:39	1
Chrysene	ND		0.19	0.069	ug/L		01/11/21 09:10	01/13/21 18:39	1
Dibenz(a,h)anthracene	ND		0.19	0.047	ug/L		01/11/21 09:10	01/13/21 18:39	1
Fluoranthene	ND		0.19	0.064	ug/L		01/11/21 09:10	01/13/21 18:39	1
Fluorene	ND		0.19	0.10	ug/L		01/11/21 09:10	01/13/21 18:39	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.040	ug/L		01/11/21 09:10	01/13/21 18:39	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		01/11/21 09:10	01/13/21 18:39	1
2-Methylnaphthalene	ND		0.19	0.056	ug/L		01/11/21 09:10	01/13/21 18:39	1
Phenanthrene	ND		0.19	0.034	ug/L		01/11/21 09:10	01/13/21 18:39	1
Pyrene	ND		0.19	0.037	ug/L		01/11/21 09:10	01/13/21 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*15 - 122*	*01/11/21 09:10*	*01/13/21 18:39*	*1*
Nitrobenzene-d5	*89*		*19 - 130*	*01/11/21 09:10*	*01/13/21 18:39*	*1*

Client Sample ID: MW6A-ROX-010721-EB
Date Collected: 01/07/21 07:45
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-7
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*106*		*33 - 138*	*01/11/21 09:10*	*01/13/21 18:39*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.3	3.6	ug/L		01/11/21 09:10	01/13/21 16:18	1
Benzenethiol	ND		9.3	1.6	ug/L		01/11/21 09:10	01/13/21 16:18	1
Benzoic acid	ND		28	6.8	ug/L		01/11/21 09:10	01/13/21 16:18	1
Benzyl alcohol	ND		9.3	1.9	ug/L		01/11/21 09:10	01/13/21 16:18	1
Bis(2-chloroethoxy)methane	ND		9.3	0.15	ug/L		01/11/21 09:10	01/13/21 16:18	1
Bis(2-chloroethyl)ether	ND		9.3	2.5	ug/L		01/11/21 09:10	01/13/21 16:18	1
bis (2-chloroisopropyl) ether	ND		9.3	0.15	ug/L		01/11/21 09:10	01/13/21 16:18	1
Bis(2-ethylhexyl) phthalate	ND		9.3	4.7	ug/L		01/11/21 09:10	01/13/21 16:18	1
4-Bromophenyl phenyl ether	ND		9.3	0.19	ug/L		01/11/21 09:10	01/13/21 16:18	1
Butyl benzyl phthalate	ND		9.3	0.18	ug/L		01/11/21 09:10	01/13/21 16:18	1
4-Chloroaniline	ND		9.3	3.2	ug/L		01/11/21 09:10	01/13/21 16:18	1
4-Chloro-3-methylphenol	ND		9.3	3.6	ug/L		01/11/21 09:10	01/13/21 16:18	1
2-Chloronaphthalene	ND		9.3	0.13	ug/L		01/11/21 09:10	01/13/21 16:18	1
2-Chlorophenol	ND		9.3	2.1	ug/L		01/11/21 09:10	01/13/21 16:18	1
4-Chlorophenyl phenyl ether	ND		9.3	1.9	ug/L		01/11/21 09:10	01/13/21 16:18	1
Dibenz[a,h]acridine	ND		9.3	0.93	ug/L		01/11/21 09:10	01/13/21 16:18	1
Dibenzofuran	ND		9.3	0.16	ug/L		01/11/21 09:10	01/13/21 16:18	1
3,3'-Dichlorobenzidine	ND		9.3	2.4	ug/L		01/11/21 09:10	01/13/21 16:18	1
2,4-Dichlorophenol	ND		9.3	2.8	ug/L		01/11/21 09:10	01/13/21 16:18	1
Diethyl phthalate	ND		9.3	0.22	ug/L		01/11/21 09:10	01/13/21 16:18	1
2,4-Dimethylphenol	ND		9.3	3.3	ug/L		01/11/21 09:10	01/13/21 16:18	1
Dimethyl phthalate	ND		9.3	0.16	ug/L		01/11/21 09:10	01/13/21 16:18	1
Di-n-butyl phthalate	ND		9.3	2.5	ug/L		01/11/21 09:10	01/13/21 16:18	1
4,6-Dinitro-ortho-cresol	ND		9.3	1.5	ug/L		01/11/21 09:10	01/13/21 16:18	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		01/11/21 09:10	01/13/21 16:18	1
2,4-Dinitrotoluene	ND		9.3	1.8	ug/L		01/11/21 09:10	01/13/21 16:18	1
2,6-Dinitrotoluene	ND		9.3	1.8	ug/L		01/11/21 09:10	01/13/21 16:18	1
Di-n-octyl phthalate	ND		9.3	0.16	ug/L		01/11/21 09:10	01/13/21 16:18	1
1,4-Dioxane	ND		9.3	0.93	ug/L		01/11/21 09:10	01/13/21 16:18	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.3	0.93	ug/L		01/11/21 09:10	01/13/21 16:18	1
Hexachlorobenzene	ND		9.3	0.16	ug/L		01/11/21 09:10	01/13/21 16:18	1
Hexachlorocyclopentadiene	ND		19	2.4	ug/L		01/11/21 09:10	01/13/21 16:18	1
Hexachloroethane	ND		9.3	3.9	ug/L		01/11/21 09:10	01/13/21 16:18	1
Indene	ND		9.3	0.93	ug/L		01/11/21 09:10	01/13/21 16:18	1
Isophorone	ND		9.3	0.13	ug/L		01/11/21 09:10	01/13/21 16:18	1
2-Methylphenol	ND		9.3	1.7	ug/L		01/11/21 09:10	01/13/21 16:18	1
3 & 4 Methylphenol	ND		19	0.36	ug/L		01/11/21 09:10	01/13/21 16:18	1
2-Nitroaniline	ND		9.3	2.1	ug/L		01/11/21 09:10	01/13/21 16:18	1
3-Nitroaniline	ND		9.3	1.7	ug/L		01/11/21 09:10	01/13/21 16:18	1
4-Nitroaniline	ND		9.3	1.4	ug/L		01/11/21 09:10	01/13/21 16:18	1
Nitrobenzene	ND		9.3	0.12	ug/L		01/11/21 09:10	01/13/21 16:18	1
2-Nitrophenol	ND		9.3	4.9	ug/L		01/11/21 09:10	01/13/21 16:18	1
4-Nitrophenol	ND		9.3	2.0	ug/L		01/11/21 09:10	01/13/21 16:18	1
N-Nitrosodimethylamine	ND		9.3	3.3	ug/L		01/11/21 09:10	01/13/21 16:18	1

Client Sample ID: MW6A-ROX-010721-EB
Date Collected: 01/07/21 07:45
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.3	3.1	ug/L		01/11/21 09:10	01/13/21 16:18	1
N-Nitrosodiphenylamine	ND		9.3	0.17	ug/L		01/11/21 09:10	01/13/21 16:18	1
Pentachlorophenol	ND		19	1.3	ug/L		01/11/21 09:10	01/13/21 16:18	1
Phenol	ND		9.3	2.4	ug/L		01/11/21 09:10	01/13/21 16:18	1
Pyridine	ND		9.3	3.0	ug/L		01/11/21 09:10	01/13/21 16:18	1
Quinoline	ND		9.3	4.2	ug/L		01/11/21 09:10	01/13/21 16:18	1
2,4,5-Trichlorophenol	ND		9.3	3.5	ug/L		01/11/21 09:10	01/13/21 16:18	1
2,4,6-Trichlorophenol	ND		9.3	3.3	ug/L		01/11/21 09:10	01/13/21 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*46 - 124*	*01/11/21 09:10*	*01/13/21 16:18*	*1*
2-Fluorophenol	*60*		*13 - 113*	*01/11/21 09:10*	*01/13/21 16:18*	*1*
Nitrobenzene-d5	*83*		*36 - 126*	*01/11/21 09:10*	*01/13/21 16:18*	*1*
Phenol-d5	*88*		*17 - 127*	*01/11/21 09:10*	*01/13/21 16:18*	*1*
Terphenyl-d14	*86*		*44 - 149*	*01/11/21 09:10*	*01/13/21 16:18*	*1*
2,4,6-Tribromophenol	*68*		*26 - 150*	*01/11/21 09:10*	*01/13/21 16:18*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/11/21 12:14	01/11/21 21:15	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/11/21 12:14	01/11/21 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*	*p*	*51 - 149*	*01/11/21 12:14*	*01/11/21 21:15*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198004-1

Client Sample ID: MW6A-ROX-010721
Date Collected: 01/07/21 10:55
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/14/21 17:59	1
Acrolein	ND		20	10	ug/L			01/14/21 17:59	1
Acrylonitrile	ND		10	2.8	ug/L			01/14/21 17:59	1
Benzene	0.38	J	1.0	0.38	ug/L			01/14/21 17:59	1
Bromobenzene	ND		1.0	0.54	ug/L			01/14/21 17:59	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/14/21 17:59	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/14/21 17:59	1
Bromoform	ND		5.0	0.71	ug/L			01/14/21 17:59	1
Bromomethane	ND		1.0	0.98	ug/L			01/14/21 17:59	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/14/21 17:59	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/14/21 17:59	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/14/21 17:59	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/14/21 17:59	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/14/21 17:59	1
Chloroethane	ND		1.0	0.76	ug/L			01/14/21 17:59	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/14/21 17:59	1
Chloroform	ND		1.0	0.60	ug/L			01/14/21 17:59	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/14/21 17:59	1
Chloromethane	ND		1.0	0.83	ug/L			01/14/21 17:59	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 17:59	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 17:59	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/14/21 17:59	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/14/21 17:59	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/14/21 17:59	1
Dichlorodifluoromethane	ND	*+	1.0	0.85	ug/L			01/14/21 17:59	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			01/14/21 17:59	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/14/21 17:59	1
1,1-Dichloroethene	ND	UJ	1.0	0.50	ug/L			01/14/21 17:59	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			01/14/21 17:59	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 17:59	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 17:59	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/14/21 17:59	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/14/21 17:59	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/14/21 17:59	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/14/21 17:59	1
2-Hexanone	ND		25	3.1	ug/L			01/14/21 17:59	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/14/21 17:59	1
Methylene bromide	ND		5.0	0.59	ug/L			01/14/21 17:59	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/14/21 17:59	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/14/21 17:59	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/14/21 17:59	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/14/21 17:59	1
Naphthalene	ND		1.0	1.0	ug/L			01/14/21 17:59	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/14/21 17:59	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/14/21 17:59	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/14/21 17:59	1
o-Xylene	ND		5.0	0.60	ug/L			01/14/21 17:59	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/14/21 17:59	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/14/21 17:59	1

Client Sample ID: MW6A-ROX-010721
Date Collected: 01/07/21 10:55
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/14/21 17:59	1
Styrene	ND		1.0	1.0	ug/L			01/14/21 17:59	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/14/21 17:59	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/14/21 17:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/14/21 17:59	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/14/21 17:59	1
Toluene	ND		1.0	0.41	ug/L			01/14/21 17:59	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 17:59	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 17:59	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/14/21 17:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/14/21 17:59	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/14/21 17:59	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/14/21 17:59	1
Trichloroethene	ND		1.0	0.50	ug/L			01/14/21 17:59	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/14/21 17:59	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/14/21 17:59	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/14/21 17:59	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/14/21 17:59	1
Vinyl acetate	ND		25	2.0	ug/L			01/14/21 17:59	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			01/14/21 17:59	1
Xylenes, Total	ND		10	1.6	ug/L			01/14/21 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*01/14/21 17:59*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*01/14/21 17:59*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*01/14/21 17:59*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.21	0.033	ug/L		01/11/21 09:10	01/13/21 18:55	1
Acenaphthylene	ND		0.21	0.046	ug/L		01/11/21 09:10	01/13/21 18:55	1
Anthracene	ND		0.21	0.033	ug/L		01/11/21 09:10	01/13/21 18:55	1
Benzo[a]anthracene	ND		0.21	0.047	ug/L		01/11/21 09:10	01/13/21 18:55	1
Benzo[a]pyrene	ND		0.21	0.043	ug/L		01/11/21 09:10	01/13/21 18:55	1
Benzo[b]fluoranthene	ND		0.21	0.035	ug/L		01/11/21 09:10	01/13/21 18:55	1
Benzo[g,h,i]perylene	ND		0.21	0.13	ug/L		01/11/21 09:10	01/13/21 18:55	1
Benzo[k]fluoranthene	ND		0.21	0.10	ug/L		01/11/21 09:10	01/13/21 18:55	1
Chrysene	ND		0.21	0.076	ug/L		01/11/21 09:10	01/13/21 18:55	1
Dibenz(a,h)anthracene	ND		0.21	0.051	ug/L		01/11/21 09:10	01/13/21 18:55	1
Fluoranthene	ND		0.21	0.070	ug/L		01/11/21 09:10	01/13/21 18:55	1
Fluorene	ND		0.21	0.11	ug/L		01/11/21 09:10	01/13/21 18:55	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.044	ug/L		01/11/21 09:10	01/13/21 18:55	1
1-Methylnaphthalene	ND		0.21	0.076	ug/L		01/11/21 09:10	01/13/21 18:55	1
2-Methylnaphthalene	ND		0.21	0.062	ug/L		01/11/21 09:10	01/13/21 18:55	1
Phenanthrene	ND		0.21	0.037	ug/L		01/11/21 09:10	01/13/21 18:55	1
Pyrene	ND		0.21	0.041	ug/L		01/11/21 09:10	01/13/21 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*15 - 122*	*01/11/21 09:10*	*01/13/21 18:55*	*1*
Nitrobenzene-d5	*87*		*19 - 130*	*01/11/21 09:10*	*01/13/21 18:55*	*1*

Client Sample ID: MW6A-ROX-010721
Date Collected: 01/07/21 10:55
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-8
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*79*		*33 - 138*	*01/11/21 09:10*	*01/13/21 18:55*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.9	ug/L		01/11/21 09:10	01/13/21 16:39	1
Benzenethiol	ND		10	1.7	ug/L		01/11/21 09:10	01/13/21 16:39	1
Benzoic acid	ND		31	7.5	ug/L		01/11/21 09:10	01/13/21 16:39	1
Benzyl alcohol	ND		10	2.1	ug/L		01/11/21 09:10	01/13/21 16:39	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		01/11/21 09:10	01/13/21 16:39	1
Bis(2-chloroethyl)ether	ND		10	2.8	ug/L		01/11/21 09:10	01/13/21 16:39	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		01/11/21 09:10	01/13/21 16:39	1
Bis(2-ethylhexyl) phthalate	ND		10	5.1	ug/L		01/11/21 09:10	01/13/21 16:39	1
4-Bromophenyl phenyl ether	ND		10	0.21	ug/L		01/11/21 09:10	01/13/21 16:39	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		01/11/21 09:10	01/13/21 16:39	1
4-Chloroaniline	ND		10	3.5	ug/L		01/11/21 09:10	01/13/21 16:39	1
4-Chloro-3-methylphenol	ND		10	3.9	ug/L		01/11/21 09:10	01/13/21 16:39	1
2-Chloronaphthalene	ND		10	0.14	ug/L		01/11/21 09:10	01/13/21 16:39	1
2-Chlorophenol	ND		10	2.3	ug/L		01/11/21 09:10	01/13/21 16:39	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		01/11/21 09:10	01/13/21 16:39	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/11/21 09:10	01/13/21 16:39	1
Dibenzofuran	ND		10	0.17	ug/L		01/11/21 09:10	01/13/21 16:39	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		01/11/21 09:10	01/13/21 16:39	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		01/11/21 09:10	01/13/21 16:39	1
Diethyl phthalate	ND		10	0.25	ug/L		01/11/21 09:10	01/13/21 16:39	1
2,4-Dimethylphenol	ND		10	3.6	ug/L		01/11/21 09:10	01/13/21 16:39	1
Dimethyl phthalate	ND		10	0.17	ug/L		01/11/21 09:10	01/13/21 16:39	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		01/11/21 09:10	01/13/21 16:39	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		01/11/21 09:10	01/13/21 16:39	1
2,4-Dinitrophenol	ND		31	3.5	ug/L		01/11/21 09:10	01/13/21 16:39	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/21 09:10	01/13/21 16:39	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/21 09:10	01/13/21 16:39	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		01/11/21 09:10	01/13/21 16:39	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/21 09:10	01/13/21 16:39	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/21 09:10	01/13/21 16:39	1
Hexachlorobenzene	ND		10	0.17	ug/L		01/11/21 09:10	01/13/21 16:39	1
Hexachlorocyclopentadiene	ND		21	2.7	ug/L		01/11/21 09:10	01/13/21 16:39	1
Hexachloroethane	ND		10	4.3	ug/L		01/11/21 09:10	01/13/21 16:39	1
Indene	ND		10	1.0	ug/L		01/11/21 09:10	01/13/21 16:39	1
Isophorone	ND		10	0.14	ug/L		01/11/21 09:10	01/13/21 16:39	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/21 09:10	01/13/21 16:39	1
3 & 4 Methylphenol	ND		21	0.40	ug/L		01/11/21 09:10	01/13/21 16:39	1
2-Nitroaniline	ND		10	2.3	ug/L		01/11/21 09:10	01/13/21 16:39	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/21 09:10	01/13/21 16:39	1
4-Nitroaniline	ND		10	1.5	ug/L		01/11/21 09:10	01/13/21 16:39	1
Nitrobenzene	ND		10	0.13	ug/L		01/11/21 09:10	01/13/21 16:39	1
2-Nitrophenol	ND		10	5.3	ug/L		01/11/21 09:10	01/13/21 16:39	1
4-Nitrophenol	ND		10	2.2	ug/L		01/11/21 09:10	01/13/21 16:39	1
N-Nitrosodimethylamine	ND		10	3.6	ug/L		01/11/21 09:10	01/13/21 16:39	1

Client Sample ID: MW6A-ROX-010721
Date Collected: 01/07/21 10:55
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.4	ug/L		01/11/21 09:10	01/13/21 16:39	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		01/11/21 09:10	01/13/21 16:39	1
Pentachlorophenol	ND		21	1.4	ug/L		01/11/21 09:10	01/13/21 16:39	1
Phenol	ND		10	2.7	ug/L		01/11/21 09:10	01/13/21 16:39	1
Pyridine	ND		10	3.3	ug/L		01/11/21 09:10	01/13/21 16:39	1
Quinoline	ND		10	4.6	ug/L		01/11/21 09:10	01/13/21 16:39	1
2,4,5-Trichlorophenol	ND		10	3.8	ug/L		01/11/21 09:10	01/13/21 16:39	1
2,4,6-Trichlorophenol	ND		10	3.6	ug/L		01/11/21 09:10	01/13/21 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*46 - 124*	*01/11/21 09:10*	*01/13/21 16:39*	*1*
2-Fluorophenol	*57*		*13 - 113*	*01/11/21 09:10*	*01/13/21 16:39*	*1*
Nitrobenzene-d5	*83*		*36 - 126*	*01/11/21 09:10*	*01/13/21 16:39*	*1*
Phenol-d5	*83*		*17 - 127*	*01/11/21 09:10*	*01/13/21 16:39*	*1*
Terphenyl-d14	*64*		*44 - 149*	*01/11/21 09:10*	*01/13/21 16:39*	*1*
2,4,6-Tribromophenol	*87*		*26 - 150*	*01/11/21 09:10*	*01/13/21 16:39*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.0059	ug/L		01/11/21 12:14	01/11/21 21:34	1
1,2-Dibromoethane	ND		0.021	0.0054	ug/L		01/11/21 12:14	01/11/21 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*	*p*	*51 - 149*	*01/11/21 12:14*	*01/11/21 21:34*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198004-1

Client Sample ID: MW6B-ROX-010721
Date Collected: 01/07/21 12:00
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/14/21 18:25	1
Acrolein	ND		20	10	ug/L			01/14/21 18:25	1
Acrylonitrile	ND		10	2.8	ug/L			01/14/21 18:25	1
Benzene	ND		1.0	0.38	ug/L			01/14/21 18:25	1
Bromobenzene	ND		1.0	0.54	ug/L			01/14/21 18:25	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/14/21 18:25	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/14/21 18:25	1
Bromoform	ND		5.0	0.71	ug/L			01/14/21 18:25	1
Bromomethane	ND		1.0	0.98	ug/L			01/14/21 18:25	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/14/21 18:25	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/14/21 18:25	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/14/21 18:25	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/14/21 18:25	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/14/21 18:25	1
Chloroethane	ND		1.0	0.76	ug/L			01/14/21 18:25	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/14/21 18:25	1
Chloroform	ND		1.0	0.60	ug/L			01/14/21 18:25	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/14/21 18:25	1
Chloromethane	ND		1.0	0.83	ug/L			01/14/21 18:25	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 18:25	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 18:25	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/14/21 18:25	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/14/21 18:25	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/14/21 18:25	1
Dichlorodifluoromethane	ND	*+	1.0	0.85	ug/L			01/14/21 18:25	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			01/14/21 18:25	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/14/21 18:25	1
1,1-Dichloroethene	ND	UJ	1.0	0.50	ug/L			01/14/21 18:25	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			01/14/21 18:25	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 18:25	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 18:25	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/14/21 18:25	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/14/21 18:25	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/14/21 18:25	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/14/21 18:25	1
2-Hexanone	ND		25	3.1	ug/L			01/14/21 18:25	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/14/21 18:25	1
Methylene bromide	ND		5.0	0.59	ug/L			01/14/21 18:25	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/14/21 18:25	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/14/21 18:25	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/14/21 18:25	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/14/21 18:25	1
Naphthalene	ND		1.0	1.0	ug/L			01/14/21 18:25	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/14/21 18:25	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/14/21 18:25	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/14/21 18:25	1
o-Xylene	ND		5.0	0.60	ug/L			01/14/21 18:25	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/14/21 18:25	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/14/21 18:25	1

Client Sample ID: MW6B-ROX-010721
Date Collected: 01/07/21 12:00
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/14/21 18:25	1
Styrene	ND		1.0	1.0	ug/L			01/14/21 18:25	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/14/21 18:25	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/14/21 18:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/14/21 18:25	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/14/21 18:25	1
Toluene	ND		1.0	0.41	ug/L			01/14/21 18:25	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 18:25	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 18:25	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/14/21 18:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/14/21 18:25	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/14/21 18:25	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/14/21 18:25	1
Trichloroethene	ND		1.0	0.50	ug/L			01/14/21 18:25	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/14/21 18:25	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/14/21 18:25	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/14/21 18:25	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/14/21 18:25	1
Vinyl acetate	ND		25	2.0	ug/L			01/14/21 18:25	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			01/14/21 18:25	1
Xylenes, Total	ND		10	1.6	ug/L			01/14/21 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*01/14/21 18:25*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*01/14/21 18:25*	*1*
Toluene-d8 (Surr)	*88*		*80 - 120*		*01/14/21 18:25*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		01/11/21 09:10	01/13/21 19:11	1
Acenaphthylene	ND		0.20	0.046	ug/L		01/11/21 09:10	01/13/21 19:11	1
Anthracene	ND		0.20	0.032	ug/L		01/11/21 09:10	01/13/21 19:11	1
Benzo[a]anthracene	ND		0.20	0.047	ug/L		01/11/21 09:10	01/13/21 19:11	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		01/11/21 09:10	01/13/21 19:11	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		01/11/21 09:10	01/13/21 19:11	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		01/11/21 09:10	01/13/21 19:11	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		01/11/21 09:10	01/13/21 19:11	1
Chrysene	ND		0.20	0.075	ug/L		01/11/21 09:10	01/13/21 19:11	1
Dibenz(a,h)anthracene	ND		0.20	0.051	ug/L		01/11/21 09:10	01/13/21 19:11	1
Fluoranthene	ND		0.20	0.069	ug/L		01/11/21 09:10	01/13/21 19:11	1
Fluorene	ND		0.20	0.11	ug/L		01/11/21 09:10	01/13/21 19:11	1
Indeno[1,2,3-cd]pyrene	~~0.046~~	J B	0.20	0.043	ug/L		01/11/21 09:10	01/13/21 19:11	1
1-Methylnaphthalene	ND		0.20	0.075	ug/L		01/11/21 09:10	01/13/21 19:11	1
2-Methylnaphthalene	ND		0.20	0.061	ug/L		01/11/21 09:10	01/13/21 19:11	1
Phenanthrene	ND		0.20	0.036	ug/L		01/11/21 09:10	01/13/21 19:11	1
Pyrene	ND		0.20	0.040	ug/L		01/11/21 09:10	01/13/21 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*15 - 122*	*01/11/21 09:10*	*01/13/21 19:11*	*1*
Nitrobenzene-d5	*83*		*19 - 130*	*01/11/21 09:10*	*01/13/21 19:11*	*1*

Client Sample ID: MW6B-ROX-010721
Date Collected: 01/07/21 12:00
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-9
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*93*		*33 - 138*	*01/11/21 09:10*	*01/13/21 19:11*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/11/21 09:10	01/13/21 17:01	1
Benzenethiol	ND		10	1.7	ug/L		01/11/21 09:10	01/13/21 17:01	1
Benzoic acid	ND		30	7.4	ug/L		01/11/21 09:10	01/13/21 17:01	1
Benzyl alcohol	ND		10	2.0	ug/L		01/11/21 09:10	01/13/21 17:01	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		01/11/21 09:10	01/13/21 17:01	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		01/11/21 09:10	01/13/21 17:01	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		01/11/21 09:10	01/13/21 17:01	1
Bis(2-ethylhexyl) phthalate	ND		10	5.1	ug/L		01/11/21 09:10	01/13/21 17:01	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		01/11/21 09:10	01/13/21 17:01	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		01/11/21 09:10	01/13/21 17:01	1
4-Chloroaniline	ND		10	3.4	ug/L		01/11/21 09:10	01/13/21 17:01	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/11/21 09:10	01/13/21 17:01	1
2-Chloronaphthalene	ND		10	0.14	ug/L		01/11/21 09:10	01/13/21 17:01	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/21 09:10	01/13/21 17:01	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/21 09:10	01/13/21 17:01	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/11/21 09:10	01/13/21 17:01	1
Dibenzofuran	ND		10	0.17	ug/L		01/11/21 09:10	01/13/21 17:01	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/11/21 09:10	01/13/21 17:01	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/11/21 09:10	01/13/21 17:01	1
Diethyl phthalate	ND		10	0.24	ug/L		01/11/21 09:10	01/13/21 17:01	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/11/21 09:10	01/13/21 17:01	1
Dimethyl phthalate	ND		10	0.17	ug/L		01/11/21 09:10	01/13/21 17:01	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/11/21 09:10	01/13/21 17:01	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		01/11/21 09:10	01/13/21 17:01	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/11/21 09:10	01/13/21 17:01	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/21 09:10	01/13/21 17:01	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/21 09:10	01/13/21 17:01	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		01/11/21 09:10	01/13/21 17:01	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/21 09:10	01/13/21 17:01	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/21 09:10	01/13/21 17:01	1
Hexachlorobenzene	ND		10	0.17	ug/L		01/11/21 09:10	01/13/21 17:01	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/11/21 09:10	01/13/21 17:01	1
Hexachloroethane	ND		10	4.2	ug/L		01/11/21 09:10	01/13/21 17:01	1
Indene	ND		10	1.0	ug/L		01/11/21 09:10	01/13/21 17:01	1
Isophorone	ND		10	0.14	ug/L		01/11/21 09:10	01/13/21 17:01	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/21 09:10	01/13/21 17:01	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		01/11/21 09:10	01/13/21 17:01	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/21 09:10	01/13/21 17:01	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/21 09:10	01/13/21 17:01	1
4-Nitroaniline	ND		10	1.5	ug/L		01/11/21 09:10	01/13/21 17:01	1
Nitrobenzene	ND		10	0.13	ug/L		01/11/21 09:10	01/13/21 17:01	1
2-Nitrophenol	ND		10	5.3	ug/L		01/11/21 09:10	01/13/21 17:01	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/21 09:10	01/13/21 17:01	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/11/21 09:10	01/13/21 17:01	1

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198004-1

Client Sample ID: MW6B-ROX-010721
Date Collected: 01/07/21 12:00
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/11/21 09:10	01/13/21 17:01	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		01/11/21 09:10	01/13/21 17:01	1
Pentachlorophenol	ND		20	1.4	ug/L		01/11/21 09:10	01/13/21 17:01	1
Phenol	ND		10	2.6	ug/L		01/11/21 09:10	01/13/21 17:01	1
Pyridine	ND		10	3.2	ug/L		01/11/21 09:10	01/13/21 17:01	1
Quinoline	ND		10	4.6	ug/L		01/11/21 09:10	01/13/21 17:01	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/11/21 09:10	01/13/21 17:01	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/11/21 09:10	01/13/21 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*46 - 124*	*01/11/21 09:10*	*01/13/21 17:01*	*1*
2-Fluorophenol	*67*		*13 - 113*	*01/11/21 09:10*	*01/13/21 17:01*	*1*
Nitrobenzene-d5	*82*		*36 - 126*	*01/11/21 09:10*	*01/13/21 17:01*	*1*
Phenol-d5	*88*		*17 - 127*	*01/11/21 09:10*	*01/13/21 17:01*	*1*
Terphenyl-d14	*79*		*44 - 149*	*01/11/21 09:10*	*01/13/21 17:01*	*1*
2,4,6-Tribromophenol	*86*		*26 - 150*	*01/11/21 09:10*	*01/13/21 17:01*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/12/21 08:52	01/12/21 16:17	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/12/21 08:52	01/12/21 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*	*p*	*51 - 149*	*01/12/21 08:52*	*01/12/21 16:17*	*1*

Client Sample ID: MW6C-ROX-010721
Date Collected: 01/07/21 12:45
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/14/21 18:51	1
Acrolein	ND		20	10	ug/L			01/14/21 18:51	1
Acrylonitrile	ND		10	2.8	ug/L			01/14/21 18:51	1
Benzene	ND		1.0	0.38	ug/L			01/14/21 18:51	1
Bromobenzene	ND		1.0	0.54	ug/L			01/14/21 18:51	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/14/21 18:51	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/14/21 18:51	1
Bromoform	ND		5.0	0.71	ug/L			01/14/21 18:51	1
Bromomethane	ND		1.0	0.98	ug/L			01/14/21 18:51	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/14/21 18:51	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/14/21 18:51	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/14/21 18:51	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/14/21 18:51	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/14/21 18:51	1
Chloroethane	ND		1.0	0.76	ug/L			01/14/21 18:51	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/14/21 18:51	1
Chloroform	ND		1.0	0.60	ug/L			01/14/21 18:51	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/14/21 18:51	1
Chloromethane	ND		1.0	0.83	ug/L			01/14/21 18:51	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 18:51	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 18:51	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/14/21 18:51	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/14/21 18:51	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/14/21 18:51	1
Dichlorodifluoromethane	ND	*+	1.0	0.85	ug/L			01/14/21 18:51	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			01/14/21 18:51	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/14/21 18:51	1
1,1-Dichloroethene	ND	U5	1.0	0.50	ug/L			01/14/21 18:51	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			01/14/21 18:51	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 18:51	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 18:51	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/14/21 18:51	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/14/21 18:51	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/14/21 18:51	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/14/21 18:51	1
2-Hexanone	ND		25	3.1	ug/L			01/14/21 18:51	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/14/21 18:51	1
Methylene bromide	ND		5.0	0.59	ug/L			01/14/21 18:51	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/14/21 18:51	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/14/21 18:51	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/14/21 18:51	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/14/21 18:51	1
Naphthalene	ND		1.0	1.0	ug/L			01/14/21 18:51	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/14/21 18:51	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/14/21 18:51	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/14/21 18:51	1
o-Xylene	ND		5.0	0.60	ug/L			01/14/21 18:51	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/14/21 18:51	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/14/21 18:51	1

Client Sample ID: MW6C-ROX-010721
Date Collected: 01/07/21 12:45
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/14/21 18:51	1
Styrene	ND		1.0	1.0	ug/L			01/14/21 18:51	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/14/21 18:51	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/14/21 18:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/14/21 18:51	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/14/21 18:51	1
Toluene	ND		1.0	0.41	ug/L			01/14/21 18:51	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 18:51	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 18:51	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/14/21 18:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/14/21 18:51	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/14/21 18:51	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/14/21 18:51	1
Trichloroethene	ND		1.0	0.50	ug/L			01/14/21 18:51	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/14/21 18:51	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/14/21 18:51	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/14/21 18:51	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/14/21 18:51	1
Vinyl acetate	ND		25	2.0	ug/L			01/14/21 18:51	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			01/14/21 18:51	1
Xylenes, Total	ND		10	1.6	ug/L			01/14/21 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/14/21 18:51*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*01/14/21 18:51*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*01/14/21 18:51*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.031	ug/L		01/11/21 09:10	01/13/21 19:26	1
Acenaphthylene	ND		0.19	0.044	ug/L		01/11/21 09:10	01/13/21 19:26	1
Anthracene	ND		0.19	0.031	ug/L		01/11/21 09:10	01/13/21 19:26	1
Benzo[a]anthracene	ND		0.19	0.045	ug/L		01/11/21 09:10	01/13/21 19:26	1
Benzo[a]pyrene	ND		0.19	0.041	ug/L		01/11/21 09:10	01/13/21 19:26	1
Benzo[b]fluoranthene	ND		0.19	0.033	ug/L		01/11/21 09:10	01/13/21 19:26	1
Benzo[g,h,i]perylene	ND		0.19	0.13	ug/L		01/11/21 09:10	01/13/21 19:26	1
Benzo[k]fluoranthene	ND		0.19	0.097	ug/L		01/11/21 09:10	01/13/21 19:26	1
Chrysene	ND		0.19	0.072	ug/L		01/11/21 09:10	01/13/21 19:26	1
Dibenz(a,h)anthracene	ND		0.19	0.049	ug/L		01/11/21 09:10	01/13/21 19:26	1
Fluoranthene	ND		0.19	0.066	ug/L		01/11/21 09:10	01/13/21 19:26	1
Fluorene	ND		0.19	0.11	ug/L		01/11/21 09:10	01/13/21 19:26	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.042	ug/L		01/11/21 09:10	01/13/21 19:26	1
1-Methylnaphthalene	ND		0.19	0.072	ug/L		01/11/21 09:10	01/13/21 19:26	1
2-Methylnaphthalene	ND		0.19	0.058	ug/L		01/11/21 09:10	01/13/21 19:26	1
Phenanthrene	ND		0.19	0.035	ug/L		01/11/21 09:10	01/13/21 19:26	1
Pyrene	ND		0.19	0.039	ug/L		01/11/21 09:10	01/13/21 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*15 - 122*	*01/11/21 09:10*	*01/13/21 19:26*	*1*
Nitrobenzene-d5	*91*		*19 - 130*	*01/11/21 09:10*	*01/13/21 19:26*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198004-1

Client Sample ID: MW6C-ROX-010721
Date Collected: 01/07/21 12:45
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-10
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	104		33 - 138	01/11/21 09:10	01/13/21 19:26	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.7	3.7	ug/L		01/11/21 09:10	01/13/21 01:35	1
Benzenethiol	ND		9.7	1.7	ug/L		01/11/21 09:10	01/13/21 01:35	1
Benzoic acid	ND		29	7.1	ug/L		01/11/21 09:10	01/13/21 01:35	1
Benzyl alcohol	ND	UJ	9.7	1.9	ug/L		01/11/21 09:10	01/13/21 01:35	1
Bis(2-chloroethoxy)methane	ND		9.7	0.16	ug/L		01/11/21 09:10	01/13/21 01:35	1
Bis(2-chloroethyl)ether	ND		9.7	2.6	ug/L		01/11/21 09:10	01/13/21 01:35	1
bis (2-chloroisopropyl) ether	ND		9.7	0.16	ug/L		01/11/21 09:10	01/13/21 01:35	1
Bis(2-ethylhexyl) phthalate	ND		9.7	4.9	ug/L		01/11/21 09:10	01/13/21 01:35	1
4-Bromophenyl phenyl ether	ND		9.7	0.19	ug/L		01/11/21 09:10	01/13/21 01:35	1
Butyl benzyl phthalate	ND		9.7	0.19	ug/L		01/11/21 09:10	01/13/21 01:35	1
4-Chloroaniline	ND		9.7	3.3	ug/L		01/11/21 09:10	01/13/21 01:35	1
4-Chloro-3-methylphenol	ND		9.7	3.7	ug/L		01/11/21 09:10	01/13/21 01:35	1
2-Chloronaphthalene	ND		9.7	0.14	ug/L		01/11/21 09:10	01/13/21 01:35	1
2-Chlorophenol	ND		9.7	2.1	ug/L		01/11/21 09:10	01/13/21 01:35	1
4-Chlorophenyl phenyl ether	ND		9.7	1.9	ug/L		01/11/21 09:10	01/13/21 01:35	1
Dibenz[a,h]acridine	ND		9.7	0.97	ug/L		01/11/21 09:10	01/13/21 01:35	1
Dibenzofuran	ND		9.7	0.17	ug/L		01/11/21 09:10	01/13/21 01:35	1
3,3'-Dichlorobenzidine	ND		9.7	2.5	ug/L		01/11/21 09:10	01/13/21 01:35	1
2,4-Dichlorophenol	ND		9.7	2.9	ug/L		01/11/21 09:10	01/13/21 01:35	1
Diethyl phthalate	ND		9.7	0.23	ug/L		01/11/21 09:10	01/13/21 01:35	1
2,4-Dimethylphenol	ND		9.7	3.4	ug/L		01/11/21 09:10	01/13/21 01:35	1
Dimethyl phthalate	ND		9.7	0.17	ug/L		01/11/21 09:10	01/13/21 01:35	1
Di-n-butyl phthalate	ND		9.7	2.6	ug/L		01/11/21 09:10	01/13/21 01:35	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.6	ug/L		01/11/21 09:10	01/13/21 01:35	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		01/11/21 09:10	01/13/21 01:35	1
2,4-Dinitrotoluene	ND		9.7	1.9	ug/L		01/11/21 09:10	01/13/21 01:35	1
2,6-Dinitrotoluene	ND		9.7	1.9	ug/L		01/11/21 09:10	01/13/21 01:35	1
Di-n-octyl phthalate	ND		9.7	0.17	ug/L		01/11/21 09:10	01/13/21 01:35	1
1,4-Dioxane	ND		9.7	0.97	ug/L		01/11/21 09:10	01/13/21 01:35	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.97	ug/L		01/11/21 09:10	01/13/21 01:35	1
Hexachlorobenzene	ND		9.7	0.17	ug/L		01/11/21 09:10	01/13/21 01:35	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/11/21 09:10	01/13/21 01:35	1
Hexachloroethane	ND		9.7	4.1	ug/L		01/11/21 09:10	01/13/21 01:35	1
Indene	ND		9.7	0.97	ug/L		01/11/21 09:10	01/13/21 01:35	1
Isophorone	ND		9.7	0.14	ug/L		01/11/21 09:10	01/13/21 01:35	1
2-Methylphenol	ND		9.7	1.8	ug/L		01/11/21 09:10	01/13/21 01:35	1
3 & 4 Methylphenol	ND		19	0.38	ug/L		01/11/21 09:10	01/13/21 01:35	1
2-Nitroaniline	ND		9.7	2.1	ug/L		01/11/21 09:10	01/13/21 01:35	1
3-Nitroaniline	ND		9.7	1.8	ug/L		01/11/21 09:10	01/13/21 01:35	1
4-Nitroaniline	ND		9.7	1.5	ug/L		01/11/21 09:10	01/13/21 01:35	1
Nitrobenzene	ND		9.7	0.13	ug/L		01/11/21 09:10	01/13/21 01:35	1
2-Nitrophenol	ND		9.7	5.1	ug/L		01/11/21 09:10	01/13/21 01:35	1
4-Nitrophenol	ND		9.7	2.0	ug/L		01/11/21 09:10	01/13/21 01:35	1
N-Nitrosodimethylamine	ND		9.7	3.4	ug/L		01/11/21 09:10	01/13/21 01:35	1

Client Sample ID: MW6C-ROX-010721
Date Collected: 01/07/21 12:45
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.7	3.2	ug/L		01/11/21 09:10	01/13/21 01:35	1
N-Nitrosodiphenylamine	ND		9.7	0.18	ug/L		01/11/21 09:10	01/13/21 01:35	1
Pentachlorophenol	ND		19	1.4	ug/L		01/11/21 09:10	01/13/21 01:35	1
Phenol	ND		9.7	2.5	ug/L		01/11/21 09:10	01/13/21 01:35	1
Pyridine	ND		9.7	3.1	ug/L		01/11/21 09:10	01/13/21 01:35	1
Quinoline	ND		9.7	4.4	ug/L		01/11/21 09:10	01/13/21 01:35	1
2,4,5-Trichlorophenol	ND		9.7	3.6	ug/L		01/11/21 09:10	01/13/21 01:35	1
2,4,6-Trichlorophenol	ND		9.7	3.4	ug/L		01/11/21 09:10	01/13/21 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*46 - 124*	*01/11/21 09:10*	*01/13/21 01:35*	*1*
2-Fluorophenol	*50*		*13 - 113*	*01/11/21 09:10*	*01/13/21 01:35*	*1*
Nitrobenzene-d5	*71*		*36 - 126*	*01/11/21 09:10*	*01/13/21 01:35*	*1*
Phenol-d5	*70*		*17 - 127*	*01/11/21 09:10*	*01/13/21 01:35*	*1*
Terphenyl-d14	*77*		*44 - 149*	*01/11/21 09:10*	*01/13/21 01:35*	*1*
2,4,6-Tribromophenol	*72*		*26 - 150*	*01/11/21 09:10*	*01/13/21 01:35*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.0058	ug/L		01/12/21 08:52	01/12/21 16:36	1
1,2-Dibromoethane	ND		0.021	0.0053	ug/L		01/12/21 08:52	01/12/21 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*	*p*	*51 - 149*	*01/12/21 08:52*	*01/12/21 16:36*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198004-1

Client Sample ID: MW6D-ROX-010721
Date Collected: 01/07/21 13:35
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/14/21 19:17	1
Acrolein	ND		20	10	ug/L			01/14/21 19:17	1
Acrylonitrile	ND		10	2.8	ug/L			01/14/21 19:17	1
Benzene	ND		1.0	0.38	ug/L			01/14/21 19:17	1
Bromobenzene	ND		1.0	0.54	ug/L			01/14/21 19:17	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/14/21 19:17	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/14/21 19:17	1
Bromoform	ND		5.0	0.71	ug/L			01/14/21 19:17	1
Bromomethane	ND		1.0	0.98	ug/L			01/14/21 19:17	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/14/21 19:17	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/14/21 19:17	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/14/21 19:17	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/14/21 19:17	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/14/21 19:17	1
Chloroethane	ND		1.0	0.76	ug/L			01/14/21 19:17	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/14/21 19:17	1
Chloroform	ND		1.0	0.60	ug/L			01/14/21 19:17	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/14/21 19:17	1
Chloromethane	ND		1.0	0.83	ug/L			01/14/21 19:17	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 19:17	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 19:17	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/14/21 19:17	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/14/21 19:17	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/14/21 19:17	1
Dichlorodifluoromethane	ND	*+	1.0	0.85	ug/L			01/14/21 19:17	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			01/14/21 19:17	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/14/21 19:17	1
1,1-Dichloroethene	ND	UJ	1.0	0.50	ug/L			01/14/21 19:17	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			01/14/21 19:17	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 19:17	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 19:17	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/14/21 19:17	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/14/21 19:17	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/14/21 19:17	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/14/21 19:17	1
2-Hexanone	ND		25	3.1	ug/L			01/14/21 19:17	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/14/21 19:17	1
Methylene bromide	ND		5.0	0.59	ug/L			01/14/21 19:17	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/14/21 19:17	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/14/21 19:17	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/14/21 19:17	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/14/21 19:17	1
Naphthalene	ND		1.0	1.0	ug/L			01/14/21 19:17	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/14/21 19:17	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/14/21 19:17	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/14/21 19:17	1
o-Xylene	ND		5.0	0.60	ug/L			01/14/21 19:17	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/14/21 19:17	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/14/21 19:17	1

Client Sample ID: MW6D-ROX-010721
Date Collected: 01/07/21 13:35
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/14/21 19:17	1
Styrene	ND		1.0	1.0	ug/L			01/14/21 19:17	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/14/21 19:17	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/14/21 19:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/14/21 19:17	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/14/21 19:17	1
Toluene	ND		1.0	0.41	ug/L			01/14/21 19:17	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 19:17	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 19:17	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/14/21 19:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/14/21 19:17	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/14/21 19:17	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/14/21 19:17	1
Trichloroethene	ND		1.0	0.50	ug/L			01/14/21 19:17	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/14/21 19:17	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/14/21 19:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/14/21 19:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/14/21 19:17	1
Vinyl acetate	ND		25	2.0	ug/L			01/14/21 19:17	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			01/14/21 19:17	1
Xylenes, Total	ND		10	1.6	ug/L			01/14/21 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*01/14/21 19:17*	*1*
Dibromofluoromethane	*107*		*81 - 121*		*01/14/21 19:17*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*01/14/21 19:17*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.031	ug/L		01/11/21 09:10	01/13/21 19:42	1
Acenaphthylene	ND		0.19	0.044	ug/L		01/11/21 09:10	01/13/21 19:42	1
Anthracene	ND		0.19	0.031	ug/L		01/11/21 09:10	01/13/21 19:42	1
Benzo[a]anthracene	ND		0.19	0.045	ug/L		01/11/21 09:10	01/13/21 19:42	1
Benzo[a]pyrene	ND		0.19	0.041	ug/L		01/11/21 09:10	01/13/21 19:42	1
Benzo[b]fluoranthene	ND		0.19	0.033	ug/L		01/11/21 09:10	01/13/21 19:42	1
Benzo[g,h,i]perylene	ND		0.19	0.13	ug/L		01/11/21 09:10	01/13/21 19:42	1
Benzo[k]fluoranthene	ND		0.19	0.097	ug/L		01/11/21 09:10	01/13/21 19:42	1
Chrysene	ND		0.19	0.072	ug/L		01/11/21 09:10	01/13/21 19:42	1
Dibenz(a,h)anthracene	ND		0.19	0.049	ug/L		01/11/21 09:10	01/13/21 19:42	1
Fluoranthene	ND		0.19	0.066	ug/L		01/11/21 09:10	01/13/21 19:42	1
Fluorene	ND		0.19	0.11	ug/L		01/11/21 09:10	01/13/21 19:42	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.042	ug/L		01/11/21 09:10	01/13/21 19:42	1
1-Methylnaphthalene	ND		0.19	0.072	ug/L		01/11/21 09:10	01/13/21 19:42	1
2-Methylnaphthalene	ND		0.19	0.058	ug/L		01/11/21 09:10	01/13/21 19:42	1
Phenanthrene	ND		0.19	0.035	ug/L		01/11/21 09:10	01/13/21 19:42	1
Pyrene	ND		0.19	0.039	ug/L		01/11/21 09:10	01/13/21 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*15 - 122*	*01/11/21 09:10*	*01/13/21 19:42*	*1*
Nitrobenzene-d5	*84*		*19 - 130*	*01/11/21 09:10*	*01/13/21 19:42*	*1*

Client Sample ID: MW6D-ROX-010721
Date Collected: 01/07/21 13:35
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-11
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	95		33 - 138	01/11/21 09:10	01/13/21 19:42	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.7	3.7	ug/L		01/11/21 09:10	01/13/21 02:00	1
Benzenethiol	ND		9.7	1.7	ug/L		01/11/21 09:10	01/13/21 02:00	1
Benzoic acid	ND		29	7.1	ug/L		01/11/21 09:10	01/13/21 02:00	1
Benzyl alcohol	ND		9.7	1.9	ug/L		01/11/21 09:10	01/13/21 02:00	1
Bis(2-chloroethoxy)methane	ND		9.7	0.16	ug/L		01/11/21 09:10	01/13/21 02:00	1
Bis(2-chloroethyl)ether	ND		9.7	2.6	ug/L		01/11/21 09:10	01/13/21 02:00	1
bis (2-chloroisopropyl) ether	ND		9.7	0.16	ug/L		01/11/21 09:10	01/13/21 02:00	1
Bis(2-ethylhexyl) phthalate	ND		9.7	4.9	ug/L		01/11/21 09:10	01/13/21 02:00	1
4-Bromophenyl phenyl ether	ND		9.7	0.19	ug/L		01/11/21 09:10	01/13/21 02:00	1
Butyl benzyl phthalate	ND		9.7	0.18	ug/L		01/11/21 09:10	01/13/21 02:00	1
4-Chloroaniline	ND		9.7	3.3	ug/L		01/11/21 09:10	01/13/21 02:00	1
4-Chloro-3-methylphenol	ND		9.7	3.7	ug/L		01/11/21 09:10	01/13/21 02:00	1
2-Chloronaphthalene	ND		9.7	0.14	ug/L		01/11/21 09:10	01/13/21 02:00	1
2-Chlorophenol	ND		9.7	2.1	ug/L		01/11/21 09:10	01/13/21 02:00	1
4-Chlorophenyl phenyl ether	ND		9.7	1.9	ug/L		01/11/21 09:10	01/13/21 02:00	1
Dibenz[a,h]acridine	ND		9.7	0.97	ug/L		01/11/21 09:10	01/13/21 02:00	1
Dibenzofuran	ND		9.7	0.17	ug/L		01/11/21 09:10	01/13/21 02:00	1
3,3'-Dichlorobenzidine	ND		9.7	2.5	ug/L		01/11/21 09:10	01/13/21 02:00	1
2,4-Dichlorophenol	ND		9.7	2.9	ug/L		01/11/21 09:10	01/13/21 02:00	1
Diethyl phthalate	**0.23**	**J**	9.7	0.23	ug/L		01/11/21 09:10	01/13/21 02:00	1
2,4-Dimethylphenol	ND		9.7	3.4	ug/L		01/11/21 09:10	01/13/21 02:00	1
Dimethyl phthalate	ND		9.7	0.17	ug/L		01/11/21 09:10	01/13/21 02:00	1
Di-n-butyl phthalate	ND		9.7	2.6	ug/L		01/11/21 09:10	01/13/21 02:00	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.6	ug/L		01/11/21 09:10	01/13/21 02:00	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		01/11/21 09:10	01/13/21 02:00	1
2,4-Dinitrotoluene	ND		9.7	1.8	ug/L		01/11/21 09:10	01/13/21 02:00	1
2,6-Dinitrotoluene	ND		9.7	1.8	ug/L		01/11/21 09:10	01/13/21 02:00	1
Di-n-octyl phthalate	ND		9.7	0.17	ug/L		01/11/21 09:10	01/13/21 02:00	1
1,4-Dioxane	ND		9.7	0.97	ug/L		01/11/21 09:10	01/13/21 02:00	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.97	ug/L		01/11/21 09:10	01/13/21 02:00	1
Hexachlorobenzene	ND		9.7	0.17	ug/L		01/11/21 09:10	01/13/21 02:00	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/11/21 09:10	01/13/21 02:00	1
Hexachloroethane	ND		9.7	4.1	ug/L		01/11/21 09:10	01/13/21 02:00	1
Indene	ND		9.7	0.97	ug/L		01/11/21 09:10	01/13/21 02:00	1
Isophorone	ND		9.7	0.14	ug/L		01/11/21 09:10	01/13/21 02:00	1
2-Methylphenol	ND		9.7	1.7	ug/L		01/11/21 09:10	01/13/21 02:00	1
3 & 4 Methylphenol	ND		19	0.38	ug/L		01/11/21 09:10	01/13/21 02:00	1
2-Nitroaniline	ND		9.7	2.1	ug/L		01/11/21 09:10	01/13/21 02:00	1
3-Nitroaniline	ND		9.7	1.7	ug/L		01/11/21 09:10	01/13/21 02:00	1
4-Nitroaniline	ND		9.7	1.5	ug/L		01/11/21 09:10	01/13/21 02:00	1
Nitrobenzene	ND		9.7	0.13	ug/L		01/11/21 09:10	01/13/21 02:00	1
2-Nitrophenol	ND		9.7	5.1	ug/L		01/11/21 09:10	01/13/21 02:00	1
4-Nitrophenol	ND		9.7	2.0	ug/L		01/11/21 09:10	01/13/21 02:00	1
N-Nitrosodimethylamine	ND		9.7	3.4	ug/L		01/11/21 09:10	01/13/21 02:00	1

Client Sample ID: MW6D-ROX-010721
Date Collected: 01/07/21 13:35
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198004-11
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.7	3.2	ug/L		01/11/21 09:10	01/13/21 02:00	1
N-Nitrosodiphenylamine	ND		9.7	0.17	ug/L		01/11/21 09:10	01/13/21 02:00	1
Pentachlorophenol	ND		19	1.4	ug/L		01/11/21 09:10	01/13/21 02:00	1
Phenol	ND		9.7	2.5	ug/L		01/11/21 09:10	01/13/21 02:00	1
Pyridine	ND		9.7	3.1	ug/L		01/11/21 09:10	01/13/21 02:00	1
Quinoline	ND		9.7	4.4	ug/L		01/11/21 09:10	01/13/21 02:00	1
2,4,5-Trichlorophenol	ND		9.7	3.6	ug/L		01/11/21 09:10	01/13/21 02:00	1
2,4,6-Trichlorophenol	ND		9.7	3.4	ug/L		01/11/21 09:10	01/13/21 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*46 - 124*	*01/11/21 09:10*	*01/13/21 02:00*	*1*
2-Fluorophenol	*31*		*13 - 113*	*01/11/21 09:10*	*01/13/21 02:00*	*1*
Nitrobenzene-d5	*70*		*36 - 126*	*01/11/21 09:10*	*01/13/21 02:00*	*1*
Phenol-d5	*57*		*17 - 127*	*01/11/21 09:10*	*01/13/21 02:00*	*1*
Terphenyl-d14	*75*		*44 - 149*	*01/11/21 09:10*	*01/13/21 02:00*	*1*
2,4,6-Tribromophenol	*64*		*26 - 150*	*01/11/21 09:10*	*01/13/21 02:00*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/12/21 08:52	01/12/21 16:56	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/12/21 08:52	01/12/21 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*	*p*	*51 - 149*	*01/12/21 08:52*	*01/12/21 16:56*	*1*

Definitions/Glossary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198004-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198004-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-198004-1	TB-ROX-010721-8260-A	100	101	89
400-198004-3	MW12-ROX-010721-EB	101	103	87
400-198004-4	MW12-ROX-010721	101	98	89
400-198004-4 MS	MW12-ROX-010721	102	100	90
400-198004-4 MSD	MW12-ROX-010721	101	99	89
400-198004-6	TB-ROX-010721-8260-B	101	101	87
400-198004-7	MW6A-ROX-010721-EB	100	101	89
400-198004-8	MW6A-ROX-010721	100	101	88
400-198004-9	MW6B-ROX-010721	101	104	88
400-198004-10	MW6C-ROX-010721	99	104	87
400-198004-11	MW6D-ROX-010721	100	107	87
LCS 400-517404/53	Lab Control Sample	100	101	88
MB 400-517404/28	Method Blank	102	98	89

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(46-124)	(13-113)	(36-126)	(17-127)	(44-149)	(26-150)
400-198004-3	MW12-ROX-010721-EB	72	34	62	53	64	55
400-198004-4	MW12-ROX-010721	81	44	71	58	52	52
400-198004-7	MW6A-ROX-010721-EB	97	60	83	88	86	68
400-198004-8	MW6A-ROX-010721	95	57	83	83	64	87
400-198004-9	MW6B-ROX-010721	95	67	82	88	79	86
400-198004-10	MW6C-ROX-010721	79	50	71	70	77	72
400-198004-11	MW6D-ROX-010721	78	31	70	57	75	64
LCS 400-517023/2-A	Lab Control Sample	87	62	72	75	77	86
LCS 400-517023/3-A	Lab Control Sample	95	62	75	70	86	73
LCSD 400-517023/24-A	Lab Control Sample Dup	90	52	81	76	83	88
LCSD 400-517023/4-A	Lab Control Sample Dup	97	56	78	75	89	72
MB 400-517023/1-A	Method Blank	95	56	77	78	87	73

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198004-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(15-122)	(19-130)	(33-138)
400-198004-3	MW12-ROX-010721-EB	75	81	85
400-198004-4	MW12-ROX-010721	96	96	77
400-198004-7	MW6A-ROX-010721-EB	88	89	106
400-198004-8	MW6A-ROX-010721	85	87	79
400-198004-9	MW6B-ROX-010721	88	83	93
400-198004-10	MW6C-ROX-010721	85	91	104
400-198004-11	MW6D-ROX-010721	90	84	95
LCS 400-517023/2-A	Lab Control Sample	90	85	94
LCSD 400-517023/24-A	Lab Control Sample Dup	89	84	91
MB 400-517023/1-A	Method Blank	65	62	75

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB2
Lab Sample ID	Client Sample ID	(51-149)
400-198004-2	TB-ROX-010721-8011-A	106 p
400-198004-3	MW12-ROX-010721-EB	94 p
400-198004-4	MW12-ROX-010721	96
400-198004-5	TB-ROX-010721-8011-B	104 p
400-198004-7	MW6A-ROX-010721-EB	99 p
400-198004-8	MW6A-ROX-010721	103 p
400-198004-9	MW6B-ROX-010721	95 p
400-198004-10	MW6C-ROX-010721	96 p
400-198004-11	MW6D-ROX-010721	96 p
LCS 400-517057/2-A	Lab Control Sample	107
LCS 400-517124/2-A	Lab Control Sample	98
LCSD 400-517057/3-A	Lab Control Sample Dup	102
LCSD 400-517124/3-A	Lab Control Sample Dup	99
MB 400-517057/1-A	Method Blank	106
MB 400-517124/1-A	Method Blank	94

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198004-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL PEN
5030B	Purge and Trap	SW846	TAL PEN
8011	Microextraction	SW846	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Client Sample ID: TB-ROX-010721-8260-A

Lab Sample ID: 400-198004-1

Date Collected: 01/07/21 00:00
Matrix: Water
Date Received: 01/08/21 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517404	01/14/21 15:21	BEP	TAL PEN

Client Sample ID: TB-ROX-010721-8011-A

Lab Sample ID: 400-198004-2

Date Collected: 01/07/21 00:00
Matrix: Water
Date Received: 01/08/21 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.5 mL	35 mL	517057	01/11/21 12:14	DS	TAL PEN
Total/NA	Analysis	8011		1			517065	01/11/21 19:37	DS	TAL PEN

Client Sample ID: MW12-ROX-010721-EB

Lab Sample ID: 400-198004-3

Date Collected: 01/07/21 08:05
Matrix: Water
Date Received: 01/08/21 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517404	01/14/21 15:48	BEP	TAL PEN
Total/NA	Prep	3520C			272 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 23:36	S1B	TAL PEN
Total/NA	Prep	3520C			272 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517312	01/13/21 18:08	PP1	TAL PEN
Total/NA	Prep	8011			33.6 mL	35 mL	517057	01/11/21 12:14	DS	TAL PEN
Total/NA	Analysis	8011		1			517065	01/11/21 19:57	DS	TAL PEN

Client Sample ID: MW12-ROX-010721

Lab Sample ID: 400-198004-4

Date Collected: 01/07/21 11:15
Matrix: Water
Date Received: 01/08/21 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517404	01/14/21 10:33	BEP	TAL PEN
Total/NA	Prep	3520C			232.8 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 23:57	S1B	TAL PEN
Total/NA	Prep	3520C			232.8 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517312	01/13/21 18:24	PP1	TAL PEN
Total/NA	Prep	8011			32.8 mL	35 mL	517057	01/11/21 12:14	DS	TAL PEN
Total/NA	Analysis	8011		1			517065	01/11/21 20:16	DS	TAL PEN

Client Sample ID: TB-ROX-010721-8011-B

Lab Sample ID: 400-198004-5

Date Collected: 01/07/21 00:00
Matrix: Water
Date Received: 01/08/21 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			31.9 mL	35 mL	517057	01/11/21 12:14	DS	TAL PEN
Total/NA	Analysis	8011		1			517065	01/11/21 20:36	DS	TAL PEN

Client Sample ID: TB-ROX-010721-8260-B

Lab Sample ID: 400-198004-6

Date Collected: 01/07/21 00:00
Matrix: Water
Date Received: 01/08/21 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517404	01/14/21 17:06	BEP	TAL PEN

Client Sample ID: MW6A-ROX-010721-EB

Lab Sample ID: 400-198004-7

Date Collected: 01/07/21 07:45
Matrix: Water
Date Received: 01/08/21 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517404	01/14/21 17:33	BEP	TAL PEN
Total/NA	Prep	3520C			267.4 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517294	01/13/21 16:18	S1B	TAL PEN
Total/NA	Prep	3520C			267.4 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517312	01/13/21 18:39	PP1	TAL PEN
Total/NA	Prep	8011			33.7 mL	35 mL	517057	01/11/21 12:14	DS	TAL PEN
Total/NA	Analysis	8011		1			517065	01/11/21 21:15	DS	TAL PEN

Client Sample ID: MW6A-ROX-010721

Lab Sample ID: 400-198004-8

Date Collected: 01/07/21 10:55
Matrix: Water
Date Received: 01/08/21 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517404	01/14/21 17:59	BEP	TAL PEN
Total/NA	Prep	3520C			243.8 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517294	01/13/21 16:39	S1B	TAL PEN
Total/NA	Prep	3520C			243.8 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517312	01/13/21 18:55	PP1	TAL PEN
Total/NA	Prep	8011			32.6 mL	35 mL	517057	01/11/21 12:14	DS	TAL PEN
Total/NA	Analysis	8011		1			517065	01/11/21 21:34	DS	TAL PEN

Client Sample ID: MW6B-ROX-010721

Lab Sample ID: 400-198004-9

Date Collected: 01/07/21 12:00
Matrix: Water
Date Received: 01/08/21 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517404	01/14/21 18:25	BEP	TAL PEN
Total/NA	Prep	3520C			247.2 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517294	01/13/21 17:01	S1B	TAL PEN
Total/NA	Prep	3520C			247.2 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517312	01/13/21 19:11	PP1	TAL PEN
Total/NA	Prep	8011			34.4 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 16:17	DS	TAL PEN

Client Sample ID: MW6C-ROX-010721

Lab Sample ID: 400-198004-10

Date Collected: 01/07/21 12:45
Matrix: Water
Date Received: 01/08/21 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517404	01/14/21 18:51	BEP	TAL PEN
Total/NA	Prep	3520C			256.6 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517209	01/13/21 01:35	S1B	TAL PEN
Total/NA	Prep	3520C			256.6 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517312	01/13/21 19:26	PP1	TAL PEN
Total/NA	Prep	8011			33.2 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 16:36	DS	TAL PEN

Client Sample ID: MW6D-ROX-010721

Lab Sample ID: 400-198004-11

Date Collected: 01/07/21 13:35
Matrix: Water
Date Received: 01/08/21 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517404	01/14/21 19:17	BEP	TAL PEN
Total/NA	Prep	3520C			257.4 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517209	01/13/21 02:00	S1B	TAL PEN
Total/NA	Prep	3520C			257.4 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517312	01/13/21 19:42	PP1	TAL PEN
Total/NA	Prep	8011			34.8 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 16:56	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517023/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 18:22	S1B	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517184	01/12/21 20:50	PP1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517057/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517057	01/11/21 12:14	DS	TAL PEN
Total/NA	Analysis	8011		1			517065	01/11/21 14:05	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517124/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 12:03	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517404/28

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517404	01/14/21 10:07	BEP	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-517023/2-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1	0.4 mL	1.0 mL	517182	01/12/21 19:25	S1B	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			517184	01/12/21 21:06	PP1	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-517023/3-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 18:43	S1B	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-517057/2-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517057	01/11/21 12:14	DS	TAL PEN
Total/NA	Analysis	8011		1			517065	01/11/21 14:25	DS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-517124/2-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 12:22	DS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-517404/53

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517404	01/14/21 16:14	BEP	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-517023/24-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:25	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 19:46	S1B	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:25	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			517184	01/12/21 21:21	PP1	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-517023/4-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 19:04	S1B	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-517057/3-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517057	01/11/21 12:14	DS	TAL PEN
Total/NA	Analysis	8011		1			517065	01/11/21 14:44	DS	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-517124/3-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 12:42	DS	TAL PEN

Client Sample ID: MW12-ROX-010721 — **Lab Sample ID: 400-198004-4 MS**
Date Collected: 01/07/21 11:15 — **Matrix: Water**
Date Received: 01/08/21 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517404	01/14/21 13:10	BEP	TAL PEN

Client Sample ID: MW12-ROX-010721 — **Lab Sample ID: 400-198004-4 MSD**
Date Collected: 01/07/21 11:15 — **Matrix: Water**
Date Received: 01/08/21 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517404	01/14/21 13:37	BEP	TAL PEN

Laboratory References:
TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 517404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198004-1	TB-ROX-010721-8260-A	Total/NA	Water	8260B	
400-198004-3	MW12-ROX-010721-EB	Total/NA	Water	8260B	
400-198004-4	MW12-ROX-010721	Total/NA	Water	8260B	
400-198004-6	TB-ROX-010721-8260-B	Total/NA	Water	8260B	
400-198004-7	MW6A-ROX-010721-EB	Total/NA	Water	8260B	
400-198004-8	MW6A-ROX-010721	Total/NA	Water	8260B	
400-198004-9	MW6B-ROX-010721	Total/NA	Water	8260B	
400-198004-10	MW6C-ROX-010721	Total/NA	Water	8260B	
400-198004-11	MW6D-ROX-010721	Total/NA	Water	8260B	
MB 400-517404/28	Method Blank	Total/NA	Water	8260B	
LCS 400-517404/53	Lab Control Sample	Total/NA	Water	8260B	
400-198004-4 MS	MW12-ROX-010721	Total/NA	Water	8260B	
400-198004-4 MSD	MW12-ROX-010721	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 517023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198004-3	MW12-ROX-010721-EB	Total/NA	Water	3520C	
400-198004-4	MW12-ROX-010721	Total/NA	Water	3520C	
400-198004-7	MW6A-ROX-010721-EB	Total/NA	Water	3520C	
400-198004-8	MW6A-ROX-010721	Total/NA	Water	3520C	
400-198004-9	MW6B-ROX-010721	Total/NA	Water	3520C	
400-198004-10	MW6C-ROX-010721	Total/NA	Water	3520C	
400-198004-11	MW6D-ROX-010721	Total/NA	Water	3520C	
MB 400-517023/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-517023/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-517023/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-517023/24-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-517023/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 517182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198004-3	MW12-ROX-010721-EB	Total/NA	Water	8270D	517023
400-198004-4	MW12-ROX-010721	Total/NA	Water	8270D	517023
MB 400-517023/1-A	Method Blank	Total/NA	Water	8270D	517023
LCS 400-517023/2-A	Lab Control Sample	Total/NA	Water	8270D	517023
LCS 400-517023/3-A	Lab Control Sample	Total/NA	Water	8270D	517023
LCSD 400-517023/24-A	Lab Control Sample Dup	Total/NA	Water	8270D	517023
LCSD 400-517023/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	517023

Analysis Batch: 517184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-517023/1-A	Method Blank	Total/NA	Water	8270D LL	517023
LCS 400-517023/2-A	Lab Control Sample	Total/NA	Water	8270D LL	517023
LCSD 400-517023/24-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	517023

Analysis Batch: 517209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198004-10	MW6C-ROX-010721	Total/NA	Water	8270D	517023
400-198004-11	MW6D-ROX-010721	Total/NA	Water	8270D	517023

GC/MS Semi VOA

Analysis Batch: 517294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198004-7	MW6A-ROX-010721-EB	Total/NA	Water	8270D	517023
400-198004-8	MW6A-ROX-010721	Total/NA	Water	8270D	517023
400-198004-9	MW6B-ROX-010721	Total/NA	Water	8270D	517023

Analysis Batch: 517312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198004-3	MW12-ROX-010721-EB	Total/NA	Water	8270D LL	517023
400-198004-4	MW12-ROX-010721	Total/NA	Water	8270D LL	517023
400-198004-7	MW6A-ROX-010721-EB	Total/NA	Water	8270D LL	517023
400-198004-8	MW6A-ROX-010721	Total/NA	Water	8270D LL	517023
400-198004-9	MW6B-ROX-010721	Total/NA	Water	8270D LL	517023
400-198004-10	MW6C-ROX-010721	Total/NA	Water	8270D LL	517023
400-198004-11	MW6D-ROX-010721	Total/NA	Water	8270D LL	517023

GC Semi VOA

Prep Batch: 517057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198004-2	TB-ROX-010721-8011-A	Total/NA	Water	8011	
400-198004-3	MW12-ROX-010721-EB	Total/NA	Water	8011	
400-198004-4	MW12-ROX-010721	Total/NA	Water	8011	
400-198004-5	TB-ROX-010721-8011-B	Total/NA	Water	8011	
400-198004-7	MW6A-ROX-010721-EB	Total/NA	Water	8011	
400-198004-8	MW6A-ROX-010721	Total/NA	Water	8011	
MB 400-517057/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-517057/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-517057/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 517065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198004-2	TB-ROX-010721-8011-A	Total/NA	Water	8011	517057
400-198004-3	MW12-ROX-010721-EB	Total/NA	Water	8011	517057
400-198004-4	MW12-ROX-010721	Total/NA	Water	8011	517057
400-198004-5	TB-ROX-010721-8011-B	Total/NA	Water	8011	517057
400-198004-7	MW6A-ROX-010721-EB	Total/NA	Water	8011	517057
400-198004-8	MW6A-ROX-010721	Total/NA	Water	8011	517057
MB 400-517057/1-A	Method Blank	Total/NA	Water	8011	517057
LCS 400-517057/2-A	Lab Control Sample	Total/NA	Water	8011	517057
LCSD 400-517057/3-A	Lab Control Sample Dup	Total/NA	Water	8011	517057

Prep Batch: 517124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198004-9	MW6B-ROX-010721	Total/NA	Water	8011	
400-198004-10	MW6C-ROX-010721	Total/NA	Water	8011	
400-198004-11	MW6D-ROX-010721	Total/NA	Water	8011	
MB 400-517124/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-517124/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-517124/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

GC Semi VOA

Analysis Batch: 517153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198004-9	MW6B-ROX-010721	Total/NA	Water	8011	517124
400-198004-10	MW6C-ROX-010721	Total/NA	Water	8011	517124
400-198004-11	MW6D-ROX-010721	Total/NA	Water	8011	517124
MB 400-517124/1-A	Method Blank	Total/NA	Water	8011	517124
LCS 400-517124/2-A	Lab Control Sample	Total/NA	Water	8011	517124
LCSD 400-517124/3-A	Lab Control Sample Dup	Total/NA	Water	8011	517124

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-517404/28
Matrix: Water
Analysis Batch: 517404

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/14/21 10:07	1
Acrolein	ND		20	10	ug/L			01/14/21 10:07	1
Acrylonitrile	ND		10	2.8	ug/L			01/14/21 10:07	1
Benzene	ND		1.0	0.38	ug/L			01/14/21 10:07	1
Bromobenzene	ND		1.0	0.54	ug/L			01/14/21 10:07	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/14/21 10:07	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/14/21 10:07	1
Bromoform	ND		5.0	0.71	ug/L			01/14/21 10:07	1
Bromomethane	ND		1.0	0.98	ug/L			01/14/21 10:07	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/14/21 10:07	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/14/21 10:07	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/14/21 10:07	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/14/21 10:07	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/14/21 10:07	1
Chloroethane	ND		1.0	0.76	ug/L			01/14/21 10:07	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/14/21 10:07	1
Chloroform	ND		1.0	0.60	ug/L			01/14/21 10:07	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/14/21 10:07	1
Chloromethane	ND		1.0	0.83	ug/L			01/14/21 10:07	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 10:07	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 10:07	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/14/21 10:07	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/14/21 10:07	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/14/21 10:07	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/14/21 10:07	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/14/21 10:07	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/14/21 10:07	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 10:07	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 10:07	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 10:07	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/14/21 10:07	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/14/21 10:07	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/14/21 10:07	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/14/21 10:07	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/14/21 10:07	1
2-Hexanone	ND		25	3.1	ug/L			01/14/21 10:07	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/14/21 10:07	1
Methylene bromide	ND		5.0	0.59	ug/L			01/14/21 10:07	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/14/21 10:07	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/14/21 10:07	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/14/21 10:07	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/14/21 10:07	1
Naphthalene	ND		1.0	1.0	ug/L			01/14/21 10:07	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/14/21 10:07	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/14/21 10:07	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/14/21 10:07	1
o-Xylene	ND		5.0	0.60	ug/L			01/14/21 10:07	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/14/21 10:07	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517404/28
Matrix: Water
Analysis Batch: 517404

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/14/21 10:07	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/14/21 10:07	1
Styrene	ND		1.0	1.0	ug/L			01/14/21 10:07	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/14/21 10:07	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/14/21 10:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/14/21 10:07	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/14/21 10:07	1
Toluene	ND		1.0	0.41	ug/L			01/14/21 10:07	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/14/21 10:07	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/14/21 10:07	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/14/21 10:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/14/21 10:07	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/14/21 10:07	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/14/21 10:07	1
Trichloroethene	ND		1.0	0.50	ug/L			01/14/21 10:07	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/14/21 10:07	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/14/21 10:07	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/14/21 10:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/14/21 10:07	1
Vinyl acetate	ND		25	2.0	ug/L			01/14/21 10:07	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/14/21 10:07	1
Xylenes, Total	ND		10	1.6	ug/L			01/14/21 10:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*78 - 118*		*01/14/21 10:07*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/14/21 10:07*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*01/14/21 10:07*	*1*

Lab Sample ID: LCS 400-517404/53
Matrix: Water
Analysis Batch: 517404

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	159		ug/L		79	43 - 160
Acrolein	500	482		ug/L		96	38 - 160
Acrylonitrile	500	511		ug/L		102	64 - 142
Benzene	50.0	62.7		ug/L		125	70 - 130
Bromobenzene	50.0	42.3		ug/L		85	70 - 132
Bromochloromethane	50.0	52.2		ug/L		104	70 - 130
Bromodichloromethane	50.0	61.7		ug/L		123	67 - 133
Bromoform	50.0	45.7		ug/L		91	57 - 140
Bromomethane	50.0	50.3		ug/L		101	10 - 160
2-Butanone (MEK)	200	239		ug/L		120	61 - 145
Carbon disulfide	50.0	34.9		ug/L		70	61 - 137
Carbon tetrachloride	50.0	62.2		ug/L		124	61 - 137
Chlorobenzene	50.0	48.7		ug/L		97	70 - 130
Dibromochloromethane	50.0	48.9		ug/L		98	67 - 135
Chloroethane	50.0	67.7		ug/L		135	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517404/53
Matrix: Water
Analysis Batch: 517404

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	50.0	75.3		ug/L		151	10 - 160
Chloroform	50.0	57.8		ug/L		116	69 - 130
1-Chlorohexane	50.0	67.4	*+	ug/L		135	69 - 130
Chloromethane	50.0	67.8		ug/L		136	58 - 137
cis-1,2-Dichloroethene	50.0	63.7		ug/L		127	68 - 130
cis-1,3-Dichloropropene	50.0	65.1		ug/L		130	69 - 132
1,2-Dichlorobenzene	50.0	40.8		ug/L		82	67 - 130
1,3-Dichlorobenzene	50.0	42.2		ug/L		84	70 - 130
1,4-Dichlorobenzene	50.0	42.7		ug/L		85	70 - 130
Dichlorodifluoromethane	50.0	91.7	*+	ug/L		183	41 - 146
1,1-Dichloroethane	50.0	65.5	*+	ug/L		131	70 - 130
1,2-Dichloroethane	50.0	57.1		ug/L		114	69 - 130
1,1-Dichloroethene	50.0	35.8		ug/L		72	63 - 134
1,2-Dichloropropane	50.0	68.0	*+	ug/L		136	70 - 130
1,3-Dichloropropane	50.0	48.3		ug/L		97	70 - 130
2,2-Dichloropropane	50.0	51.8		ug/L		104	52 - 135
1,1-Dichloropropene	50.0	60.9		ug/L		122	70 - 130
Ethylbenzene	50.0	52.6		ug/L		105	70 - 130
Ethyl methacrylate	50.0	49.3		ug/L		99	68 - 130
Hexachlorobutadiene	50.0	46.7		ug/L		93	53 - 140
2-Hexanone	200	198		ug/L		99	65 - 137
Isopropylbenzene	50.0	51.0		ug/L		102	70 - 130
Methylene bromide	50.0	58.0		ug/L		116	70 - 130
Methylene Chloride	50.0	45.2		ug/L		90	66 - 135
4-Methyl-2-pentanone (MIBK)	200	219		ug/L		110	69 - 138
Methyl tert-butyl ether	50.0	42.2		ug/L		84	66 - 130
m-Xylene & p-Xylene	50.0	51.6		ug/L		103	70 - 130
Naphthalene	50.0	41.9		ug/L		84	47 - 149
n-Butylbenzene	50.0	52.7		ug/L		105	67 - 130
N-Propylbenzene	50.0	47.0		ug/L		94	70 - 130
o-Chlorotoluene	50.0	47.4		ug/L		95	70 - 130
o-Xylene	50.0	49.6		ug/L		99	70 - 130
p-Chlorotoluene	50.0	48.1		ug/L		96	70 - 130
p-Isopropyltoluene	50.0	48.1		ug/L		96	65 - 130
sec-Butylbenzene	50.0	49.3		ug/L		99	66 - 130
Styrene	50.0	47.2		ug/L		94	70 - 130
tert-Butylbenzene	50.0	46.9		ug/L		94	64 - 139
1,1,1,2-Tetrachloroethane	50.0	49.1		ug/L		98	67 - 131
1,1,2,2-Tetrachloroethane	50.0	44.9		ug/L		90	70 - 131
Tetrachloroethene	50.0	43.5		ug/L		87	65 - 130
Toluene	50.0	51.1		ug/L		102	70 - 130
trans-1,2-Dichloroethene	50.0	45.4		ug/L		91	70 - 130
trans-1,3-Dichloropropene	50.0	49.4		ug/L		99	63 - 130
1,2,3-Trichlorobenzene	50.0	44.6		ug/L		89	60 - 138
1,2,4-Trichlorobenzene	50.0	44.4		ug/L		89	60 - 140
1,1,1-Trichloroethane	50.0	56.2		ug/L		112	68 - 130
1,1,2-Trichloroethane	50.0	47.4		ug/L		95	70 - 130
Trichloroethene	50.0	56.3		ug/L		113	70 - 130
Trichlorofluoromethane	50.0	40.5		ug/L		81	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517404/53
Matrix: Water
Analysis Batch: 517404

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	50.0	40.4		ug/L		81	70 - 130
1,2,4-Trimethylbenzene	50.0	45.9		ug/L		92	70 - 130
1,3,5-Trimethylbenzene	50.0	46.3		ug/L		93	69 - 130
Vinyl acetate	100	128		ug/L		128	26 - 160
Vinyl chloride	50.0	80.2	*+	ug/L		160	59 - 136
Xylenes, Total	100	101		ug/L		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*88*		*80 - 120*

Lab Sample ID: 400-198004-4 MS
Matrix: Water
Analysis Batch: 517404

Client Sample ID: MW12-ROX-010721
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	143		ug/L		72	43 - 150
Acrolein	ND		500	465		ug/L		93	38 - 150
Acrylonitrile	ND		500	568		ug/L		114	62 - 149
Benzene	ND		50.0	55.4		ug/L		111	56 - 142
Bromobenzene	ND		50.0	33.1		ug/L		66	59 - 136
Bromochloromethane	ND		50.0	49.5		ug/L		99	64 - 140
Bromodichloromethane	ND		50.0	54.4		ug/L		109	59 - 143
Bromoform	ND		50.0	43.4		ug/L		87	50 - 140
Bromomethane	ND		50.0	46.8		ug/L		94	10 - 150
2-Butanone (MEK)	ND		200	233		ug/L		117	55 - 150
Carbon disulfide	ND	*-	50.0	30.8		ug/L		62	48 - 150
Carbon tetrachloride	ND		50.0	52.5		ug/L		105	55 - 145
Chlorobenzene	ND		50.0	37.3		ug/L		75	64 - 130
Dibromochloromethane	ND		50.0	44.1		ug/L		88	56 - 143
Chloroethane	ND		50.0	56.2		ug/L		112	50 - 150
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150
Chloroform	ND		50.0	52.6		ug/L		105	60 - 141
1-Chlorohexane	ND		50.0	44.9		ug/L		90	56 - 136
Chloromethane	ND		50.0	64.8		ug/L		130	49 - 148
cis-1,2-Dichloroethene	ND		50.0	58.2		ug/L		116	59 - 143
cis-1,3-Dichloropropene	ND		50.0	55.2		ug/L		110	57 - 140
1,2-Dichlorobenzene	ND		50.0	30.7		ug/L		61	52 - 137
1,3-Dichlorobenzene	ND		50.0	29.8		ug/L		60	54 - 135
1,4-Dichlorobenzene	ND		50.0	30.4		ug/L		61	53 - 135
Dichlorodifluoromethane	ND	*+	50.0	65.5		ug/L		131	16 - 150
1,1-Dichloroethane	ND		50.0	61.9		ug/L		124	61 - 144
1,2-Dichloroethane	ND		50.0	53.7		ug/L		107	60 - 141
1,1-Dichloroethene	ND		50.0	33.7		ug/L		67	54 - 147
1,2-Dichloropropane	ND		50.0	62.4		ug/L		125	66 - 137
1,3-Dichloropropane	ND		50.0	45.7		ug/L		91	66 - 133
2,2-Dichloropropane	ND		50.0	48.1		ug/L		96	42 - 144

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198004-4 MS
Matrix: Water
Analysis Batch: 517404

Client Sample ID: MW12-ROX-010721
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	ND		50.0	52.5		ug/L		105	65 - 136
Ethylbenzene	ND		50.0	39.4		ug/L		79	58 - 131
Ethyl methacrylate	ND		50.0	48.8		ug/L		98	64 - 130
Hexachlorobutadiene	ND		50.0	25.4		ug/L		51	31 - 149
2-Hexanone	ND		200	207		ug/L		104	65 - 140
Isopropylbenzene	ND		50.0	34.0		ug/L		68	56 - 133
Methylene bromide	ND		50.0	53.4		ug/L		107	63 - 138
Methylene Chloride	ND		50.0	42.7		ug/L		85	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	225		ug/L		112	63 - 146
Methyl tert-butyl ether	ND		50.0	45.3		ug/L		91	59 - 137
m-Xylene & p-Xylene	ND		50.0	35.6		ug/L		71	57 - 130
Naphthalene	ND		50.0	37.9		ug/L		76	25 - 150
n-Butylbenzene	ND		50.0	29.8		ug/L		60	41 - 142
N-Propylbenzene	ND		50.0	29.9		ug/L		60	51 - 138
o-Chlorotoluene	ND		50.0	32.9		ug/L		66	53 - 134
o-Xylene	ND		50.0	36.3		ug/L		73	61 - 130
p-Chlorotoluene	ND		50.0	32.6		ug/L		65	54 - 133
p-Isopropyltoluene	ND		50.0	28.8		ug/L		58	48 - 139
sec-Butylbenzene	ND		50.0	29.8		ug/L		60	50 - 138
Styrene	ND		50.0	34.9		ug/L		70	58 - 131
tert-Butylbenzene	ND		50.0	31.0		ug/L		62	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	41.9		ug/L		84	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	44.6		ug/L		89	66 - 135
Tetrachloroethene	ND		50.0	29.9		ug/L		60	52 - 133
Toluene	ND		50.0	41.3		ug/L		83	65 - 130
trans-1,2-Dichloroethene	ND		50.0	43.3		ug/L		87	61 - 143
trans-1,3-Dichloropropene	ND		50.0	45.0		ug/L		90	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	34.9		ug/L		70	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	32.3		ug/L		65	39 - 148
1,1,1-Trichloroethane	ND		50.0	49.5		ug/L		99	57 - 142
1,1,2-Trichloroethane	ND		50.0	44.9		ug/L		90	66 - 131
Trichloroethene	ND		50.0	44.6		ug/L		89	64 - 136
Trichlorofluoromethane	ND		50.0	35.5		ug/L		71	54 - 150
1,2,3-Trichloropropane	ND	*-	50.0	39.8		ug/L		80	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	30.9		ug/L		62	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	30.9		ug/L		62	52 - 135
Vinyl acetate	ND		100	120		ug/L		120	26 - 150
Vinyl chloride	ND	F1 *+	50.0	77.4	F1	ug/L		155	46 - 150
Xylenes, Total	ND		100	71.9		ug/L		72	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*90*		*80 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198004-4 MSD
Matrix: Water
Analysis Batch: 517404

Client Sample ID: MW12-ROX-010721
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		200	144		ug/L		72	43 - 150	1	30
Acrolein	ND		500	477		ug/L		95	38 - 150	3	31
Acrylonitrile	ND		500	605		ug/L		121	62 - 149	6	30
Benzene	ND		50.0	53.4		ug/L		107	56 - 142	4	30
Bromobenzene	ND		50.0	32.8		ug/L		66	59 - 136	1	30
Bromochloromethane	ND		50.0	47.9		ug/L		96	64 - 140	3	30
Bromodichloromethane	ND		50.0	53.5		ug/L		107	59 - 143	2	30
Bromoform	ND		50.0	43.3		ug/L		87	50 - 140	0	30
Bromomethane	ND		50.0	45.0		ug/L		90	10 - 150	4	50
2-Butanone (MEK)	ND		200	232		ug/L		116	55 - 150	0	30
Carbon disulfide	ND	*-	50.0	29.8		ug/L		60	48 - 150	3	30
Carbon tetrachloride	ND		50.0	51.4		ug/L		103	55 - 145	2	30
Chlorobenzene	ND		50.0	36.6		ug/L		73	64 - 130	2	30
Dibromochloromethane	ND		50.0	43.8		ug/L		88	56 - 143	1	30
Chloroethane	ND		50.0	51.1		ug/L		102	50 - 150	10	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	51.3		ug/L		103	60 - 141	3	30
1-Chlorohexane	ND		50.0	44.2		ug/L		88	56 - 136	2	30
Chloromethane	ND		50.0	61.4		ug/L		123	49 - 148	5	31
cis-1,2-Dichloroethene	ND		50.0	56.7		ug/L		113	59 - 143	2	30
cis-1,3-Dichloropropene	ND		50.0	54.9		ug/L		110	57 - 140	1	30
1,2-Dichlorobenzene	ND		50.0	30.2		ug/L		60	52 - 137	2	30
1,3-Dichlorobenzene	ND		50.0	29.7		ug/L		59	54 - 135	0	30
1,4-Dichlorobenzene	ND		50.0	29.8		ug/L		60	53 - 135	2	30
Dichlorodifluoromethane	ND	*+	50.0	62.8		ug/L		126	16 - 150	4	31
1,1-Dichloroethane	ND		50.0	60.2		ug/L		120	61 - 144	3	30
1,2-Dichloroethane	ND		50.0	51.9		ug/L		104	60 - 141	3	30
1,1-Dichloroethene	ND		50.0	32.2		ug/L		64	54 - 147	5	30
1,2-Dichloropropane	ND		50.0	61.2		ug/L		122	66 - 137	2	30
1,3-Dichloropropane	ND		50.0	44.0		ug/L		88	66 - 133	4	30
2,2-Dichloropropane	ND		50.0	46.8		ug/L		94	42 - 144	3	31
1,1-Dichloropropene	ND		50.0	49.9		ug/L		100	65 - 136	5	30
Ethylbenzene	ND		50.0	37.1		ug/L		74	58 - 131	6	30
Ethyl methacrylate	ND		50.0	49.0		ug/L		98	64 - 130	0	30
Hexachlorobutadiene	ND		50.0	26.3		ug/L		53	31 - 149	3	36
2-Hexanone	ND		200	208		ug/L		104	65 - 140	0	30
Isopropylbenzene	ND		50.0	33.7		ug/L		67	56 - 133	1	30
Methylene bromide	ND		50.0	51.9		ug/L		104	63 - 138	3	30
Methylene Chloride	ND		50.0	34.2		ug/L		68	60 - 146	22	32
4-Methyl-2-pentanone (MIBK)	ND		200	227		ug/L		113	63 - 146	1	30
Methyl tert-butyl ether	ND		50.0	45.5		ug/L		91	59 - 137	0	30
m-Xylene & p-Xylene	ND		50.0	35.9		ug/L		72	57 - 130	1	30
Naphthalene	ND		50.0	38.2		ug/L		76	25 - 150	1	30
n-Butylbenzene	ND		50.0	30.7		ug/L		61	41 - 142	3	31
N-Propylbenzene	ND		50.0	29.6		ug/L		59	51 - 138	1	30
o-Chlorotoluene	ND		50.0	32.4		ug/L		65	53 - 134	2	30
o-Xylene	ND		50.0	35.8		ug/L		72	61 - 130	1	30
p-Chlorotoluene	ND		50.0	32.2		ug/L		64	54 - 133	1	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198004-4 MSD
Matrix: Water
Analysis Batch: 517404

Client Sample ID: MW12-ROX-010721
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p-Isopropyltoluene	ND		50.0	29.0		ug/L		58	48 - 139	0	30
sec-Butylbenzene	ND		50.0	29.9		ug/L		60	50 - 138	0	30
Styrene	ND		50.0	34.7		ug/L		69	58 - 131	1	30
tert-Butylbenzene	ND		50.0	30.5		ug/L		61	54 - 146	1	30
1,1,1,2-Tetrachloroethane	ND		50.0	41.0		ug/L		82	59 - 137	2	30
1,1,2,2-Tetrachloroethane	ND		50.0	43.5		ug/L		87	66 - 135	3	30
Tetrachloroethene	ND		50.0	28.8		ug/L		58	52 - 133	4	30
Toluene	ND		50.0	40.2		ug/L		80	65 - 130	3	30
trans-1,2-Dichloroethene	ND		50.0	43.2		ug/L		86	61 - 143	0	30
trans-1,3-Dichloropropene	ND		50.0	43.6		ug/L		87	53 - 133	3	30
1,2,3-Trichlorobenzene	ND		50.0	34.9		ug/L		70	43 - 145	0	30
1,2,4-Trichlorobenzene	ND		50.0	32.1		ug/L		64	39 - 148	0	30
1,1,1-Trichloroethane	ND		50.0	48.6		ug/L		97	57 - 142	2	30
1,1,2-Trichloroethane	ND		50.0	43.6		ug/L		87	66 - 131	3	30
Trichloroethene	ND		50.0	43.7		ug/L		87	64 - 136	2	30
Trichlorofluoromethane	ND		50.0	35.1		ug/L		70	54 - 150	1	30
1,2,3-Trichloropropane	ND	*-	50.0	38.5		ug/L		77	65 - 133	3	30
1,2,4-Trimethylbenzene	ND		50.0	30.6		ug/L		61	50 - 139	1	30
1,3,5-Trimethylbenzene	ND		50.0	30.8		ug/L		62	52 - 135	0	30
Vinyl acetate	ND		100	122		ug/L		122	26 - 150	1	33
Vinyl chloride	ND	F1 *+	50.0	73.5		ug/L		147	46 - 150	5	30
Xylenes, Total	ND		100	71.8		ug/L		72	59 - 130	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*78 - 118*
Dibromofluoromethane	*99*		*81 - 121*
Toluene-d8 (Surr)	*89*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-517023/1-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		2.5	0.95	ug/L		01/11/21 09:10	01/12/21 18:22	1
Benzenethiol	ND		2.5	0.43	ug/L		01/11/21 09:10	01/12/21 18:22	1
Benzoic acid	ND		7.5	1.8	ug/L		01/11/21 09:10	01/12/21 18:22	1
Benzyl alcohol	ND		2.5	0.50	ug/L		01/11/21 09:10	01/12/21 18:22	1
Bis(2-chloroethoxy)methane	ND		2.5	0.040	ug/L		01/11/21 09:10	01/12/21 18:22	1
Bis(2-chloroethyl)ether	ND		2.5	0.68	ug/L		01/11/21 09:10	01/12/21 18:22	1
bis (2-chloroisopropyl) ether	ND		2.5	0.040	ug/L		01/11/21 09:10	01/12/21 18:22	1
Bis(2-ethylhexyl) phthalate	ND		2.5	1.3	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Bromophenyl phenyl ether	ND		2.5	0.050	ug/L		01/11/21 09:10	01/12/21 18:22	1
Butyl benzyl phthalate	ND		2.5	0.048	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Chloroaniline	ND		2.5	0.85	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Chloro-3-methylphenol	ND		2.5	0.95	ug/L		01/11/21 09:10	01/12/21 18:22	1
2-Chloronaphthalene	ND		2.5	0.035	ug/L		01/11/21 09:10	01/12/21 18:22	1
2-Chlorophenol	ND		2.5	0.55	ug/L		01/11/21 09:10	01/12/21 18:22	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517023/1-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		2.5	0.50	ug/L		01/11/21 09:10	01/12/21 18:22	1
Dibenz[a,h]acridine	ND		2.5	0.25	ug/L		01/11/21 09:10	01/12/21 18:22	1
Dibenzofuran	ND		2.5	0.043	ug/L		01/11/21 09:10	01/12/21 18:22	1
3,3'-Dichlorobenzidine	ND		2.5	0.65	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4-Dichlorophenol	ND		2.5	0.75	ug/L		01/11/21 09:10	01/12/21 18:22	1
Diethyl phthalate	ND		2.5	0.060	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4-Dimethylphenol	ND		2.5	0.88	ug/L		01/11/21 09:10	01/12/21 18:22	1
Dimethyl phthalate	ND		2.5	0.043	ug/L		01/11/21 09:10	01/12/21 18:22	1
Di-n-butyl phthalate	ND		2.5	0.68	ug/L		01/11/21 09:10	01/12/21 18:22	1
4,6-Dinitro-ortho-cresol	ND		2.5	0.40	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4-Dinitrophenol	ND		7.5	0.85	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4-Dinitrotoluene	ND		2.5	0.48	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,6-Dinitrotoluene	ND		2.5	0.48	ug/L		01/11/21 09:10	01/12/21 18:22	1
Di-n-octyl phthalate	ND		2.5	0.043	ug/L		01/11/21 09:10	01/12/21 18:22	1
1,4-Dioxane	ND		2.5	0.25	ug/L		01/11/21 09:10	01/12/21 18:22	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		2.5	0.25	ug/L		01/11/21 09:10	01/12/21 18:22	1
Hexachlorobenzene	ND		2.5	0.043	ug/L		01/11/21 09:10	01/12/21 18:22	1
Hexachlorocyclopentadiene	ND		5.0	0.65	ug/L		01/11/21 09:10	01/12/21 18:22	1
Hexachloroethane	ND		2.5	1.1	ug/L		01/11/21 09:10	01/12/21 18:22	1
Indene	ND		2.5	0.25	ug/L		01/11/21 09:10	01/12/21 18:22	1
Isophorone	ND		2.5	0.035	ug/L		01/11/21 09:10	01/12/21 18:22	1
2-Methylphenol	ND		2.5	0.45	ug/L		01/11/21 09:10	01/12/21 18:22	1
3 & 4 Methylphenol	ND		5.0	0.098	ug/L		01/11/21 09:10	01/12/21 18:22	1
2-Nitroaniline	ND		2.5	0.55	ug/L		01/11/21 09:10	01/12/21 18:22	1
3-Nitroaniline	ND		2.5	0.45	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Nitroaniline	ND		2.5	0.38	ug/L		01/11/21 09:10	01/12/21 18:22	1
Nitrobenzene	ND		2.5	0.033	ug/L		01/11/21 09:10	01/12/21 18:22	1
2-Nitrophenol	ND		2.5	1.3	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Nitrophenol	ND		2.5	0.53	ug/L		01/11/21 09:10	01/12/21 18:22	1
N-Nitrosodimethylamine	ND		2.5	0.88	ug/L		01/11/21 09:10	01/12/21 18:22	1
N-Nitrosodi-n-propylamine	ND		2.5	0.83	ug/L		01/11/21 09:10	01/12/21 18:22	1
N-Nitrosodiphenylamine	ND		2.5	0.045	ug/L		01/11/21 09:10	01/12/21 18:22	1
Pentachlorophenol	ND		5.0	0.35	ug/L		01/11/21 09:10	01/12/21 18:22	1
Phenol	ND		2.5	0.65	ug/L		01/11/21 09:10	01/12/21 18:22	1
Pyridine	ND		2.5	0.80	ug/L		01/11/21 09:10	01/12/21 18:22	1
Quinoline	ND		2.5	1.1	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4,5-Trichlorophenol	ND		2.5	0.93	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4,6-Trichlorophenol	ND		2.5	0.88	ug/L		01/11/21 09:10	01/12/21 18:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*46 - 124*	*01/11/21 09:10*	*01/12/21 18:22*	*1*
2-Fluorophenol	*56*		*13 - 113*	*01/11/21 09:10*	*01/12/21 18:22*	*1*
Nitrobenzene-d5	*77*		*36 - 126*	*01/11/21 09:10*	*01/12/21 18:22*	*1*
Phenol-d5	*78*		*17 - 127*	*01/11/21 09:10*	*01/12/21 18:22*	*1*
Terphenyl-d14	*87*		*44 - 149*	*01/11/21 09:10*	*01/12/21 18:22*	*1*
2,4,6-Tribromophenol	*73*		*26 - 150*	*01/11/21 09:10*	*01/12/21 18:22*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517023/2-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	22.7		ug/L		76	21 - 120
Benzoic acid	125	87.6		ug/L		70	10 - 144
Benzyl alcohol	30.0	24.9		ug/L		83	28 - 120
Bis(2-chloroethoxy)methane	30.0	23.0		ug/L		77	47 - 120
Bis(2-chloroethyl)ether	30.0	24.0		ug/L		80	44 - 120
bis (2-chloroisopropyl) ether	30.0	22.4		ug/L		75	33 - 121
Bis(2-ethylhexyl) phthalate	30.0	27.0		ug/L		90	52 - 147
4-Bromophenyl phenyl ether	30.0	25.7		ug/L		86	54 - 122
Butyl benzyl phthalate	30.0	25.7		ug/L		86	54 - 133
4-Chloroaniline	30.0	17.0		ug/L		57	26 - 120
4-Chloro-3-methylphenol	30.0	24.3		ug/L		81	48 - 131
2-Chloronaphthalene	30.0	25.5		ug/L		85	52 - 121
2-Chlorophenol	30.0	24.1		ug/L		80	40 - 120
4-Chlorophenyl phenyl ether	30.0	27.5		ug/L		92	56 - 125
Dibenz[a,h]acridine	30.0	26.6		ug/L		89	31 - 150
Dibenzofuran	30.0	25.8		ug/L		86	56 - 122
3,3'-Dichlorobenzidine	40.0	40.0		ug/L		100	36 - 132
2,4-Dichlorophenol	30.0	24.4		ug/L		81	49 - 120
Diethyl phthalate	30.0	25.7		ug/L		86	50 - 137
2,4-Dimethylphenol	30.0	22.8		ug/L		76	48 - 120
Dimethyl phthalate	30.0	26.1		ug/L		87	57 - 124
Di-n-butyl phthalate	30.0	26.6		ug/L		89	58 - 126
4,6-Dinitro-ortho-cresol	60.0	57.0		ug/L		95	23 - 148
2,4-Dinitrophenol	60.0	66.2		ug/L		110	10 - 150
2,4-Dinitrotoluene	30.0	28.1		ug/L		94	54 - 142
2,6-Dinitrotoluene	30.0	26.5		ug/L		88	55 - 130
Di-n-octyl phthalate	30.0	27.1		ug/L		90	57 - 138
1,4-Dioxane	30.0	18.6		ug/L		62	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	30.0	23.9		ug/L		80	45 - 124
Hexachlorobenzene	30.0	25.9		ug/L		86	52 - 129
Hexachlorocyclopentadiene	30.0	22.6		ug/L		75	10 - 134
Hexachloroethane	30.0	21.8		ug/L		73	20 - 120
Indene	30.0	25.0		ug/L		83	49 - 120
Isophorone	30.0	23.2		ug/L		77	48 - 120
2-Methylphenol	30.0	23.4		ug/L		78	46 - 124
3 & 4 Methylphenol	30.0	21.6		ug/L		72	45 - 120
2-Nitroaniline	30.0	25.9		ug/L		86	51 - 145
3-Nitroaniline	30.0	24.9		ug/L		83	37 - 127
4-Nitroaniline	30.0	26.8		ug/L		89	36 - 137
Nitrobenzene	30.0	22.0		ug/L		73	45 - 120
2-Nitrophenol	30.0	25.9		ug/L		86	40 - 124
4-Nitrophenol	60.0	50.8		ug/L		85	23 - 146
N-Nitrosodimethylamine	30.0	19.7		ug/L		66	29 - 137
N-Nitrosodi-n-propylamine	30.0	23.8		ug/L		79	45 - 120
N-Nitrosodiphenylamine	29.8	26.2		ug/L		88	54 - 120
Pentachlorophenol	60.0	59.0		ug/L		98	31 - 130
Phenol	30.0	27.2		ug/L		91	11 - 120
Pyridine	60.0	32.7		ug/L		54	16 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517023/2-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Quinoline	30.0	29.2		ug/L		97	49 - 130
2,4,5-Trichlorophenol	30.0	28.3		ug/L		94	51 - 136
2,4,6-Trichlorophenol	30.0	28.4		ug/L		95	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*46 - 124*
2-Fluorophenol	*62*		*13 - 113*
Nitrobenzene-d5	*72*		*36 - 126*
Phenol-d5	*75*		*17 - 127*
Terphenyl-d14	*77*		*44 - 149*
2,4,6-Tribromophenol	*86*		*26 - 150*

Lab Sample ID: LCS 400-517023/3-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	30.0	22.6		ug/L		75	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*95*		*46 - 124*
2-Fluorophenol	*62*		*13 - 113*
Nitrobenzene-d5	*75*		*36 - 126*
Phenol-d5	*70*		*17 - 127*
Terphenyl-d14	*86*		*44 - 149*
2,4,6-Tribromophenol	*73*		*26 - 150*

Lab Sample ID: LCSD 400-517023/24-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	23.7		ug/L		79	21 - 120	4	30
Benzoic acid	125	89.3		ug/L		71	10 - 144	2	30
Benzyl alcohol	30.0	25.7		ug/L		86	28 - 120	3	30
Bis(2-chloroethoxy)methane	30.0	23.6		ug/L		79	47 - 120	2	30
Bis(2-chloroethyl)ether	30.0	25.5		ug/L		85	44 - 120	6	30
bis (2-chloroisopropyl) ether	30.0	23.8		ug/L		79	33 - 121	6	30
Bis(2-ethylhexyl) phthalate	30.0	28.7		ug/L		96	52 - 147	6	30
4-Bromophenyl phenyl ether	30.0	27.0		ug/L		90	54 - 122	5	30
Butyl benzyl phthalate	30.0	27.8		ug/L		93	54 - 133	8	30
4-Chloroaniline	30.0	17.6		ug/L		59	26 - 120	3	30
4-Chloro-3-methylphenol	30.0	24.7		ug/L		82	48 - 131	2	30
2-Chloronaphthalene	30.0	27.5		ug/L		92	52 - 121	7	30
2-Chlorophenol	30.0	23.9		ug/L		80	40 - 120	1	30
4-Chlorophenyl phenyl ether	30.0	28.6		ug/L		95	56 - 125	4	30
Dibenz[a,h]acridine	30.0	28.6		ug/L		95	31 - 150	7	30
Dibenzofuran	30.0	27.3		ug/L		91	56 - 122	6	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-517023/24-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
3,3'-Dichlorobenzidine	40.0	40.9		ug/L		102	36 - 132	2	30
2,4-Dichlorophenol	30.0	25.1		ug/L		84	49 - 120	3	30
Diethyl phthalate	30.0	27.3		ug/L		91	50 - 137	6	30
2,4-Dimethylphenol	30.0	24.1		ug/L		80	48 - 120	6	30
Dimethyl phthalate	30.0	27.4		ug/L		91	57 - 124	5	30
Di-n-butyl phthalate	30.0	28.4		ug/L		95	58 - 126	7	30
4,6-Dinitro-ortho-cresol	60.0	62.4		ug/L		104	23 - 148	9	30
2,4-Dinitrophenol	60.0	70.9		ug/L		118	10 - 150	7	30
2,4-Dinitrotoluene	30.0	29.5		ug/L		98	54 - 142	5	30
2,6-Dinitrotoluene	30.0	27.4		ug/L		91	55 - 130	3	30
Di-n-octyl phthalate	30.0	29.0		ug/L		97	57 - 138	7	30
1,4-Dioxane	30.0	19.5		ug/L		65	31 - 120	5	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	25.3		ug/L		84	45 - 124	5	30
Hexachlorobenzene	30.0	27.2		ug/L		91	52 - 129	5	30
Hexachlorocyclopentadiene	30.0	23.6		ug/L		79	10 - 134	4	30
Hexachloroethane	30.0	23.3		ug/L		78	20 - 120	7	30
Indene	30.0	26.6		ug/L		89	49 - 120	6	30
Isophorone	30.0	24.3		ug/L		81	48 - 120	5	30
2-Methylphenol	30.0	24.3		ug/L		81	46 - 124	4	30
3 & 4 Methylphenol	30.0	22.4		ug/L		75	45 - 120	4	30
2-Nitroaniline	30.0	27.1		ug/L		90	51 - 145	4	30
3-Nitroaniline	30.0	25.5		ug/L		85	37 - 127	2	30
4-Nitroaniline	30.0	27.3		ug/L		91	36 - 137	2	30
Nitrobenzene	30.0	22.8		ug/L		76	45 - 120	3	30
2-Nitrophenol	30.0	27.1		ug/L		90	40 - 124	5	30
4-Nitrophenol	60.0	52.2		ug/L		87	23 - 146	3	30
N-Nitrosodimethylamine	30.0	20.9		ug/L		70	29 - 137	6	30
N-Nitrosodi-n-propylamine	30.0	25.1		ug/L		84	45 - 120	5	30
N-Nitrosodiphenylamine	29.8	27.1		ug/L		91	54 - 120	3	30
Pentachlorophenol	60.0	60.3		ug/L		101	31 - 130	2	30
Phenol	30.0	27.9		ug/L		93	11 - 120	2	30
Pyridine	60.0	33.0		ug/L		55	16 - 120	1	30
Quinoline	30.0	31.4		ug/L		105	49 - 130	7	30
2,4,5-Trichlorophenol	30.0	27.9		ug/L		93	51 - 136	2	30
2,4,6-Trichlorophenol	30.0	29.7		ug/L		99	50 - 127	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*90*		*46 - 124*
2-Fluorophenol	*52*		*13 - 113*
Nitrobenzene-d5	*81*		*36 - 126*
Phenol-d5	*76*		*17 - 127*
Terphenyl-d14	*83*		*44 - 149*
2,4,6-Tribromophenol	*88*		*26 - 150*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-517023/4-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	30.0	20.7		ug/L		69	10 - 120	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*97*		*46 - 124*
2-Fluorophenol	*56*		*13 - 113*
Nitrobenzene-d5	*78*		*36 - 126*
Phenol-d5	*75*		*17 - 127*
Terphenyl-d14	*89*		*44 - 149*
2,4,6-Tribromophenol	*72*		*26 - 150*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-517023/1-A
Matrix: Water
Analysis Batch: 517184

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.0080	ug/L		01/11/21 09:10	01/12/21 20:50	1
Acenaphthylene	ND		0.050	0.011	ug/L		01/11/21 09:10	01/12/21 20:50	1
Anthracene	ND		0.050	0.0080	ug/L		01/11/21 09:10	01/12/21 20:50	1
Benzo[a]anthracene	0.0130	J	0.050	0.012	ug/L		01/11/21 09:10	01/12/21 20:50	1
Benzo[a]pyrene	ND		0.050	0.011	ug/L		01/11/21 09:10	01/12/21 20:50	1
Benzo[b]fluoranthene	ND		0.050	0.0085	ug/L		01/11/21 09:10	01/12/21 20:50	1
Benzo[g,h,i]perylene	ND		0.050	0.033	ug/L		01/11/21 09:10	01/12/21 20:50	1
Benzo[k]fluoranthene	ND		0.050	0.025	ug/L		01/11/21 09:10	01/12/21 20:50	1
Chrysene	ND		0.050	0.019	ug/L		01/11/21 09:10	01/12/21 20:50	1
Dibenz(a,h)anthracene	0.0520		0.050	0.013	ug/L		01/11/21 09:10	01/12/21 20:50	1
Fluoranthene	ND		0.050	0.017	ug/L		01/11/21 09:10	01/12/21 20:50	1
Fluorene	ND		0.050	0.028	ug/L		01/11/21 09:10	01/12/21 20:50	1
Indeno[1,2,3-cd]pyrene	0.0210	J	0.050	0.011	ug/L		01/11/21 09:10	01/12/21 20:50	1
1-Methylnaphthalene	ND		0.050	0.019	ug/L		01/11/21 09:10	01/12/21 20:50	1
2-Methylnaphthalene	ND		0.050	0.015	ug/L		01/11/21 09:10	01/12/21 20:50	1
Phenanthrene	ND		0.050	0.0090	ug/L		01/11/21 09:10	01/12/21 20:50	1
Pyrene	ND		0.050	0.010	ug/L		01/11/21 09:10	01/12/21 20:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*15 - 122*	*01/11/21 09:10*	*01/12/21 20:50*	*1*
Nitrobenzene-d5	*62*		*19 - 130*	*01/11/21 09:10*	*01/12/21 20:50*	*1*
Terphenyl-d14	*75*		*33 - 138*	*01/11/21 09:10*	*01/12/21 20:50*	*1*

Lab Sample ID: LCS 400-517023/2-A
Matrix: Water
Analysis Batch: 517184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	29.9		ug/L		100	41 - 120
Acenaphthylene	30.0	30.8		ug/L		103	44 - 120
Anthracene	30.0	30.8		ug/L		103	49 - 120

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-517023/2-A
Matrix: Water
Analysis Batch: 517184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	30.0	29.1		ug/L		97	61 - 135
Benzo[a]pyrene	30.0	29.4		ug/L		98	52 - 120
Benzo[b]fluoranthene	30.0	29.9		ug/L		100	53 - 134
Benzo[g,h,i]perylene	30.0	29.7		ug/L		99	47 - 133
Benzo[k]fluoranthene	30.0	28.7		ug/L		96	57 - 134
Chrysene	30.0	29.1		ug/L		97	55 - 122
Dibenz(a,h)anthracene	30.0	32.8		ug/L		109	48 - 146
Fluoranthene	30.0	31.0		ug/L		103	54 - 128
Fluorene	30.0	31.7		ug/L		106	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	30.2		ug/L		101	43 - 142
1-Methylnaphthalene	30.0	23.4		ug/L		78	41 - 120
2-Methylnaphthalene	30.0	23.9		ug/L		80	32 - 124
Phenanthrene	30.0	30.2		ug/L		101	48 - 120
Pyrene	30.0	28.9		ug/L		96	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*90*		*15 - 122*
Nitrobenzene-d5	*85*		*19 - 130*
Terphenyl-d14	*94*		*33 - 138*

Lab Sample ID: LCSD 400-517023/24-A
Matrix: Water
Analysis Batch: 517184

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	30.0	29.3		ug/L		98	41 - 120	2	56
Acenaphthylene	30.0	30.5		ug/L		102	44 - 120	1	56
Anthracene	30.0	30.2		ug/L		101	49 - 120	2	51
Benzo[a]anthracene	30.0	28.3		ug/L		94	61 - 135	3	49
Benzo[a]pyrene	30.0	29.4		ug/L		98	52 - 120	0	50
Benzo[b]fluoranthene	30.0	28.3		ug/L		94	53 - 134	6	54
Benzo[g,h,i]perylene	30.0	29.4		ug/L		98	47 - 133	1	50
Benzo[k]fluoranthene	30.0	30.6		ug/L		102	57 - 134	6	52
Chrysene	30.0	29.1		ug/L		97	55 - 122	0	50
Dibenz(a,h)anthracene	30.0	32.2		ug/L		107	48 - 146	2	50
Fluoranthene	30.0	30.4		ug/L		101	54 - 128	2	52
Fluorene	30.0	31.1		ug/L		104	45 - 125	2	56
Indeno[1,2,3-cd]pyrene	30.0	29.6		ug/L		99	43 - 142	2	51
1-Methylnaphthalene	30.0	23.0		ug/L		77	41 - 120	2	55
2-Methylnaphthalene	30.0	23.5		ug/L		78	32 - 124	2	57
Phenanthrene	30.0	29.9		ug/L		100	48 - 120	1	56
Pyrene	30.0	28.4		ug/L		95	48 - 132	2	52

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*15 - 122*
Nitrobenzene-d5	*84*		*19 - 130*
Terphenyl-d14	*91*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-517057/1-A
Matrix: Water
Analysis Batch: 517065

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517057

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/11/21 12:14	01/11/21 14:05	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/11/21 12:14	01/11/21 14:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*51 - 149*	*01/11/21 12:14*	*01/11/21 14:05*	*1*

Lab Sample ID: LCS 400-517057/2-A
Matrix: Water
Analysis Batch: 517065

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517057

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.130		ug/L		129	60 - 140
1,2-Dibromoethane	0.101	0.121		ug/L		120	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*107*		*51 - 149*

Lab Sample ID: LCSD 400-517057/3-A
Matrix: Water
Analysis Batch: 517065

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517057

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.101	0.126		ug/L		126	60 - 140	3	30
1,2-Dibromoethane	0.101	0.120		ug/L		119	60 - 140	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*51 - 149*

Lab Sample ID: MB 400-517124/1-A
Matrix: Water
Analysis Batch: 517153

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517124

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/12/21 08:52	01/12/21 12:03	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/12/21 08:52	01/12/21 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*51 - 149*	*01/12/21 08:52*	*01/12/21 12:03*	*1*

Lab Sample ID: LCS 400-517124/2-A
Matrix: Water
Analysis Batch: 517153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517124

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.124		ug/L		123	60 - 140
1,2-Dibromoethane	0.101	0.122		ug/L		121	60 - 140

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCS 400-517124/2-A
Matrix: Water
Analysis Batch: 517153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	98		51 - 149

Lab Sample ID: LCSD 400-517124/3-A
Matrix: Water
Analysis Batch: 517153

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517124

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.121		ug/L		121	60 - 140	2	30
1,2-Dibromoethane			0.101	0.118		ug/L		117	60 - 140	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	99		51 - 149

LAB (LOCATION)

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))

☐ Other Lab Vendor # 1364589 (TestAmerica))

Shell Oil Products US Chain Of Custody Record

AECOM

Please Check Appropriate Box:			
☐ SGW FDG	☐ PIPELINE	☐ RETAIL	
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES	
☐ TRANSPORTATION	☑ OTHER _ENV. SERVICES		

Print Bill To Contact Name:	PlaNet Site or Project ID
Bob Mooshegian	25278
PO #	GSAP Project ID
60643618 – 9-03-02F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES DATE: 1-7-21

PAGE: 1 of 2

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60643618 – 9-03-02F

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Elizabeth Kunkel, AECOM, St. Louis, MO, Melissa Remiger, Bob Billman, Wendy Pennington

PHONE NO: 314-802-1171; 314-449-2913; 314-802-1122

E-MAIL: elizabeth.kunkel@aecom.com, melissa.remiger@aecom.com, bob.billman@aecom.com, wendy.pennington@aecom.com

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington

SAMPLER NAME(S) (Print): M.D'Angelo J.Mayer

LAB USE ONLY

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com

400-198004 COC

TURNAROUND TIME (CALENDAR DAYS):

☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) _EDD_____

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
* Please include "J" values on Reports
* Please provide sample receipt upon login

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
NON-UNIT COST
60643618 – 9-03-02F

FIELD NOTES:
TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL	Container PID Readings or Laboratory Notes
	TB-ROX-010721-8260-A	1/7/21	0000	WATER	2					2	X				
	TB-ROX-010721-8011-A		0000		2					2			X		
	MW12-ROX-010721-EB		0805		6			2		8	X	X	X	X	
	MW12-ROX-010721		1025		6			2		8	X	X	X	X	

Relinquished by: (Signature) M.D'Angelo

Received by: (Signature) Fedex: 9345 4056 8401 / 9345 4056 8412

Date: 1-7-21 Time: 1600

Relinquished by: (Signature)

Received by: (Signature)

Date: 1-8-21 Time: 0936

Relinquished by: (Signature)

Received by: (Signature)

Date: Time:

Version 14Dec15

Custody seals: 1450575 / 1450574
1450577 / 1450576

Page 38 of 76

1/22/2021

LAB (LOCATION)

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))

☐ Other Lab Vendor # 1364589 (TestAmerica))

Shell Oil Products US Chain Of Custody Record

AECOM

Please Check Appropriate Box:		
☐ SGW FDG	☐ PIPELINE	☐ RETAIL
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES
☐ TRANSPORTATION	☑ OTHER _ENV. SERVICES_____	

Print Bill To Contact Name:	PlaNet Site or Project ID
Bob Mooshegian	25278
PO #	GSAP Project ID
60643618 – 9-03-02F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 1/7/2021

PAGE: 2 of 2

SAMPLING COMPANY: AECOM

LOG CODE:

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State: IL

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PHONE NO: 314-802-1171; 314-449-2913; 314-802-1122

E-MAIL: elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; bob.billman@aecom.com; wendy.pennington@aecom.com

AECOM Other ID:

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com

SAMPLER NAME(S) (Print): B. Howell A. Oliver

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):

☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

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☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
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☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
NON-UNIT COST
60643618 – 9-03-02F

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL
	TB-ROX-010721-8011-B	1/7/21	0000	water	X					2			X	
	TB-ROX-010721-8260-B		0000		X					2	X			
	MW6A-ROX-010721-EB		0745		X			X		8	X	X	X	X
	MW6A-ROX-010721		1055		X			X		8	X	X	X	X
	MW6B-ROX-010721		1200		X			X		8	X	X	X	X
	MW6C-ROX-010721		1245		X			X		8	X	X	X	X
	MW6D-ROX-010721		1335		X			X		8	X	X	X	X

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
B. Howell	Fedex: see pg 1	1/7/2021	1600
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
		1-8-21	0936
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

Custody seals: see pg 1

Version: 14Dec15

1/22/2021

Klingensmith, Leah

From: Remiger, Melissa <melissa.remiger@aecom.com>
Sent: Friday, January 8, 2021 8:22 AM
To: Klingensmith, Leah; Kunkel, Elizabeth; Evans, Lauren; Avery, Kathy; Kennedy, Amelia
Cc: Howell, Brett; DAngelo, Mary; Mayer, Joe; Oliver, Aaron
Subject: RE: Roxana (1Q21) Quarterly Groundwater Updates, including my schedule (out next week)
Attachments: 1Q21 ROX GW Sampling COC Redo 010721.pdf

Importance: High

EXTERNAL EMAIL*

Leah,

Please see attached COC for #60648474-3.2.1F (Non-unit) Roxana (1Q21) Quarterly Groundwater samples arriving today (FRIDAY) morning in Pensacola. Please use the attached COCs **instead of what is included in the coolers.** This new project # for 2021 went live after close of business yesterday, therefore the COCs in the cooler have old project #s listed. Apologies for any confusion, and please let me know if you have any questions.

Thank you,
Melissa

Melissa Remiger
Environmental Scientist, Design and Consulting Services Group (DCS)
D 314-802-1207 C 314-449-2913
Cisco Internal: 2221207
melissa.remiger@aecom.com

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St. Louis, MO 63102
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www.aecom.com

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From: Klingensmith, Leah <Leah.Klingensmith@Eurofinset.com>
Sent: Wednesday, January 06, 2021 4:45 PM
To: Kunkel, Elizabeth <elizabeth.kunkel@aecom.com>

Cc: Remiger, Melissa <melissa.remiger@aecom.com>; Howell, Brett <brett.howell@aecom.com>; DAngelo, Mary <Mary.DAngelo@aecom.com>; Mayer, Joe <joe.mayer@aecom.com>; Oliver, Aaron <aaron.oliver@aecom.com>
Subject: [EXTERNAL] RE: Roxana (1Q21) Quarterly Groundwater Updates, including my schedule (out next week)

Thanks!

Leah R Klingensmith
Senior Project Manager

Phone: 615-301-5038

leah.klingensmith@eurofinset.com

From: Kunkel, Elizabeth <elizabeth.kunkel@aecom.com>
Sent: Wednesday, January 6, 2021 4:28 PM
To: Klingensmith, Leah <Leah.Klingensmith@Eurofinset.com>
Cc: Remiger, Melissa <melissa.remiger@aecom.com>; Howell, Brett <brett.howell@aecom.com>; DAngelo, Mary <Mary.DAngelo@aecom.com>; Mayer, Joe <joe.mayer@aecom.com>; Oliver, Aaron <aaron.oliver@aecom.com>
Subject: Roxana (1Q21) Quarterly Groundwater Updates, including my schedule (out next week)

EXTERNAL EMAIL*

Leah,

We will be collecting the first of the Roxana (1Q21) Quarterly Groundwater samples tomorrow with samples arriving in Pensacola Friday and Saturday mornings of this week, into next week, etc.

I will be on vacation next week, starting the morning of January 11th through until the morning of January 18th.

Melissa or her designee (team cc'd) will send you the Roxana Groundwater COCs in my absence. Please be sure to include melissa.remiger@aecom.com on any communications that you send to me as I will not have access to e-mail next week.

Please let me know of any questions or concerns.

Thank you,
Elizabeth

Elizabeth Kunkel
Senior Chemist, Environment Practice
Analytical Chemistry Lead Verifier
D +1-314-802-1171
elizabeth.kunkel@aecom.com

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LAB (LOCATION)

Shell Oil Products US Chain Of Custody Record

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))

☐ Other Lab Vendor # 1364589 (TestAmerica))

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL

☐ CHEMICALS ☐ CONSULTANT ☐ LUBES

☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES_____

Print Bill To Contact Name:	PlaNet Site or Pr
Bob Mooshegian	25278
PO #	GSAP Project
60648474 – 3.2.1F	USPC/00114/R/

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA — State: IL

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Elizabeth Kunkel, AECOM, St. Louis, MO; Melissa Remiger, Bob Billman, Wendy Pennington

PHONE NO.: 314-802-1171; 314-449-2913; 314-802-1122

E-MAIL: melissa.re bob.billma wendy.per

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington

SAMPLER NAME(S) (Print): MD'Angelo JMayer

TELEPHONE: 314-429-0100 | FAX: 314-429-0462 | Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com

TURNAROUND TIME (CALENDAR DAYS):

☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

REQUESTED ANALYSIS

NON-UNIT COST

60648474 – 3.2.1F

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
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* Please provide sample receipt upon login

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL
	TB-ROX-010721-8260-A	1/7/21	0000	WATER	2					2	X			
	TB-ROX-010721-8011-A		0000		2					2			X	
	MW12-ROX-010721-EB		0805		6			2		8	X	X	X	X
	MW12-ROX-010721		1115		6			2		8	X	X	X	X

MD'Angelo 1/7/21

Relinquished by: (Signature)	Received by: (Signature)	Date
MD'Angelo	Fedex: 9345 4056 8401 / 9345 4056 8412	1-7
Relinquished by: (Signature)	Received by: (Signature)	Date:
Relinquished by: (Signature)	Received by: (Signature)	Date:

CUSTODY SEALS- 1450575 / 1450574
1450577 / 1450576

LAB (LOCATION)

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))

☐ Other Lab Vendor # 1364589 (TestAmerica))

Shell Oil Products US Chain Of Custody Record

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL

☐ CHEMICALS ☐ CONSULTANT ☐ LUBES

☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES

Print Bill To Contact Name:	PlaNet Site or Pr
Bob Moosheglan	25278
PO #	GSAP Projec
60648474 – 3.2.1F	USPC/00114/R

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA — State: IL

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Elizabeth Kunkel, AECOM, St. Louis, MO; Melissa Remiger, Bob Billman, Wendy Pennington

PHONE NO.: 314-802-1171; 314-449-2913; 314-802-1122

E-MAIL: melissa.re bob.billma wendy.pe

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington

SAMPLER NAME(S) (Print): B Howell A Oliver

TELEPHONE: 314-429-0100 FAX: 314-429-0462

Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com

TURNAROUND TIME (CALENDAR DAYS):

☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

* Please include "J" values on Reports
* Please provide sample receipt upon login

☑ SHELL CONTRACT RATE APPLIES

☐ STATE REIMBURSEMENT RATE APPLIES

☐ EDD NOT NEEDED

☑ RECEIPT VERIFICATION REQUESTED

☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
NON-UNIT COST
60648474 – 3.2.1F

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL
	TB-ROX-010721-8260-B	1/7/21	0000	water	2					2	X			
	TB-ROX-010721-8011-B		0000		2					2			X	
	MW6A-ROX-010721-EB		0745		6			2		8	X	X	X	X
	MW6A-ROX-010721		1055		6			2		8	X	X	X	X
	MW6B-ROX-010721		1200		6			2		8	X	X	X	X
	MW6C-ROX-010721		1245		6			2		8	X	X	X	X
	MW6D-ROX-010721		1335		6			2		8	X	X	X	X

Relinquished by: (Signature)

Received by: (Signature) Fedex: see page 1 Date: 1-7

Relinquished by: (Signature)

Received by: (Signature) Date:

Relinquished by: (Signature)

Received by: (Signature) Date:

CUSTODY SEALS - see page 1

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-198004-1

Login Number: 198004
List Number: 1
Creator: Conrady, Hank W

List Source: Eurofins TestAmerica, Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.4°C 0.7°C IR-9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM Technical Services Inc.
Job ID: 400-198004-1
Project/Site: ROXANA QUARTERLY GW

Laboratory: Eurofins TestAmerica, Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-21
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-02-21
California	State	2510	06-30-21
Florida	NELAP	E81010	06-30-21
Georgia	State	E81010(FL)	06-30-21
Illinois	NELAP	200041	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-21
Kentucky (UST)	State	53	06-30-21
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-21
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-21
Michigan	State	9912	06-30-21
New Jersey	NELAP	FL006	06-30-21
New York	NELAP	12115	04-01-21
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810-186	08-31-21
Pennsylvania	NELAP	68-00467	01-31-21
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026002	06-30-21
Tennessee	State	TN02907	06-30-21
Texas	NELAP	T104704286	09-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-21
Washington	State	C915	05-15-21
West Virginia DEP	State	136	06-30-21

Roxana Groundwater Quarterly – 1st Quarter 2021 Data Review

Laboratory SDG: 400-198006-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 2/2/2021

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2017

Sample Identification	Sample Identification
TB-ROX-010721-8260-BP	TB-ROX-010721-8011-BP
MW23-ROX-010721	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes; AECOM contacted the laboratory on January 8, 2021 to issue an updated COC with new project and task numbers. No qualification of data was required.

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated PAHs were detected in the method blank. Several VOC LCS recoveries were outside evaluation criteria. The continuing calibration verification for benzyl alcohol was outside acceptance criteria, biased low. These issues are addressed further in the appropriate sections of this data review.

Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.

The cooler receipt form did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

Yes

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration /Amount
MB 400-517023/1-A	PAHs	Benzo[a]anthracene	0.0130 µg/L
MB 400-517023/1-A	PAHs	Dibenz(a,h)anthracene	0.0520 µg/L
MB 400-517023/1-A	PAHs	Indeno[1,2,3-cd]pyrene	0.0210 µg/L

Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification. No qualification of data was required.

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS ID	Parameter	Analyte	LCS Recovery	LCS Criteria
LCS 400-517566/1002	VOCs	1-Chlorohexane	**132**	69-130
LCS 400-517566/1002	VOCs	n-Butylbenzene	**154**	67-130
LCS 400-517566/1002	VOCs	p-Isopropyltoluene	**141**	65-130
LCS 400-517566/1002	VOCs	sec-Butylbenzene	**133**	66-130
LCS 400-517566/1002	VOCs	1,2,4-Trimethylbenzene	**135**	70-130

Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. No qualification of data was required.

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

No

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

No

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; samples analyzed did not require dilution.

12.0 Additional Qualifications

Were additional qualifications applied?

Yes, the continuing calibration verification for benzyl alcohol was outside acceptance criteria, biased low, and is qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW23-ROX-010721	SVOCs	Benzyl alcohol	**UJ**

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eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-198006-1
Client Project/Site: ROXANA QUARTERLY GW

For:
AECOM Technical Services Inc.
100 N. Broadway
20th Floor
St. Louis, Missouri 63102

Attn: Elizabeth Kunkel

Authorized for release by:
1/22/2021 3:23:58 PM

Leah Klingensmith, Senior Project Manager
(615)301-5038
Leah.Klingensmith@Eurofinset.com

Reviewed 2/2/2021 LR

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 400-198006-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-198006-1

Comments
No additional comments.

Receipt
The samples were received on 1/8/2021 9:36 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.7° C and 4.4° C.

GC/MS VOA
Method 8260B: The continuing calibration verification (CCV) associated with batch 400-517566 recovered above the upper control limit for n-Butylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260B: The laboratory control sample (LCS) for analytical batch 400-517566 recovered outside control limits for the following analytes: 1,2,4-Trimethylbenzene, 1-Chlorohexane, n-Butylbenzene, p-Isopropyltoluene and sec-Butylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-010721-8260-BP (400-198006-1) and MW23-ROX-010721 (400-198006-3). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 400-517182 recovered above the upper control limit for Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-517209 recovered outside acceptance criteria, low biased, for Benzyl alcohol. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8270D LL: The method blank for preparation batch 400-517023 contained Dibenz(a,h)anthracene above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method 8270D LL: The method blank for preparation batch 400-517023 and analytical batch 400-517184 contained Indeno[1,2,3-cd]pyrene and Benzo[a]anthracene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8011: The continuing calibration verification (CCV) associated with batch 400-517153 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane and 1,2-Dibromoethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8011: The continuing calibration verification (CCV) associated with batch 400-517153 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 400-198006-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198006-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-198006-1	TB-ROX-010721-8260-BP	Water	01/07/21 00:00	01/08/21 09:36	
400-198006-2	TB-ROX-010721-8011-BP	Water	01/07/21 00:00	01/08/21 09:36	
400-198006-3	MW23-ROX-010721	Water	01/07/21 13:20	01/08/21 09:36	

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198006-1

Client Sample ID: TB-ROX-010721-8260-BP **Lab Sample ID: 400-198006-1**

No Detections.

Client Sample ID: TB-ROX-010721-8011-BP **Lab Sample ID: 400-198006-2**

No Detections.

Client Sample ID: MW23-ROX-010721 **Lab Sample ID: 400-198006-3**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-010721-8260-BP
Date Collected: 01/07/21 00:00
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198006-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/21 20:09	1
Acrolein	ND		20	10	ug/L			01/15/21 20:09	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/21 20:09	1
Benzene	ND		1.0	0.38	ug/L			01/15/21 20:09	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/21 20:09	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/21 20:09	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/21 20:09	1
Bromoform	ND		5.0	0.71	ug/L			01/15/21 20:09	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/21 20:09	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/21 20:09	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/21 20:09	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/21 20:09	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/21 20:09	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/21 20:09	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/21 20:09	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/21 20:09	1
Chloroform	ND		1.0	0.60	ug/L			01/15/21 20:09	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/15/21 20:09	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/21 20:09	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 20:09	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 20:09	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/21 20:09	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/21 20:09	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/21 20:09	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/21 20:09	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 20:09	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 20:09	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 20:09	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 20:09	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 20:09	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 20:09	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/21 20:09	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/21 20:09	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/21 20:09	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/21 20:09	1
2-Hexanone	ND		25	3.1	ug/L			01/15/21 20:09	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/21 20:09	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/21 20:09	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/21 20:09	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/21 20:09	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/21 20:09	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/21 20:09	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/21 20:09	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/15/21 20:09	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/21 20:09	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/21 20:09	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/21 20:09	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/21 20:09	1
p-Isopropyltoluene	ND	*+	1.0	0.71	ug/L			01/15/21 20:09	1

Client Sample ID: TB-ROX-010721-8260-BP
Date Collected: 01/07/21 00:00
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198006-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	*+	1.0	0.70	ug/L			01/15/21 20:09	1
Styrene	ND		1.0	1.0	ug/L			01/15/21 20:09	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/21 20:09	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/21 20:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/21 20:09	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/21 20:09	1
Toluene	ND		1.0	0.41	ug/L			01/15/21 20:09	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 20:09	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 20:09	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/21 20:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/21 20:09	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/21 20:09	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/21 20:09	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/21 20:09	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/21 20:09	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/21 20:09	1
1,2,4-Trimethylbenzene	ND	*+	1.0	0.82	ug/L			01/15/21 20:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/21 20:09	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/21 20:09	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/21 20:09	1
Xylenes, Total	ND		10	1.6	ug/L			01/15/21 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*01/15/21 20:09*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/15/21 20:09*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*01/15/21 20:09*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198006-1

Client Sample ID: TB-ROX-010721-8011-BP
Date Collected: 01/07/21 00:00
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198006-2
Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/12/21 08:52	01/12/21 17:16	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/12/21 08:52	01/12/21 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*	*p*	*51 - 149*	*01/12/21 08:52*	*01/12/21 17:16*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198006-1

Client Sample ID: MW23-ROX-010721
Date Collected: 01/07/21 13:20
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198006-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/21 20:36	1
Acrolein	ND		20	10	ug/L			01/15/21 20:36	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/21 20:36	1
Benzene	ND		1.0	0.38	ug/L			01/15/21 20:36	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/21 20:36	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/21 20:36	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/21 20:36	1
Bromoform	ND		5.0	0.71	ug/L			01/15/21 20:36	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/21 20:36	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/21 20:36	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/21 20:36	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/21 20:36	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/21 20:36	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/21 20:36	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/21 20:36	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/21 20:36	1
Chloroform	ND		1.0	0.60	ug/L			01/15/21 20:36	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/15/21 20:36	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/21 20:36	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 20:36	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 20:36	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/21 20:36	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/21 20:36	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/21 20:36	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/21 20:36	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 20:36	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 20:36	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 20:36	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 20:36	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 20:36	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 20:36	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/21 20:36	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/21 20:36	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/21 20:36	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/21 20:36	1
2-Hexanone	ND		25	3.1	ug/L			01/15/21 20:36	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/21 20:36	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/21 20:36	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/21 20:36	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/21 20:36	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/21 20:36	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/21 20:36	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/21 20:36	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/15/21 20:36	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/21 20:36	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/21 20:36	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/21 20:36	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/21 20:36	1
p-Isopropyltoluene	ND	*+	1.0	0.71	ug/L			01/15/21 20:36	1

Client Sample ID: MW23-ROX-010721
Date Collected: 01/07/21 13:20
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198006-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	*+	1.0	0.70	ug/L			01/15/21 20:36	1
Styrene	ND		1.0	1.0	ug/L			01/15/21 20:36	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/21 20:36	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/21 20:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/21 20:36	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/21 20:36	1
Toluene	ND		1.0	0.41	ug/L			01/15/21 20:36	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 20:36	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 20:36	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/21 20:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/21 20:36	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/21 20:36	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/21 20:36	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/21 20:36	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/21 20:36	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/21 20:36	1
1,2,4-Trimethylbenzene	ND	*+	1.0	0.82	ug/L			01/15/21 20:36	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/21 20:36	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/21 20:36	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/21 20:36	1
Xylenes, Total	ND		10	1.6	ug/L			01/15/21 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*01/15/21 20:36*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/15/21 20:36*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/15/21 20:36*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.033	ug/L		01/11/21 09:10	01/13/21 19:57	1
Acenaphthylene	ND		0.20	0.046	ug/L		01/11/21 09:10	01/13/21 19:57	1
Anthracene	ND		0.20	0.033	ug/L		01/11/21 09:10	01/13/21 19:57	1
Benzo[a]anthracene	ND		0.20	0.047	ug/L		01/11/21 09:10	01/13/21 19:57	1
Benzo[a]pyrene	ND		0.20	0.043	ug/L		01/11/21 09:10	01/13/21 19:57	1
Benzo[b]fluoranthene	ND		0.20	0.035	ug/L		01/11/21 09:10	01/13/21 19:57	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		01/11/21 09:10	01/13/21 19:57	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		01/11/21 09:10	01/13/21 19:57	1
Chrysene	ND		0.20	0.075	ug/L		01/11/21 09:10	01/13/21 19:57	1
Dibenz(a,h)anthracene	ND		0.20	0.051	ug/L		01/11/21 09:10	01/13/21 19:57	1
Fluoranthene	ND		0.20	0.069	ug/L		01/11/21 09:10	01/13/21 19:57	1
Fluorene	ND		0.20	0.11	ug/L		01/11/21 09:10	01/13/21 19:57	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.044	ug/L		01/11/21 09:10	01/13/21 19:57	1
1-Methylnaphthalene	ND		0.20	0.075	ug/L		01/11/21 09:10	01/13/21 19:57	1
2-Methylnaphthalene	ND		0.20	0.061	ug/L		01/11/21 09:10	01/13/21 19:57	1
Phenanthrene	ND		0.20	0.037	ug/L		01/11/21 09:10	01/13/21 19:57	1
Pyrene	ND		0.20	0.041	ug/L		01/11/21 09:10	01/13/21 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*15 - 122*	*01/11/21 09:10*	*01/13/21 19:57*	*1*
Nitrobenzene-d5	*85*		*19 - 130*	*01/11/21 09:10*	*01/13/21 19:57*	*1*

Client Sample ID: MW23-ROX-010721
Date Collected: 01/07/21 13:20
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198006-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	76		33 - 138	01/11/21 09:10	01/13/21 19:57	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.9	ug/L		01/11/21 09:10	01/13/21 02:26	1
Benzenethiol	ND		10	1.7	ug/L		01/11/21 09:10	01/13/21 02:26	1
Benzoic acid	ND		31	7.4	ug/L		01/11/21 09:10	01/13/21 02:26	1
Benzyl alcohol	ND	U5	10	2.0	ug/L		01/11/21 09:10	01/13/21 02:26	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		01/11/21 09:10	01/13/21 02:26	1
Bis(2-chloroethyl)ether	ND		10	2.8	ug/L		01/11/21 09:10	01/13/21 02:26	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		01/11/21 09:10	01/13/21 02:26	1
Bis(2-ethylhexyl) phthalate	ND		10	5.1	ug/L		01/11/21 09:10	01/13/21 02:26	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		01/11/21 09:10	01/13/21 02:26	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		01/11/21 09:10	01/13/21 02:26	1
4-Chloroaniline	ND		10	3.5	ug/L		01/11/21 09:10	01/13/21 02:26	1
4-Chloro-3-methylphenol	ND		10	3.9	ug/L		01/11/21 09:10	01/13/21 02:26	1
2-Chloronaphthalene	ND		10	0.14	ug/L		01/11/21 09:10	01/13/21 02:26	1
2-Chlorophenol	ND		10	2.2	ug/L		01/11/21 09:10	01/13/21 02:26	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/11/21 09:10	01/13/21 02:26	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/11/21 09:10	01/13/21 02:26	1
Dibenzofuran	ND		10	0.17	ug/L		01/11/21 09:10	01/13/21 02:26	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		01/11/21 09:10	01/13/21 02:26	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		01/11/21 09:10	01/13/21 02:26	1
Diethyl phthalate	ND		10	0.24	ug/L		01/11/21 09:10	01/13/21 02:26	1
2,4-Dimethylphenol	ND		10	3.6	ug/L		01/11/21 09:10	01/13/21 02:26	1
Dimethyl phthalate	ND		10	0.17	ug/L		01/11/21 09:10	01/13/21 02:26	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		01/11/21 09:10	01/13/21 02:26	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		01/11/21 09:10	01/13/21 02:26	1
2,4-Dinitrophenol	ND		31	3.5	ug/L		01/11/21 09:10	01/13/21 02:26	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/11/21 09:10	01/13/21 02:26	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/11/21 09:10	01/13/21 02:26	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		01/11/21 09:10	01/13/21 02:26	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/21 09:10	01/13/21 02:26	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/21 09:10	01/13/21 02:26	1
Hexachlorobenzene	ND		10	0.17	ug/L		01/11/21 09:10	01/13/21 02:26	1
Hexachlorocyclopentadiene	ND		20	2.7	ug/L		01/11/21 09:10	01/13/21 02:26	1
Hexachloroethane	ND		10	4.3	ug/L		01/11/21 09:10	01/13/21 02:26	1
Indene	ND		10	1.0	ug/L		01/11/21 09:10	01/13/21 02:26	1
Isophorone	ND		10	0.14	ug/L		01/11/21 09:10	01/13/21 02:26	1
2-Methylphenol	ND		10	1.8	ug/L		01/11/21 09:10	01/13/21 02:26	1
3 & 4 Methylphenol	ND		20	0.40	ug/L		01/11/21 09:10	01/13/21 02:26	1
2-Nitroaniline	ND		10	2.2	ug/L		01/11/21 09:10	01/13/21 02:26	1
3-Nitroaniline	ND		10	1.8	ug/L		01/11/21 09:10	01/13/21 02:26	1
4-Nitroaniline	ND		10	1.5	ug/L		01/11/21 09:10	01/13/21 02:26	1
Nitrobenzene	ND		10	0.13	ug/L		01/11/21 09:10	01/13/21 02:26	1
2-Nitrophenol	ND		10	5.3	ug/L		01/11/21 09:10	01/13/21 02:26	1
4-Nitrophenol	ND		10	2.1	ug/L		01/11/21 09:10	01/13/21 02:26	1
N-Nitrosodimethylamine	ND		10	3.6	ug/L		01/11/21 09:10	01/13/21 02:26	1

Client Sample ID: MW23-ROX-010721
Date Collected: 01/07/21 13:20
Date Received: 01/08/21 09:36

Lab Sample ID: 400-198006-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.4	ug/L		01/11/21 09:10	01/13/21 02:26	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		01/11/21 09:10	01/13/21 02:26	1
Pentachlorophenol	ND		20	1.4	ug/L		01/11/21 09:10	01/13/21 02:26	1
Phenol	ND		10	2.7	ug/L		01/11/21 09:10	01/13/21 02:26	1
Pyridine	ND		10	3.3	ug/L		01/11/21 09:10	01/13/21 02:26	1
Quinoline	ND		10	4.6	ug/L		01/11/21 09:10	01/13/21 02:26	1
2,4,5-Trichlorophenol	ND		10	3.8	ug/L		01/11/21 09:10	01/13/21 02:26	1
2,4,6-Trichlorophenol	ND		10	3.6	ug/L		01/11/21 09:10	01/13/21 02:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*46 - 124*	*01/11/21 09:10*	*01/13/21 02:26*	*1*
2-Fluorophenol	*45*		*13 - 113*	*01/11/21 09:10*	*01/13/21 02:26*	*1*
Nitrobenzene-d5	*73*		*36 - 126*	*01/11/21 09:10*	*01/13/21 02:26*	*1*
Phenol-d5	*63*		*17 - 127*	*01/11/21 09:10*	*01/13/21 02:26*	*1*
Terphenyl-d14	*63*		*44 - 149*	*01/11/21 09:10*	*01/13/21 02:26*	*1*
2,4,6-Tribromophenol	*69*		*26 - 150*	*01/11/21 09:10*	*01/13/21 02:26*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/12/21 08:52	01/12/21 17:35	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/12/21 08:52	01/12/21 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*	*p*	*51 - 149*	*01/12/21 08:52*	*01/12/21 17:35*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198006-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-198006-1	TB-ROX-010721-8260-BP	97	99	105
400-198006-3	MW23-ROX-010721	97	99	106
LCS 400-517566/1002	Lab Control Sample	95	100	100
MB 400-517566/25	Method Blank	98	101	106

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(46-124)	(13-113)	(36-126)	(17-127)	(44-149)	(26-150)
400-198006-3	MW23-ROX-010721	80	45	73	63	63	69
LCS 400-517023/2-A	Lab Control Sample	87	62	72	75	77	86
LCS 400-517023/3-A	Lab Control Sample	95	62	75	70	86	73
LCSD 400-517023/24-A	Lab Control Sample Dup	90	52	81	76	83	88
LCSD 400-517023/4-A	Lab Control Sample Dup	97	56	78	75	89	72
MB 400-517023/1-A	Method Blank	95	56	77	78	87	73

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(15-122)	(19-130)	(33-138)
400-198006-3	MW23-ROX-010721	84	85	76
LCS 400-517023/2-A	Lab Control Sample	90	85	94
LCSD 400-517023/24-A	Lab Control Sample Dup	89	84	91
MB 400-517023/1-A	Method Blank	65	62	75

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198006-1

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB2
Lab Sample ID	Client Sample ID	(51-149)
400-198006-2	TB-ROX-010721-8011-BP	96 p
400-198006-3	MW23-ROX-010721	97 p
LCS 400-517124/2-A	Lab Control Sample	98
LCSD 400-517124/3-A	Lab Control Sample Dup	99
MB 400-517124/1-A	Method Blank	94

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198006-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL PEN
5030B	Purge and Trap	SW846	TAL PEN
8011	Microextraction	SW846	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198006-1

Client Sample ID: TB-ROX-010721-8260-BP

Lab Sample ID: 400-198006-1

Date Collected: 01/07/21 00:00
Matrix: Water
Date Received: 01/08/21 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 20:09	CAR	TAL PEN

Client Sample ID: TB-ROX-010721-8011-BP

Lab Sample ID: 400-198006-2

Date Collected: 01/07/21 00:00
Matrix: Water
Date Received: 01/08/21 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.2 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 17:16	DS	TAL PEN

Client Sample ID: MW23-ROX-010721

Lab Sample ID: 400-198006-3

Date Collected: 01/07/21 13:20
Matrix: Water
Date Received: 01/08/21 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 20:36	CAR	TAL PEN
Total/NA	Prep	3520C			245.2 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517209	01/13/21 02:26	S1B	TAL PEN
Total/NA	Prep	3520C			245.2 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517312	01/13/21 19:57	PP1	TAL PEN
Total/NA	Prep	8011			34.4 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 17:35	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517023/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 18:22	S1B	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517184	01/12/21 20:50	PP1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517124/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 12:03	DS	TAL PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-517566/25**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 13:23	CAR	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-517023/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1	0.4 mL	1.0 mL	517182	01/12/21 19:25	S1B	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			517184	01/12/21 21:06	PP1	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-517023/3-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 18:43	S1B	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-517124/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 12:22	DS	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-517566/1002**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 12:23	CAR	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-517023/24-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:25	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 19:46	S1B	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:25	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			517184	01/12/21 21:21	PP1	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-517023/4-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 19:04	S1B	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-517124/3-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 12:42	DS	TAL PEN

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 517566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198006-1	TB-ROX-010721-8260-BP	Total/NA	Water	8260B	
400-198006-3	MW23-ROX-010721	Total/NA	Water	8260B	
MB 400-517566/25	Method Blank	Total/NA	Water	8260B	
LCS 400-517566/1002	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 517023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198006-3	MW23-ROX-010721	Total/NA	Water	3520C	
MB 400-517023/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-517023/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-517023/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-517023/24-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-517023/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 517182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-517023/1-A	Method Blank	Total/NA	Water	8270D	517023
LCS 400-517023/2-A	Lab Control Sample	Total/NA	Water	8270D	517023
LCS 400-517023/3-A	Lab Control Sample	Total/NA	Water	8270D	517023
LCSD 400-517023/24-A	Lab Control Sample Dup	Total/NA	Water	8270D	517023
LCSD 400-517023/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	517023

Analysis Batch: 517184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-517023/1-A	Method Blank	Total/NA	Water	8270D LL	517023
LCS 400-517023/2-A	Lab Control Sample	Total/NA	Water	8270D LL	517023
LCSD 400-517023/24-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	517023

Analysis Batch: 517209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198006-3	MW23-ROX-010721	Total/NA	Water	8270D	517023

Analysis Batch: 517312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198006-3	MW23-ROX-010721	Total/NA	Water	8270D LL	517023

GC Semi VOA

Prep Batch: 517124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198006-2	TB-ROX-010721-8011-BP	Total/NA	Water	8011	
400-198006-3	MW23-ROX-010721	Total/NA	Water	8011	
MB 400-517124/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-517124/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-517124/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 517153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198006-2	TB-ROX-010721-8011-BP	Total/NA	Water	8011	517124
400-198006-3	MW23-ROX-010721	Total/NA	Water	8011	517124

GC Semi VOA (Continued)

Analysis Batch: 517153 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-517124/1-A	Method Blank	Total/NA	Water	8011	517124
LCS 400-517124/2-A	Lab Control Sample	Total/NA	Water	8011	517124
LCSD 400-517124/3-A	Lab Control Sample Dup	Total/NA	Water	8011	517124

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-517566/25
Matrix: Water
Analysis Batch: 517566

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/21 13:23	1
Acrolein	ND		20	10	ug/L			01/15/21 13:23	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/21 13:23	1
Benzene	ND		1.0	0.38	ug/L			01/15/21 13:23	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/21 13:23	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/21 13:23	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Bromoform	ND		5.0	0.71	ug/L			01/15/21 13:23	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/21 13:23	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/21 13:23	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/21 13:23	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/21 13:23	1
Chloroform	ND		1.0	0.60	ug/L			01/15/21 13:23	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/15/21 13:23	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/21 13:23	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 13:23	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 13:23	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/21 13:23	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/21 13:23	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/21 13:23	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/21 13:23	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 13:23	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/21 13:23	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/21 13:23	1
2-Hexanone	ND		25	3.1	ug/L			01/15/21 13:23	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/21 13:23	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/21 13:23	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/21 13:23	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/21 13:23	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/21 13:23	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/21 13:23	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/21 13:23	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/15/21 13:23	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/21 13:23	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/21 13:23	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/21 13:23	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/21 13:23	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517566/25
Matrix: Water
Analysis Batch: 517566

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/15/21 13:23	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/15/21 13:23	1
Styrene	ND		1.0	1.0	ug/L			01/15/21 13:23	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/21 13:23	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/21 13:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/21 13:23	1
Toluene	ND		1.0	0.41	ug/L			01/15/21 13:23	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 13:23	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 13:23	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/21 13:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/21 13:23	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/21 13:23	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/21 13:23	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/21 13:23	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/15/21 13:23	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/21 13:23	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/21 13:23	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Xylenes, Total	ND		10	1.6	ug/L			01/15/21 13:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/15/21 13:23*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*01/15/21 13:23*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/15/21 13:23*	*1*

Lab Sample ID: LCS 400-517566/1002
Matrix: Water
Analysis Batch: 517566

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	179		ug/L		90	43 - 160
Acrolein	500	556		ug/L		111	38 - 160
Acrylonitrile	500	476		ug/L		95	64 - 142
Benzene	50.0	53.3		ug/L		107	70 - 130
Bromobenzene	50.0	56.7		ug/L		113	70 - 132
Bromochloromethane	50.0	53.1		ug/L		106	70 - 130
Bromodichloromethane	50.0	48.3		ug/L		97	67 - 133
Bromoform	50.0	46.1		ug/L		92	57 - 140
Bromomethane	50.0	50.1		ug/L		100	10 - 160
2-Butanone (MEK)	200	162		ug/L		81	61 - 145
Carbon disulfide	50.0	52.2		ug/L		104	61 - 137
Carbon tetrachloride	50.0	48.5		ug/L		97	61 - 137
Chlorobenzene	50.0	57.1		ug/L		114	70 - 130
Dibromochloromethane	50.0	49.1		ug/L		98	67 - 135
Chloroethane	50.0	58.5		ug/L		117	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517566/1002
Matrix: Water
Analysis Batch: 517566

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	50.0	28.4		ug/L		57	10 - 160
Chloroform	50.0	49.9		ug/L		100	69 - 130
1-Chlorohexane	50.0	66.1	*+	ug/L		132	69 - 130
Chloromethane	50.0	59.2		ug/L		118	58 - 137
cis-1,2-Dichloroethene	50.0	54.0		ug/L		108	68 - 130
cis-1,3-Dichloropropene	50.0	49.7		ug/L		99	69 - 132
1,2-Dichlorobenzene	50.0	57.4		ug/L		115	67 - 130
1,3-Dichlorobenzene	50.0	60.9		ug/L		122	70 - 130
1,4-Dichlorobenzene	50.0	57.3		ug/L		115	70 - 130
Dichlorodifluoromethane	50.0	56.2		ug/L		112	41 - 146
1,1-Dichloroethane	50.0	54.5		ug/L		109	70 - 130
1,2-Dichloroethane	50.0	48.5		ug/L		97	69 - 130
1,1-Dichloroethene	50.0	49.2		ug/L		98	63 - 134
1,2-Dichloropropane	50.0	54.2		ug/L		108	70 - 130
1,3-Dichloropropane	50.0	50.2		ug/L		100	70 - 130
2,2-Dichloropropane	50.0	51.4		ug/L		103	52 - 135
1,1-Dichloropropene	50.0	53.7		ug/L		107	70 - 130
Ethylbenzene	50.0	59.1		ug/L		118	70 - 130
Ethyl methacrylate	50.0	47.2		ug/L		94	68 - 130
Hexachlorobutadiene	50.0	65.6		ug/L		131	53 - 140
2-Hexanone	200	205		ug/L		103	65 - 137
Isopropylbenzene	50.0	61.9		ug/L		124	70 - 130
Methylene bromide	50.0	46.8		ug/L		94	70 - 130
Methylene Chloride	50.0	52.0		ug/L		104	66 - 135
4-Methyl-2-pentanone (MIBK)	200	193		ug/L		97	69 - 138
Methyl tert-butyl ether	50.0	45.6		ug/L		91	66 - 130
m-Xylene & p-Xylene	50.0	58.5		ug/L		117	70 - 130
Naphthalene	50.0	47.6		ug/L		95	47 - 149
n-Butylbenzene	50.0	77.1	*+	ug/L		154	67 - 130
N-Propylbenzene	50.0	64.8		ug/L		130	70 - 130
o-Chlorotoluene	50.0	61.4		ug/L		123	70 - 130
o-Xylene	50.0	59.7		ug/L		119	70 - 130
p-Chlorotoluene	50.0	61.1		ug/L		122	70 - 130
p-Isopropyltoluene	50.0	70.5	*+	ug/L		141	65 - 130
sec-Butylbenzene	50.0	66.7	*+	ug/L		133	66 - 130
Styrene	50.0	57.2		ug/L		114	70 - 130
tert-Butylbenzene	50.0	55.0		ug/L		110	64 - 139
1,1,1,2-Tetrachloroethane	50.0	52.1		ug/L		104	67 - 131
1,1,2,2-Tetrachloroethane	50.0	47.0		ug/L		94	70 - 131
Tetrachloroethene	50.0	58.0		ug/L		116	65 - 130
Toluene	50.0	56.7		ug/L		113	70 - 130
trans-1,2-Dichloroethene	50.0	51.6		ug/L		103	70 - 130
trans-1,3-Dichloropropene	50.0	51.0		ug/L		102	63 - 130
1,2,3-Trichlorobenzene	50.0	60.0		ug/L		120	60 - 138
1,2,4-Trichlorobenzene	50.0	61.1		ug/L		122	60 - 140
1,1,1-Trichloroethane	50.0	50.0		ug/L		100	68 - 130
1,1,2-Trichloroethane	50.0	49.3		ug/L		99	70 - 130
Trichloroethene	50.0	51.7		ug/L		103	70 - 130
Trichlorofluoromethane	50.0	48.6		ug/L		97	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517566/1002
Matrix: Water
Analysis Batch: 517566

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	50.0	46.0		ug/L		92	70 - 130
1,2,4-Trimethylbenzene	50.0	67.4	*+	ug/L		135	70 - 130
1,3,5-Trimethylbenzene	50.0	62.6		ug/L		125	69 - 130
Vinyl acetate	100	82.4		ug/L		82	26 - 160
Vinyl chloride	50.0	58.5		ug/L		117	59 - 136
Xylenes, Total	100	118		ug/L		118	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-517023/1-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		2.5	0.95	ug/L		01/11/21 09:10	01/12/21 18:22	1
Benzenethiol	ND		2.5	0.43	ug/L		01/11/21 09:10	01/12/21 18:22	1
Benzoic acid	ND		7.5	1.8	ug/L		01/11/21 09:10	01/12/21 18:22	1
Benzyl alcohol	ND		2.5	0.50	ug/L		01/11/21 09:10	01/12/21 18:22	1
Bis(2-chloroethoxy)methane	ND		2.5	0.040	ug/L		01/11/21 09:10	01/12/21 18:22	1
Bis(2-chloroethyl)ether	ND		2.5	0.68	ug/L		01/11/21 09:10	01/12/21 18:22	1
bis (2-chloroisopropyl) ether	ND		2.5	0.040	ug/L		01/11/21 09:10	01/12/21 18:22	1
Bis(2-ethylhexyl) phthalate	ND		2.5	1.3	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Bromophenyl phenyl ether	ND		2.5	0.050	ug/L		01/11/21 09:10	01/12/21 18:22	1
Butyl benzyl phthalate	ND		2.5	0.048	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Chloroaniline	ND		2.5	0.85	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Chloro-3-methylphenol	ND		2.5	0.95	ug/L		01/11/21 09:10	01/12/21 18:22	1
2-Chloronaphthalene	ND		2.5	0.035	ug/L		01/11/21 09:10	01/12/21 18:22	1
2-Chlorophenol	ND		2.5	0.55	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Chlorophenyl phenyl ether	ND		2.5	0.50	ug/L		01/11/21 09:10	01/12/21 18:22	1
Dibenz[a,h]acridine	ND		2.5	0.25	ug/L		01/11/21 09:10	01/12/21 18:22	1
Dibenzofuran	ND		2.5	0.043	ug/L		01/11/21 09:10	01/12/21 18:22	1
3,3'-Dichlorobenzidine	ND		2.5	0.65	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4-Dichlorophenol	ND		2.5	0.75	ug/L		01/11/21 09:10	01/12/21 18:22	1
Diethyl phthalate	ND		2.5	0.060	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4-Dimethylphenol	ND		2.5	0.88	ug/L		01/11/21 09:10	01/12/21 18:22	1
Dimethyl phthalate	ND		2.5	0.043	ug/L		01/11/21 09:10	01/12/21 18:22	1
Di-n-butyl phthalate	ND		2.5	0.68	ug/L		01/11/21 09:10	01/12/21 18:22	1
4,6-Dinitro-ortho-cresol	ND		2.5	0.40	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4-Dinitrophenol	ND		7.5	0.85	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4-Dinitrotoluene	ND		2.5	0.48	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,6-Dinitrotoluene	ND		2.5	0.48	ug/L		01/11/21 09:10	01/12/21 18:22	1
Di-n-octyl phthalate	ND		2.5	0.043	ug/L		01/11/21 09:10	01/12/21 18:22	1
1,4-Dioxane	ND		2.5	0.25	ug/L		01/11/21 09:10	01/12/21 18:22	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517023/1-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine (as Azobenzene)	ND		2.5	0.25	ug/L		01/11/21 09:10	01/12/21 18:22	1
Hexachlorobenzene	ND		2.5	0.043	ug/L		01/11/21 09:10	01/12/21 18:22	1
Hexachlorocyclopentadiene	ND		5.0	0.65	ug/L		01/11/21 09:10	01/12/21 18:22	1
Hexachloroethane	ND		2.5	1.1	ug/L		01/11/21 09:10	01/12/21 18:22	1
Indene	ND		2.5	0.25	ug/L		01/11/21 09:10	01/12/21 18:22	1
Isophorone	ND		2.5	0.035	ug/L		01/11/21 09:10	01/12/21 18:22	1
2-Methylphenol	ND		2.5	0.45	ug/L		01/11/21 09:10	01/12/21 18:22	1
3 & 4 Methylphenol	ND		5.0	0.098	ug/L		01/11/21 09:10	01/12/21 18:22	1
2-Nitroaniline	ND		2.5	0.55	ug/L		01/11/21 09:10	01/12/21 18:22	1
3-Nitroaniline	ND		2.5	0.45	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Nitroaniline	ND		2.5	0.38	ug/L		01/11/21 09:10	01/12/21 18:22	1
Nitrobenzene	ND		2.5	0.033	ug/L		01/11/21 09:10	01/12/21 18:22	1
2-Nitrophenol	ND		2.5	1.3	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Nitrophenol	ND		2.5	0.53	ug/L		01/11/21 09:10	01/12/21 18:22	1
N-Nitrosodimethylamine	ND		2.5	0.88	ug/L		01/11/21 09:10	01/12/21 18:22	1
N-Nitrosodi-n-propylamine	ND		2.5	0.83	ug/L		01/11/21 09:10	01/12/21 18:22	1
N-Nitrosodiphenylamine	ND		2.5	0.045	ug/L		01/11/21 09:10	01/12/21 18:22	1
Pentachlorophenol	ND		5.0	0.35	ug/L		01/11/21 09:10	01/12/21 18:22	1
Phenol	ND		2.5	0.65	ug/L		01/11/21 09:10	01/12/21 18:22	1
Pyridine	ND		2.5	0.80	ug/L		01/11/21 09:10	01/12/21 18:22	1
Quinoline	ND		2.5	1.1	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4,5-Trichlorophenol	ND		2.5	0.93	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4,6-Trichlorophenol	ND		2.5	0.88	ug/L		01/11/21 09:10	01/12/21 18:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*46 - 124*	*01/11/21 09:10*	*01/12/21 18:22*	*1*
2-Fluorophenol	*56*		*13 - 113*	*01/11/21 09:10*	*01/12/21 18:22*	*1*
Nitrobenzene-d5	*77*		*36 - 126*	*01/11/21 09:10*	*01/12/21 18:22*	*1*
Phenol-d5	*78*		*17 - 127*	*01/11/21 09:10*	*01/12/21 18:22*	*1*
Terphenyl-d14	*87*		*44 - 149*	*01/11/21 09:10*	*01/12/21 18:22*	*1*
2,4,6-Tribromophenol	*73*		*26 - 150*	*01/11/21 09:10*	*01/12/21 18:22*	*1*

Lab Sample ID: LCS 400-517023/2-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	22.7		ug/L		76	21 - 120
Benzoic acid	125	87.6		ug/L		70	10 - 144
Benzyl alcohol	30.0	24.9		ug/L		83	28 - 120
Bis(2-chloroethoxy)methane	30.0	23.0		ug/L		77	47 - 120
Bis(2-chloroethyl)ether	30.0	24.0		ug/L		80	44 - 120
bis (2-chloroisopropyl) ether	30.0	22.4		ug/L		75	33 - 121
Bis(2-ethylhexyl) phthalate	30.0	27.0		ug/L		90	52 - 147
4-Bromophenyl phenyl ether	30.0	25.7		ug/L		86	54 - 122
Butyl benzyl phthalate	30.0	25.7		ug/L		86	54 - 133
4-Chloroaniline	30.0	17.0		ug/L		57	26 - 120
4-Chloro-3-methylphenol	30.0	24.3		ug/L		81	48 - 131

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517023/2-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	30.0	25.5		ug/L		85	52 - 121
2-Chlorophenol	30.0	24.1		ug/L		80	40 - 120
4-Chlorophenyl phenyl ether	30.0	27.5		ug/L		92	56 - 125
Dibenz[a,h]acridine	30.0	26.6		ug/L		89	31 - 150
Dibenzofuran	30.0	25.8		ug/L		86	56 - 122
3,3'-Dichlorobenzidine	40.0	40.0		ug/L		100	36 - 132
2,4-Dichlorophenol	30.0	24.4		ug/L		81	49 - 120
Diethyl phthalate	30.0	25.7		ug/L		86	50 - 137
2,4-Dimethylphenol	30.0	22.8		ug/L		76	48 - 120
Dimethyl phthalate	30.0	26.1		ug/L		87	57 - 124
Di-n-butyl phthalate	30.0	26.6		ug/L		89	58 - 126
4,6-Dinitro-ortho-cresol	60.0	57.0		ug/L		95	23 - 148
2,4-Dinitrophenol	60.0	66.2		ug/L		110	10 - 150
2,4-Dinitrotoluene	30.0	28.1		ug/L		94	54 - 142
2,6-Dinitrotoluene	30.0	26.5		ug/L		88	55 - 130
Di-n-octyl phthalate	30.0	27.1		ug/L		90	57 - 138
1,4-Dioxane	30.0	18.6		ug/L		62	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	30.0	23.9		ug/L		80	45 - 124
Hexachlorobenzene	30.0	25.9		ug/L		86	52 - 129
Hexachlorocyclopentadiene	30.0	22.6		ug/L		75	10 - 134
Hexachloroethane	30.0	21.8		ug/L		73	20 - 120
Indene	30.0	25.0		ug/L		83	49 - 120
Isophorone	30.0	23.2		ug/L		77	48 - 120
2-Methylphenol	30.0	23.4		ug/L		78	46 - 124
3 & 4 Methylphenol	30.0	21.6		ug/L		72	45 - 120
2-Nitroaniline	30.0	25.9		ug/L		86	51 - 145
3-Nitroaniline	30.0	24.9		ug/L		83	37 - 127
4-Nitroaniline	30.0	26.8		ug/L		89	36 - 137
Nitrobenzene	30.0	22.0		ug/L		73	45 - 120
2-Nitrophenol	30.0	25.9		ug/L		86	40 - 124
4-Nitrophenol	60.0	50.8		ug/L		85	23 - 146
N-Nitrosodimethylamine	30.0	19.7		ug/L		66	29 - 137
N-Nitrosodi-n-propylamine	30.0	23.8		ug/L		79	45 - 120
N-Nitrosodiphenylamine	29.8	26.2		ug/L		88	54 - 120
Pentachlorophenol	60.0	59.0		ug/L		98	31 - 130
Phenol	30.0	27.2		ug/L		91	11 - 120
Pyridine	60.0	32.7		ug/L		54	16 - 120
Quinoline	30.0	29.2		ug/L		97	49 - 130
2,4,5-Trichlorophenol	30.0	28.3		ug/L		94	51 - 136
2,4,6-Trichlorophenol	30.0	28.4		ug/L		95	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*46 - 124*
2-Fluorophenol	*62*		*13 - 113*
Nitrobenzene-d5	*72*		*36 - 126*
Phenol-d5	*75*		*17 - 127*
Terphenyl-d14	*77*		*44 - 149*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517023/2-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*86*		*26 - 150*

Lab Sample ID: LCS 400-517023/3-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	30.0	22.6		ug/L		75	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*95*		*46 - 124*
2-Fluorophenol	*62*		*13 - 113*
Nitrobenzene-d5	*75*		*36 - 126*
Phenol-d5	*70*		*17 - 127*
Terphenyl-d14	*86*		*44 - 149*
2,4,6-Tribromophenol	*73*		*26 - 150*

Lab Sample ID: LCSD 400-517023/24-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	23.7		ug/L		79	21 - 120	4	30
Benzoic acid	125	89.3		ug/L		71	10 - 144	2	30
Benzyl alcohol	30.0	25.7		ug/L		86	28 - 120	3	30
Bis(2-chloroethoxy)methane	30.0	23.6		ug/L		79	47 - 120	2	30
Bis(2-chloroethyl)ether	30.0	25.5		ug/L		85	44 - 120	6	30
bis (2-chloroisopropyl) ether	30.0	23.8		ug/L		79	33 - 121	6	30
Bis(2-ethylhexyl) phthalate	30.0	28.7		ug/L		96	52 - 147	6	30
4-Bromophenyl phenyl ether	30.0	27.0		ug/L		90	54 - 122	5	30
Butyl benzyl phthalate	30.0	27.8		ug/L		93	54 - 133	8	30
4-Chloroaniline	30.0	17.6		ug/L		59	26 - 120	3	30
4-Chloro-3-methylphenol	30.0	24.7		ug/L		82	48 - 131	2	30
2-Chloronaphthalene	30.0	27.5		ug/L		92	52 - 121	7	30
2-Chlorophenol	30.0	23.9		ug/L		80	40 - 120	1	30
4-Chlorophenyl phenyl ether	30.0	28.6		ug/L		95	56 - 125	4	30
Dibenz[a,h]acridine	30.0	28.6		ug/L		95	31 - 150	7	30
Dibenzofuran	30.0	27.3		ug/L		91	56 - 122	6	30
3,3'-Dichlorobenzidine	40.0	40.9		ug/L		102	36 - 132	2	30
2,4-Dichlorophenol	30.0	25.1		ug/L		84	49 - 120	3	30
Diethyl phthalate	30.0	27.3		ug/L		91	50 - 137	6	30
2,4-Dimethylphenol	30.0	24.1		ug/L		80	48 - 120	6	30
Dimethyl phthalate	30.0	27.4		ug/L		91	57 - 124	5	30
Di-n-butyl phthalate	30.0	28.4		ug/L		95	58 - 126	7	30
4,6-Dinitro-ortho-cresol	60.0	62.4		ug/L		104	23 - 148	9	30
2,4-Dinitrophenol	60.0	70.9		ug/L		118	10 - 150	7	30
2,4-Dinitrotoluene	30.0	29.5		ug/L		98	54 - 142	5	30
2,6-Dinitrotoluene	30.0	27.4		ug/L		91	55 - 130	3	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-517023/24-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-octyl phthalate	30.0	29.0		ug/L		97	57 - 138	7	30
1,4-Dioxane	30.0	19.5		ug/L		65	31 - 120	5	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	25.3		ug/L		84	45 - 124	5	30
Hexachlorobenzene	30.0	27.2		ug/L		91	52 - 129	5	30
Hexachlorocyclopentadiene	30.0	23.6		ug/L		79	10 - 134	4	30
Hexachloroethane	30.0	23.3		ug/L		78	20 - 120	7	30
Indene	30.0	26.6		ug/L		89	49 - 120	6	30
Isophorone	30.0	24.3		ug/L		81	48 - 120	5	30
2-Methylphenol	30.0	24.3		ug/L		81	46 - 124	4	30
3 & 4 Methylphenol	30.0	22.4		ug/L		75	45 - 120	4	30
2-Nitroaniline	30.0	27.1		ug/L		90	51 - 145	4	30
3-Nitroaniline	30.0	25.5		ug/L		85	37 - 127	2	30
4-Nitroaniline	30.0	27.3		ug/L		91	36 - 137	2	30
Nitrobenzene	30.0	22.8		ug/L		76	45 - 120	3	30
2-Nitrophenol	30.0	27.1		ug/L		90	40 - 124	5	30
4-Nitrophenol	60.0	52.2		ug/L		87	23 - 146	3	30
N-Nitrosodimethylamine	30.0	20.9		ug/L		70	29 - 137	6	30
N-Nitrosodi-n-propylamine	30.0	25.1		ug/L		84	45 - 120	5	30
N-Nitrosodiphenylamine	29.8	27.1		ug/L		91	54 - 120	3	30
Pentachlorophenol	60.0	60.3		ug/L		101	31 - 130	2	30
Phenol	30.0	27.9		ug/L		93	11 - 120	2	30
Pyridine	60.0	33.0		ug/L		55	16 - 120	1	30
Quinoline	30.0	31.4		ug/L		105	49 - 130	7	30
2,4,5-Trichlorophenol	30.0	27.9		ug/L		93	51 - 136	2	30
2,4,6-Trichlorophenol	30.0	29.7		ug/L		99	50 - 127	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*90*		*46 - 124*
2-Fluorophenol	*52*		*13 - 113*
Nitrobenzene-d5	*81*		*36 - 126*
Phenol-d5	*76*		*17 - 127*
Terphenyl-d14	*83*		*44 - 149*
2,4,6-Tribromophenol	*88*		*26 - 150*

Lab Sample ID: LCSD 400-517023/4-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	30.0	20.7		ug/L		69	10 - 120	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*97*		*46 - 124*
2-Fluorophenol	*56*		*13 - 113*
Nitrobenzene-d5	*78*		*36 - 126*
Phenol-d5	*75*		*17 - 127*
Terphenyl-d14	*89*		*44 - 149*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-517023/4-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517023

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol	72		26 - 150

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-517023/1-A
Matrix: Water
Analysis Batch: 517184

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.0080	ug/L		01/11/21 09:10	01/12/21 20:50	1
Acenaphthylene	ND		0.050	0.011	ug/L		01/11/21 09:10	01/12/21 20:50	1
Anthracene	ND		0.050	0.0080	ug/L		01/11/21 09:10	01/12/21 20:50	1
Benzo[a]anthracene	0.0130	J	0.050	0.012	ug/L		01/11/21 09:10	01/12/21 20:50	1
Benzo[a]pyrene	ND		0.050	0.011	ug/L		01/11/21 09:10	01/12/21 20:50	1
Benzo[b]fluoranthene	ND		0.050	0.0085	ug/L		01/11/21 09:10	01/12/21 20:50	1
Benzo[g,h,i]perylene	ND		0.050	0.033	ug/L		01/11/21 09:10	01/12/21 20:50	1
Benzo[k]fluoranthene	ND		0.050	0.025	ug/L		01/11/21 09:10	01/12/21 20:50	1
Chrysene	ND		0.050	0.019	ug/L		01/11/21 09:10	01/12/21 20:50	1
Dibenz(a,h)anthracene	0.0520		0.050	0.013	ug/L		01/11/21 09:10	01/12/21 20:50	1
Fluoranthene	ND		0.050	0.017	ug/L		01/11/21 09:10	01/12/21 20:50	1
Fluorene	ND		0.050	0.028	ug/L		01/11/21 09:10	01/12/21 20:50	1
Indeno[1,2,3-cd]pyrene	0.0210	J	0.050	0.011	ug/L		01/11/21 09:10	01/12/21 20:50	1
1-Methylnaphthalene	ND		0.050	0.019	ug/L		01/11/21 09:10	01/12/21 20:50	1
2-Methylnaphthalene	ND		0.050	0.015	ug/L		01/11/21 09:10	01/12/21 20:50	1
Phenanthrene	ND		0.050	0.0090	ug/L		01/11/21 09:10	01/12/21 20:50	1
Pyrene	ND		0.050	0.010	ug/L		01/11/21 09:10	01/12/21 20:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	65		15 - 122	01/11/21 09:10	01/12/21 20:50	1
Nitrobenzene-d5	62		19 - 130	01/11/21 09:10	01/12/21 20:50	1
Terphenyl-d14	75		33 - 138	01/11/21 09:10	01/12/21 20:50	1

Lab Sample ID: LCS 400-517023/2-A
Matrix: Water
Analysis Batch: 517184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	29.9		ug/L		100	41 - 120
Acenaphthylene	30.0	30.8		ug/L		103	44 - 120
Anthracene	30.0	30.8		ug/L		103	49 - 120
Benzo[a]anthracene	30.0	29.1		ug/L		97	61 - 135
Benzo[a]pyrene	30.0	29.4		ug/L		98	52 - 120
Benzo[b]fluoranthene	30.0	29.9		ug/L		100	53 - 134
Benzo[g,h,i]perylene	30.0	29.7		ug/L		99	47 - 133
Benzo[k]fluoranthene	30.0	28.7		ug/L		96	57 - 134
Chrysene	30.0	29.1		ug/L		97	55 - 122
Dibenz(a,h)anthracene	30.0	32.8		ug/L		109	48 - 146
Fluoranthene	30.0	31.0		ug/L		103	54 - 128

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-517023/2-A
Matrix: Water
Analysis Batch: 517184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	30.0	31.7		ug/L		106	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	30.2		ug/L		101	43 - 142
1-Methylnaphthalene	30.0	23.4		ug/L		78	41 - 120
2-Methylnaphthalene	30.0	23.9		ug/L		80	32 - 124
Phenanthrene	30.0	30.2		ug/L		101	48 - 120
Pyrene	30.0	28.9		ug/L		96	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*90*		*15 - 122*
Nitrobenzene-d5	*85*		*19 - 130*
Terphenyl-d14	*94*		*33 - 138*

Lab Sample ID: LCSD 400-517023/24-A
Matrix: Water
Analysis Batch: 517184

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	30.0	29.3		ug/L		98	41 - 120	2	56
Acenaphthylene	30.0	30.5		ug/L		102	44 - 120	1	56
Anthracene	30.0	30.2		ug/L		101	49 - 120	2	51
Benzo[a]anthracene	30.0	28.3		ug/L		94	61 - 135	3	49
Benzo[a]pyrene	30.0	29.4		ug/L		98	52 - 120	0	50
Benzo[b]fluoranthene	30.0	28.3		ug/L		94	53 - 134	6	54
Benzo[g,h,i]perylene	30.0	29.4		ug/L		98	47 - 133	1	50
Benzo[k]fluoranthene	30.0	30.6		ug/L		102	57 - 134	6	52
Chrysene	30.0	29.1		ug/L		97	55 - 122	0	50
Dibenz(a,h)anthracene	30.0	32.2		ug/L		107	48 - 146	2	50
Fluoranthene	30.0	30.4		ug/L		101	54 - 128	2	52
Fluorene	30.0	31.1		ug/L		104	45 - 125	2	56
Indeno[1,2,3-cd]pyrene	30.0	29.6		ug/L		99	43 - 142	2	51
1-Methylnaphthalene	30.0	23.0		ug/L		77	41 - 120	2	55
2-Methylnaphthalene	30.0	23.5		ug/L		78	32 - 124	2	57
Phenanthrene	30.0	29.9		ug/L		100	48 - 120	1	56
Pyrene	30.0	28.4		ug/L		95	48 - 132	2	52

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*15 - 122*
Nitrobenzene-d5	*84*		*19 - 130*
Terphenyl-d14	*91*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-517124/1-A
Matrix: Water
Analysis Batch: 517153

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517124

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/12/21 08:52	01/12/21 12:03	1

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: MB 400-517124/1-A
Matrix: Water
Analysis Batch: 517153

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517124

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/12/21 08:52	01/12/21 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*51 - 149*	*01/12/21 08:52*	*01/12/21 12:03*	*1*

Lab Sample ID: LCS 400-517124/2-A
Matrix: Water
Analysis Batch: 517153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517124

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.124		ug/L		123	60 - 140
1,2-Dibromoethane	0.101	0.122		ug/L		121	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*51 - 149*

Lab Sample ID: LCSD 400-517124/3-A
Matrix: Water
Analysis Batch: 517153

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517124

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.101	0.121		ug/L		121	60 - 140	2	30
1,2-Dibromoethane	0.101	0.118		ug/L		117	60 - 140	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*51 - 149*

LAB (LOCATION)

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))

☐ Other Lab Number #: 1364569 (TestAmerica)

Shell Oil Products US Chain Of Custody Record

AECOM

Please Check Appropriate Box:			
☐ SGW FDG	☐ PIPELINE	☐ RETAIL	
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES	
☐ TRANSPORTATION	☑ OTHER _ENV. SERVICES		

Print Bill To Contact Name:	PlaNet Site or Project ID
Bob Moosheglan	25278
PO #	GSAP Project ID
60643618 – 9-03-02F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES DATE: 1-7-21

PAGE: 1 of 1

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA — State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60643618 – 9-03-02F

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Elizabeth Kunkel, AECOM, St. Louis, MO; Melissa Remiger, Bob Billman, Wendy Pennington

PHONE NO.: 314-802-1171; 314-449-2913; 314-802-1122

E-MAIL: elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; bob.billman@aecom.com; wendy.pennington@aecom.com

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington

TELEPHONE: 314-429-0100 | FAX: 314-429-0462 | Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com

SAMPLER NAME(S): (Print) MD'Angelo Smayer

LAB USE ONLY

400-198006 COC

TURNAROUND TIME (CALENDAR DAYS):

☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) _EDD_____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

* Please include "J" values on Reports
* Please provide sample receipt upon login

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
NON-UNIT COST
60643618 – 9-03-02F

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL
	TB-ROX-010721-8260-BK	1/7/21	0000	water	2					2	X			
	TB-ROX-010721-8011-BK		0000		2					2		X		
	MW23-ROX-010721		1320		6			2		8	X	X	X	X

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

Relinquished by (Signature): MD'Angelo — Date: 1/7/21

Received by (Signature): Fedex: 9345 4056 8401 / 9345 4056 8412 — Date: 1-7-21 — Time: 1600

Relinquished by (Signature):

Received by (Signature): — Date: 1-8-21 — Time: 0936

Relinquished by (Signature):

Received by (Signature): — Date: — Time:

CUSTODY SEALS: 1450575 / 1450574
1450577 / 1450576

Version 14Dec15

Page 34 of 40

1/22/2021

LAB (LOCATION)

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))

☐ Other Lab Vendor # 1384589 (TestAmerica))

Shell Oil Products US Chain Of Custody Recor

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL

☐ CHEMICALS ☐ CONSULTANT ☐ LUBES

☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES

Print Bill To Contact Name: Bob Mooshegian

PO #: 60648474 – 3.2.1F

PlaNet Site or Pi: 25278

GSAP Projec: USPC/00114/F

SAMPLING COMPANY: AECOM

LOG CODE:

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington

EDF DELIVERABLE TO (Name, Company, Office Location): Elizabeth Kunkel, AECOM, St. Louis, MO; Melissa Remiger, Bob Billman, Wendy Pennington

PHONE NO.: 314-802-1171; 314-449-2913; 314-802-1122

E-MAIL: melissa.r bob.billm wendy.pe

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com

SAMPLER NAME(S) (Print): MD'Angelo Mayer

TURNAROUND TIME (CALENDAR DAYS):

☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
* Please include "J" values on Reports
* Please provide sample receipt upon login

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
NON-UNIT COST
60648474 – 3.2.1F

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL
	TB-ROX-010721-8260-BP	1/7/21	0000	water	2					2	X			
	TB-ROX-010721-8011-BP	↓	0000	↓	2					2			X	
	HW23-ROX-010721	↓	1320	↓	6			2		8	X	X	X	X

MD'Angelo 1/7/21

Relinquished by: (Signature) MD'Angelo

Received by: (Signature) Fedex: 9345 4056 8401 / 9345 4056 8412

Date: 1-

Relinquished by: (Signature)

Received by: (Signature)

Date:

Relinquished by: (Signature)

Received by: (Signature)

Date:

CUSTODY SEALS - 1450575 / 1450574
1450577 / 1450576

Klingensmith, Leah

From: Remiger, Melissa <melissa.remiger@aecom.com>
Sent: Friday, January 8, 2021 8:22 AM
To: Klingensmith, Leah; Kunkel, Elizabeth; Evans, Lauren; Avery, Kathy; Kennedy, Amelia
Cc: Howell, Brett; DAngelo, Mary; Mayer, Joe; Oliver, Aaron
Subject: RE: Roxana (1Q21) Quarterly Groundwater Updates, including my schedule (out next week)
Attachments: 1Q21 ROX GW Sampling COC Redo 010721.pdf

Importance: High

EXTERNAL EMAIL*

Leah,

Please see attached COC for #60648474-3.2.1F (Non-unit) Roxana (1Q21) Quarterly Groundwater samples arriving today (FRIDAY) morning in Pensacola. Please use the attached COCs **instead of what is included in the coolers**. This new project # for 2021 went live after close of business yesterday, therefore the COCs in the cooler have old project #s listed. Apologies for any confusion, and please let me know if you have any questions.

Thank you,
Melissa

Melissa Remiger
Environmental Scientist, Design and Consulting Services Group (DCS)
D 314-802-1207 C 314-449-2913
Cisco Internal: 2221207
melissa.remiger@aecom.com

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T +1-314-429-0100
www.aecom.com

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From: Klingensmith, Leah <Leah.Klingensmith@Eurofinset.com>
Sent: Wednesday, January 06, 2021 4:45 PM
To: Kunkel, Elizabeth <elizabeth.kunkel@aecom.com>

Cc: Remiger, Melissa <melissa.remiger@aecom.com>; Howell, Brett <brett.howell@aecom.com>; DAngelo, Mary <Mary.DAngelo@aecom.com>; Mayer, Joe <joe.mayer@aecom.com>; Oliver, Aaron <aaron.oliver@aecom.com>
Subject: [EXTERNAL] RE: Roxana (1Q21) Quarterly Groundwater Updates, including my schedule (out next week)

Thanks!

Leah R Klingensmith
Senior Project Manager

Phone: 615-301-5038

leah.klingensmith@eurofinset.com

From: Kunkel, Elizabeth <elizabeth.kunkel@aecom.com>
Sent: Wednesday, January 6, 2021 4:28 PM
To: Klingensmith, Leah <Leah.Klingensmith@Eurofinset.com>
Cc: Remiger, Melissa <melissa.remiger@aecom.com>; Howell, Brett <brett.howell@aecom.com>; DAngelo, Mary <Mary.DAngelo@aecom.com>; Mayer, Joe <joe.mayer@aecom.com>; Oliver, Aaron <aaron.oliver@aecom.com>
Subject: Roxana (1Q21) Quarterly Groundwater Updates, including my schedule (out next week)

EXTERNAL EMAIL*

Leah,

We will be collecting the first of the Roxana (1Q21) Quarterly Groundwater samples tomorrow with samples arriving in Pensacola Friday and Saturday mornings of this week, into next week, etc.

I will be on vacation next week, starting the morning of January 11th through until the morning of January 18th.

Melissa or her designee (team cc'd) will send you the Roxana Groundwater COCs in my absence. Please be sure to include melissa.remiger@aecom.com on any communications that you send to me as I will not have access to e-mail next week.

Please let me know of any questions or concerns.

Thank you,
Elizabeth

Elizabeth Kunkel
Senior Chemist, Environment Practice
Analytical Chemistry Lead Verifier
D +1-314-802-1171
elizabeth.kunkel@aecom.com

AECOM
100 N. Broadway, 20th Floor
St. Louis, MO 63102
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aecom.com

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Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-198006-1

Login Number: 198006
List Number: 1
Creator: Conrady, Hank W

List Source: Eurofins TestAmerica, Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.4°C 0.7°C IR-9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198006-1

Laboratory: Eurofins TestAmerica, Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-21
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-02-21
California	State	2510	06-30-21
Florida	NELAP	E81010	06-30-21
Georgia	State	E81010(FL)	06-30-21
Illinois	NELAP	200041	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-21
Kentucky (UST)	State	53	06-30-21
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-21
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-21
Michigan	State	9912	06-30-21
New Jersey	NELAP	FL006	06-30-21
New York	NELAP	12115	04-01-21
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810-186	08-31-21
Pennsylvania	NELAP	68-00467	01-31-21
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026002	06-30-21
Tennessee	State	TN02907	06-30-21
Texas	NELAP	T104704286	09-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-21
Washington	State	C915	05-15-21
West Virginia DEP	State	136	06-30-21

Roxana Groundwater Quarterly – 1st Quarter 2021 Data Review

Laboratory SDG: 400-198050-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 2/2/2021

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2017

Sample Identification	Sample Identification
TB-ROX-010821-8260-A	TB-ROX-010821-8011-A
MW3-ROX-010821	ROST3MW-ROX-010821
MW26-ROX-010821	TB-ROX-010821-8260-B
TB-ROX-010821-8011-B	P114R-ROX-010821
MW13-ROX-010821	MW27-ROX-010821

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated PAHs were detected in the method blanks. Several VOC LCS recoveries were outside evaluation criteria. The SVOC surrogate recovery for terphenyl-d_{14} was outside criteria in sample P114R-ROX-010821. Several VOC, SVOC, and/or VOC by 8011 MS/MSD recoveries were outside evaluation criteria in samples MW3-ROX-010821 and P114R-ROX-010821. These issues are addressed further in the appropriate sections of this data review.

Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.

The cooler receipt form did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

Yes

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration /Amount
MB 400-517023/1-A	PAHs	Benzo[a]anthracene	0.0130 µg/L
MB 400-517023/1-A	PAHs	Dibenz(a,h)anthracene	0.0520 µg/L
MB 400-517023/1-A	PAHs	Indeno[1,2,3-cd]pyrene	0.0210 µg/L

Blank ID	Parameter	Analyte	Concentration /Amount
MB 400-517471/1-A	PAHs	Benzo[a]anthracene	0.0973 µg/L
MB 400-517471/1-A	PAHs	Benzo[a]pyrene	0.0680 µg/L
MB 400-517471/1-A	PAHs	Benzo[b]fluoranthene	0.0550 µg/L
MB 400-517471/1-A	PAHs	Indeno[1,2,3-cd]pyrene	0.0552 µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW3-ROX-010821	PAHs	Benzo[a]anthracene	-	**U**
MW3-ROX-010821	PAHs	Benzo[a]pyrene	-	**U**
MW3-ROX-010821	PAHs	Benzo[b]fluoranthene	-	**U**
ROST3MW-ROX-010821	PAHs	Benzo[a]anthracene	-	**U**
ROST3MW-ROX-010821	PAHs	Benzo[a]pyrene	-	**U**
MW26-ROX-010821	PAHs	Benzo[a]anthracene	-	**U**
MW27-ROX-010821	PAHs	Indeno[1,2,3-cd]pyrene	-	**U**

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS ID	Parameter	Analyte	LCS Recovery	LCS Criteria
LCS 400-517566/1002	VOCs	1-Chlorohexane	**132**	69-130
LCS 400-517566/1002	VOCs	n-Butylbenzene	**154**	67-130
LCS 400-517566/1002	VOCs	p-Isopropyltoluene	**141**	65-130
LCS 400-517566/1002	VOCs	sec-Butylbenzene	**133**	66-130
LCS 400-517566/1002	VOCs	1,2,4-Trimethylbenzene	**135**	70-130

Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. No qualification of data was required.

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P114R-ROX-010821	SVOCs	Terphenyl-d_{14}	**27**	44-149

Qualifications due to surrogate recoveries were not required if only one of three base/neutral SVOC surrogate recoveries were outside evaluation criteria in the associated samples. No qualification of data was required.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

Yes, samples MW3-ROX-010821 and P114R-ROX-010821 were spiked and analyzed for VOCs, SVOCs, PAHs, and VOCs by 8011.

Were MS/MSD recoveries within evaluation criteria?

No

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW3-ROX-010821	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-150/50
P114R-ROX-010821	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-150/50
MW3-ROX-010821	SVOCs	1,4-Dioxane	**29/26**	14	50-150/40
P114R-ROX-010821	SVOCs	3,3'-Dichlorobenzidine	**0/6**	**NC**	10-120/58
P114R-ROX-010821	SVOCs	1,4-Dioxane	**33/31**	1	50-150/40
P114R-ROX-010821	SVOCs	Pentachlorophenol	121/**135**	14	29-130/42
MW3-ROX-010821	VOCs by 8011	1,2-Dibromoethane	**143/141**	0	65-135/20

Analytical data that required qualification based on MS/MSD data are included in the table below. Professional judgement was used to qualify; however, not reject the compound 2-chloroethyl vinyl ether due to acceptable LCS recoveries for this compound and to the acid reactive nature of 2-chloroethyl vinyl ether. Analytical data reported as non-detect and associated with MS/MSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Sample ID	Parameter	Analyte	Qualification
MW3-ROX-010821	VOCs	2-Chloroethyl vinyl ether	**UJ**
MW3-ROX-010821	SVOCs	1,4-Dioxane	**UJ**
P114R-ROX-010821	VOCs	2-Chloroethyl vinyl ether	**UJ**
P114R-ROX-010821	SVOCs	3,3'-Dichlorobenzidine	**UJ**
P114R-ROX-010821	SVOCs	1,4-Dioxane	**UJ**

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

No

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; samples analyzed did not require dilution.

12.0 Additional Qualifications

Were additional qualifications applied?

No

1.0 VALIDATION OF DBCP AND EDB DATA – SDG 400-198050-1

This section describes the validation for six investigative groundwater samples and two trip blanks that were prepared and analyzed for 1,2-dibromo-3-chloropropane (DBCP) and 1,2-dibromoethane (EDB) by USEPA SW-846 Method 8011. The samples were analyzed by TestAmerica Laboratories, Inc. of Pensacola, Florida, and submitted as part of the sample delivery group (SDG) 400-198050-1. The samples included as part of this validation are listed below.

Sample Identification	Sample Identification
TB-ROX-010821-8011-A	MW3-ROX-010821
ROST3MW-ROX-010821	MW26-ROX-010821
TB-ROX-010821-8011-B	P114R-ROX-010821
MW13-ROX-010821	MW27-ROX-010821

Evaluation of the analytical data followed procedures outlined in the USEPA Contract Laboratory National Functional Guidelines for Superfund Organic Methods Data Review (EPA 2017).

Criteria evaluated included the following method performance criteria:

- Data package completeness
- Laboratory case narrative/cooler receipt form
- Holding times and sample preservation
- Initial calibration (ICAL)
- Calibration verification (CV)
- Blank samples
- Laboratory control spike (LCS) samples
- Surrogate spike recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) samples
- Internal standards
- Target compound identification and quantification
- Overall data assessment

1.1 Data Package Completeness

The data package was reviewed to make certain it contained the data contractually required in the deliverable. This included checking the data package for the results of each analyte requested for each field sample submitted in the analytical batch, along with requested QC documentation for the respective methods.

1.2 Laboratory Case Narrative/Cooler Receipt Form

The laboratory case narrative indicated that MS/MSD recoveries for 1,2-dibromomethane were outside evaluation criteria in sample MW3-ROX-010821. CCV recoveries for 1,2-

dibromo-3-chloropropane and 1,2-dibromoethane were outside evaluation criteria. These issues are discussed further in the appropriate sections of this validation report.

No issues were indicated in the cooler receipt form.

1.3 Holding Times and Sample Preservation

Review of the sample collection and analysis dates involved comparing the sample chain-of-custody, the summary forms, the raw data forms, and the chromatograms for accuracy, consistency, and holding time compliance. The samples were received in good condition and were received and maintained at temperatures of ≤ 6ºC. In addition, the samples were analyzed within 14 days of collection. No qualifications to the data were required based on holding times and sample preservation.

1.4 Initial Calibration

An ICAL was established to assess whether the instrument was capable of producing acceptable qualitative and quantitative data for EDB/DBCP analyses. Validated samples included in SDG 400-198050-1 were analyzed using instrument Yeti. The ICAL for instrument Yeti was established on 1/5/2021. At least five standard concentrations were used to establish the ICAL curve as required by Method 8011.

Review of the ICAL summary forms indicated percent relative standard deviations (%RSDs) were ≤ 15% for target analytes or were determined using least square linear regression and correlation coefficients (r) were greater than 0.990. A recalculation of the %RSDs was performed from the raw data and no errors in calculation were noted; therefore, no qualification of data was required.

Review of the sample chromatograms indicated that an initial calibration verification (ICV) was performed following the initial calibration. Review of ICV summary forms indicated percent difference (%D) ≤ 30% for target analytes were within evaluation criteria. No qualification of data was required.

Recalculation of the percent recoveries was completed, and no errors in calculation were noted.

1.5 Calibration Verification

Review of the sample chromatograms indicated that all CVs were performed before the start of sample analysis, every ten sample injections, and at the end of sample analysis. %Ds met the evaluation criteria of ≤ 15% for target analytes with the exceptions summarized in the table below.

CV (Date/Time)	Analyte	%D
400-517153/2/ 01/12/2021 11:29	1,2-Dibromomethane	**20.2**
400-517153/2/ 01/12/2021 11:29	1,2-Dibromo-3-chloropropane	**34.3**
400-517153/13/ 01/12/2021 15:18	1,2-Dibromo-3-chloropropane	**23.8**

The results for the validated samples associated with an increase in response factor and calculated as positive %D, indicating a potential high bias, were non-detect and were not qualified. No qualification of data was required.

Recalculations of the %Ds for target compounds were completed for each CV, and no errors in calculation were noted; therefore, no qualifications of data were required.

1.6 Blank Samples

The purpose of the method blank samples is to evaluate the existence and magnitude of contamination problems emanating from laboratory activities. Method blank samples were analyzed with each analytical batch as required by USEPA SW-846 Method 8011. Also, trip blanks were analyzed to evaluate the existence and magnitude of contamination problems emanating from sample shipment to the laboratory. Equipment blank samples were used to evaluate the efficiency of the decontamination of sampling equipment. Target compounds were reported as non-detect. No qualification of data was required.

1.7 Laboratory Control Spike (LCS) Samples

Laboratory control samples were analyzed with each analytical batch to assess the accuracy of the analytical process. LCS data were within evaluation criteria.

Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with RPD alone outside evaluation criteria did not require qualification. No qualification of data was required.

Approximately 10% of spiking compound recoveries for the LCS were recalculated and verified using the LCS summary forms, and no calculation or transcription errors were noted.

1.8 Surrogate Spike Recoveries

Surrogate compounds were used to evaluate the overall laboratory sample preparation efficiency on a per sample basis. Surrogate recoveries were within the method acceptance criteria for the validated samples. No qualification of data was required.

Approximately 10% of the recoveries were recalculated and no calculation or transcription errors were noted.

1.9 Matrix Spike/Matrix Spike Duplicate Samples

MS/MSD samples are analyzed to assess potential matrix effects. Sample MW3-ROX-010821 was spiked and analyzed for VOCs by 8011.

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW3-ROX-010821	VOCs by 8011	1,2-Dibromoethane	**143/141**	0	65-135/20

Analytical data reported as non-detect and associated with MS/MSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. The compound 1,2-dibromomethane was non-detect in sample MW3-ROX-010821 and did not require qualification. No qualification of data was required.

1.10 Target Compound Identification and Quantification

For validation of the compound identification, chromatograms were reviewed to verify the major peaks were identified, and the relative retention time was no greater than 0.06

minutes different from the associated CV retention times. Approximately 10% of the detected target analytes were verified. No anomalies were noted with the identification of the target compounds in the samples.

For the validation of compound quantitation, the matrix spike results were recalculated from the raw data since all target analytes were non-detect, and no calculation errors were noted. Additionally, the reporting limits (RLs) were verified to determine if RLs were adjusted for dilutions. No qualification of the data was required and review of the data indicated the correct RLs were reported.

1.11 Overall Data Assessment

Based on the criteria outlined, it is recommended that the results reported for these analyses are accepted for their intended use. Acceptable levels of accuracy and precision, based on LCS, MS/MSD and surrogate data were achieved for this SDG.

1.0 VALIDATION OF VOC DATA – SDG 400-198050-1

This section describes the validation for six investigative groundwater samples and two trip blanks which were prepared by USEPA SW-846 Method 5030B and analyzed for Volatile Organic Compounds (VOCs) by USEPA SW-846 Method 8260B. The samples were analyzed by TestAmerica Laboratories, Inc. of Pensacola, Florida, and submitted as part of the sample delivery group (SDG) 400-198050-1. The samples included as part of this validation are listed below.

Sample Identification	Sample Identification
TB-ROX-010821-8260-A	MW3-ROX-010821
ROST3MW-ROX-010821	MW26-ROX-010821
TB-ROX-010821-8260-B	P114R-ROX-010821
MW13-ROX-010821	MW27-ROX-010821

Evaluation of the analytical data followed procedures outlined in the USEPA Contract Laboratory National Functional Guidelines for Superfund Organic Methods Data Review (EPA 2017).

Criteria evaluated included the following method performance criteria:

- Data package completeness
- Laboratory case narrative/cooler receipt form
- Holding times and sample preservation
- GC/MS instrument performance
- Initial calibration (ICAL)
- Calibration verification (CV)
- Blank samples
- Laboratory control spike (LCS) samples
- Surrogate spike recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) samples
- Internal standards
- Target compound identification and quantification
- Overall data assessment

1.1 Data Package Completeness

The data package was reviewed to make certain that it contained the data contractually required in the deliverable. This included checking the data package for the results of each analyte requested for each field sample submitted in the analytical batch, along with requested QC documentation for the respective methods.

1.2 Laboratory Case Narrative/Cooler Receipt Form

The laboratory case narrative indicated several VOC LCS recoveries were outside evaluation criteria. MS/MSD recoveries of 2-chloroethyl vinyl ether were outside evaluation criteria in samples MW3-ROX-010821 and P114R-ROX-010821. CCV recoveries for the compound n-butylbenzene were outside evaluation criteria. These issues are addressed further in the appropriate sections of this data validation report.

Additionally, the laboratory case narrative indicated three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.

The cooler receipt form did not indicate any issues.

1.3 Holding Times and Sample Preservation

Review of the sample collection and analysis dates involved comparing the sample chain-of-custody, the summary forms, the raw data forms, and the chromatograms for accuracy, consistency, and holding time compliance. The samples were in good condition and were received and maintained at temperatures of ≤ 6ºC. In addition, the samples were analyzed within 14 days of collection at a pH < 2.0. No qualifications to the data were required based on holding times and sample preservation.

1.4 GC/MS Instrument Performance

GC/MS instrument performance checks were performed to ensure mass resolution, identification, and instrument sensitivity. Criteria for evaluation of instrument performance included possible transcription/calculation errors, adherence to instrument tuning frequency requirements, mass assignments, and ion abundance criteria. Instrument performance check samples were evaluated against criteria established in USEPA SW-846 Method 8260.

Based on the summary forms, the ion abundance criteria were within evaluation criteria for all masses. No qualifications to the data were required based on instrument performance criteria.

1.5 Initial Calibration

An ICAL was established to assess whether the instrument was capable of producing acceptable qualitative and quantitative data for volatiles analyses. Validated samples included in SDG 400-198050-1 were analyzed using instrument Darwin. The ICAL for instrument Darwin was established on 12/17/2020. At least five standard concentrations were used to establish the ICAL curves as required by Method 8260B.

The ICAL response factors (RFs) were reviewed and were greater than 0.10 for chloromethane, 0.10 for 1,1-dichloroethane, 0.10 for bromoform, 0.30 for chlorobenzene, 0.30 for 1,1,2,2-tetrachloroethane, and greater than National Functional Guideline (NFG) specified minimum RRFs for all other target analytes. No qualification of data was required.

Review of the initial calibration summary forms indicated %RSDs were $\leq$ 30% for calibration check compounds (CCCs) [1,1-dichloroethene, toluene, chloroform, ethylbenzene, 1,2-dichloropropane, and vinyl chloride], and $\leq$ 15% for non-CCCs.

An initial calibration verification (ICV) was analyzed following the initial calibration. Percent difference (%D) values from comparing ICV RF to the average ICAL RFs were within criteria specified in NFG (2017).

A recalculation of the %RSDs and RFs for a compound associated with each internal standard was performed from the raw data and no errors in calculation were noted; therefore, no qualification of data was required.

1.6 Calibration Verification

Review of the sample chromatograms indicated that all calibration verifications (CVs) were performed before the start of sample analysis. Review of CV summary forms indicated RFs met the evaluation criteria of greater than 0.10 for chloromethane, 0.10 for 1,1-dichloroethane, 0.10 for bromoform, 0.30 for chlorobenzene, 0.30 for 1,1,2,2-tetrachloroethane, and greater than 2017 NFG specified minimum RRFs for all other target analytes. No qualification of data was required.

Percent difference (%D) values were within criteria specified in NFG (2017) with the exception summarized in the table below.

CV (Date/Time)	Analyte	%D
400-517566/2/ 01/15/2021 12:23	n-Butylbenzene	**54.3**

The results for the validated samples associated with an increase in response factor and calculated as positive %D, indicating a potential high bias, were non-detect and were not qualified. No qualification of data was required.

Recalculations of the RFs and %Ds for two target compounds were completed for each CV, and no errors in calculation were noted; therefore, no qualifications of data were required.

1.7 Blank Samples

The purpose of the method blank samples is to evaluate the existence and magnitude of contamination problems emanating from laboratory activities. Method blank samples were analyzed with each analytical batch as required by USEPA SW-846 Method 8260B. The purpose of trip blank samples is to evaluate the existence and magnitude of contamination emanating from field and transport activities. Target compounds were reported as non-detect. No qualification of data was required.

1.8 Laboratory Control Spike (LCS) Samples

Laboratory control samples were analyzed with each analytical batch to assess the accuracy of the analytical process. LCS data were within evaluation criteria with the exceptions summarized in the following table.

LCS ID	Parameter	Analyte	LCS Recovery	LCS Criteria
LCS 400-517566/1002	VOCs	1-Chlorohexane	**132**	69-130
LCS 400-517566/1002	VOCs	n-Butylbenzene	**154**	67-130
LCS 400-517566/1002	VOCs	p-Isopropyltoluene	**141**	65-130
LCS 400-517566/1002	VOCs	sec-Butylbenzene	**133**	66-130
LCS 400-517566/1002	VOCs	1,2,4-Trimethylbenzene	**135**	70-130

Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. No qualification of data was required.

Approximately 10% of spiking compound recoveries for the LCS were recalculated and verified using the LCS summary forms, and no calculation or transcription errors were noted. No qualification of data was required.

1.9 Surrogate Spike Recoveries

Surrogate compounds were used to evaluate the overall laboratory sample preparation efficiency on a per sample basis. All surrogate recoveries were within the method acceptance criteria for the validated samples. Approximately 10% of the recoveries were recalculated, and no calculation or transcription errors were noted.

1.10 Matrix Spike/Matrix Spike Duplicate Samples

MS/MSD samples are analyzed to assess potential matrix effects. Samples MW3-ROX-010821 and P114R-ROX-010821 were spiked and analyzed for VOCs. MS/MSD recoveries were within evaluation criteria with exceptions summarized in the following table.

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW3-ROX-010821	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-150/50
P114R-ROX-010821	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-150/50

Analytical data that required qualification based on MS/MSD data are included in the table below. Professional judgement was used to qualify; however, not reject the compound 2-chloroethyl vinyl ether due to acceptable LCS recoveries for this compound and to the acid reactive nature of 2-chloroethyl vinyl ether.

Sample ID	Parameter	Analyte	Qualification
MW3-ROX-010821	VOCs	2-Chloroethyl vinyl ether	**UJ**
P114R-ROX-010821	VOCs	2-Chloroethyl vinyl ether	**UJ**

1.11 Internal Standards

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during each analytical run. IS areas must be within -50% to +100%, and the IS retention times must be within 30 seconds of the IS continuing calibration retention time. IS areas and retention times for the validated samples in this SDG were within evaluation criteria.

The summary forms versus the raw data were verified and no transcription errors were noted. No qualification of data was required.

1.12 Target Compound Identification and Quantification

For validation of the compound identification, chromatograms were reviewed to verify the major peaks were identified, and the relative retention time was no greater than 0.06 minutes different from the associated CV retention times. Approximately 10% of the detected target analytes were recalculated and verified. No anomalies were noted with the identification of the target compounds in the samples.

For the validation of compound quantitation, approximately 10% of the detected target analytes were recalculated from the raw data, and no calculation errors were noted. Additionally, the reporting limits (RLs) were verified to determine if RLs were adjusted for

dilutions. No qualification of the data was required and review of the data indicated the correct RLs were reported.

1.13 Overall Data Assessment

Based on the criteria outlined, it is recommended that the results for these analyses are accepted for their intended use. Acceptable levels of accuracy and precision, based on LCS, MS/MSD, and surrogate data were achieved for this SDG.

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VALIDATION OF SVOC DATA – SDG 400-198050-1

This section describes the validation for six investigative groundwater samples which were prepared by USEPA SW-846 Method 3520C and analyzed for Semi-Volatile Organic Compounds (SVOCs) by USEPA SW-846 Method 8270D and for Polycyclic Aromatic Hydrocarbons (PAHs) by USEPA SW-846 Method 8270D Low Level. Samples were analyzed by TestAmerica Laboratories, Inc. of Pensacola, Florida, and submitted as part of sample delivery group (SDG) 400-198050-1. Samples included as part of this validation are listed below:

Sample Identification	Sample Identification
MW3-ROX-010821	ROST3MW-ROX-010821
MW26-ROX-010821	P114R-ROX-010821
MW13-ROX-010821	MW27-ROX-010821

Evaluation of the analytical data followed procedures outlined in the USEPA Contract Laboratory National Functional Guidelines for Superfund Organic Methods Data Review (EPA 2017).

Criteria evaluated included the following method performance criteria:

- Data package completeness
- Laboratory case narrative/cooler receipt form
- Holding times and sample preservation
- GC/MS instrument performance
- Initial calibration (ICAL)
- Calibration verification (CV)
- Blank samples
- Laboratory control sample (LCS)
- Surrogate spike recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) samples
- Internal standard areas
- Target compound identification and quantitation
- Overall data assessment

1.1 Data Package Completeness

The data package was reviewed to make certain it contained the data contractually required in the deliverable. This included checking the data package for the results of each analyte requested for each field sample submitted in the analytical batch, along with requested QC documentation for the respective methods. The data package was complete.

1.2 Laboratory Case Narrative/Cooler Receipt Form

The laboratory case narrative indicated PAHs were detected in the method blanks. The SVOC surrogate recovery for terphenyl-d_{14} was outside criteria in sample P114R-ROX-010821. Several SVOC MS/MSD recoveries were outside evaluation criteria in sample P114R-ROX-010821. SVOC CCV recoveries for phenol and aniline were outside evaluation criteria. PAH

CCV recovery for fluorene was outside evaluation criteria. These issues are addressed further in the appropriate sections of this data validation report.

No issues were indicated in the cooler receipt form.

1.3 Holding Times and Sample Preservation

Review of the sample collection and analysis dates involved comparing the chain-of-custody, the summary forms, the raw data forms, and the chromatograms for accuracy, consistency, and holding time compliance. The samples were in good condition and were received and maintained at temperatures of ≤ 6ºC, and were extracted within seven days of collection and analyzed within 40 days of extraction,

1.4 GC/MS Instrument Performance

GC/MS instrument performance checks were performed to ensure mass resolution, identification, and instrument sensitivity. Criteria for evaluation of instrument performance included possible transcription/calculation errors, adherence to instrument tuning frequency requirements, mass assignments, and ion abundance criteria. Instrument performance check samples were evaluated against the laboratory tuning criteria established in Method 8270D.

Based on the raw data, the ion abundance criteria were within evaluation criteria for all masses, therefore; no qualification of the data was required. The raw data forms were checked against the summary forms and no calculation or transcription errors were noted.

1.5 Initial Calibration

An ICAL was established to assess whether the instrument was capable of producing acceptable qualitative and quantitative data for semi-volatile analysis. SVOC samples as part of SDG 400-198050-1 were analyzed using instrument Marianne. PAH samples were analyzed using instrument Peanuts. The ICALs for instruments Marianne and Peanuts, were established on 1/6/2021 and 11/27/2020, respectively. ICALs for instruments Marianne and Peanuts were established prior to sample analysis and using at least five concentration standards to establish the initial calibration curve as required by Method 8270D and 8270D Low Level. An average response factor (RF) was determined for each target analyte, and the RFs were reviewed and verified as greater than the minimum RF as specified in NFG 2017 for all target analytes.

Review of the initial calibration summary forms for SVOCs and PAHs indicated target compounds had percent relative standard deviations (%RSDs) $\leq$ the maximum RSD specified in NFG 2017 for target analytes or closely analogous compounds. Least square linear regression was applied to data for target analytes with %RSDs greater than 15% and the resulting correlation coefficients (r) were greater than 0.990.

Initial calibration verifications (ICVs) for SVOCs and PAHs were analyzed following the initial calibrations. Percent difference (%D) values comparing ICV RF to the average ICAL RFs were less than those specified in NFG (2017) or were > 20% for target, or closely analogous, compounds. No qualification of data was required.

Recalculations of the RFs and %RSD for one compound per internal standard were performed, and no errors in calculation were noted.

1.6 Calibration Verification

Review of sample chromatograms indicated the CVs were performed prior to sample analysis. Review of continuing calibration summary forms for SVOCs and PAHs indicated all RFs met the evaluation criteria of greater than the NFG (2017) specified minimum RF for all target analytes. In addition, %Ds met the evaluation criteria of less than or equal to those specified in NFG (2017) for target, or closely analogous, compounds with the exceptions summarized in the table below.

CV (Date/Time)	Analyte	%D
400-517182/3 / 01/12/2021 13:46	Phenol	**26.8**
400-517448/3 / 01/14/2021 12:05	Aniline	**22.7**
400-517184/3 / 01/12/2020 14:27	Fluorene	**23.3**

The results for the validated samples associated with increases in response factors and calculated as positive %D, indicating a potential high bias, were non-detect and were not qualified. No qualification of data was required.

Recalculations of the RFs and %RSD for one compound per internal standard were performed, and no errors in calculation were noted.

1.7 Blank Samples

The purpose of method blank samples is to evaluate the existence and magnitude of contamination problems emanating from laboratory activities. Method blank samples were analyzed with each analytical batch as required by USEPA SW-846 Method 8270D. Target compounds in the method blank were reported as non-detect with the exceptions summarized in the table below. An equipment blank sample was analyzed to evaluate contamination problems emanating from field or laboratory activities. Target compounds were reported as non-detect with the exception summarized in the table below.

Blank ID	Parameter	Analyte	Concentration /Amount
MB 400-517023/1-A	PAHs	Benzo[a]anthracene	0.0130 µg/L
MB 400-517023/1-A	PAHs	Dibenz(a,h)anthracene	0.0520 µg/L
MB 400-517023/1-A	PAHs	Indeno[1,2,3-cd]pyrene	0.0210 µg/L
MB 400-517471/1-A	PAHs	Benzo[a]anthracene	0.0973 µg/L
MB 400-517471/1-A	PAHs	Benzo[a]pyrene	0.0680 µg/L
MB 400-517471/1-A	PAHs	Benzo[b]fluoranthene	0.0550 µg/L
MB 400-517471/1-A	PAHs	Indeno[1,2,3-cd]pyrene	0.0552 µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW3-ROX-010821	PAHs	Benzo[a]anthracene	-	**U**

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW3-ROX-010821	PAHs	Benzo[a]pyrene	-	U
MW3-ROX-010821	PAHs	Benzo[b]fluoranthene	-	U
ROST3MW-ROX-010821	PAHs	Benzo[a]anthracene	-	U
ROST3MW-ROX-010821	PAHs	Benzo[a]pyrene	-	U
MW26-ROX-010821	PAHs	Benzo[a]anthracene	-	U
MW27-ROX-010821	PAHs	Indeno[1,2,3-cd]pyrene	-	U

1.8 Laboratory Control Spike (LCS) Samples

Laboratory control samples were analyzed with each analytical batch to assess the accuracy of the analytical process. LCS recoveries were within evaluation criteria with the exception summarized in the following table.

LCS ID	Parameter	Analyte	LCS Recovery	LCS Criteria
LCS 400-517566/1002	VOCs	1-Chlorohexane	**132**	69-130
LCS 400-517566/1002	VOCs	n-Butylbenzene	**154**	67-130
LCS 400-517566/1002	VOCs	p-Isopropyltoluene	**141**	65-130
LCS 400-517566/1002	VOCs	sec-Butylbenzene	**133**	66-130
LCS 400-517566/1002	VOCs	1,2,4-Trimethylbenzene	**135**	70-130

Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. No qualification of data was required.

Approximately 10% of the laboratory control spike recoveries were recalculated, and the summary forms versus the raw data were verified. No calculation or transcription errors were noted.

1.9 Surrogate Spike Recoveries

Surrogate compounds were used to evaluate the overall laboratory sample preparation efficiency on a per-sample basis. Surrogate recoveries were within the method acceptance criteria for the validated samples with the exceptions summarized in the table below.

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P114-ROX-010821	SVOCs	Terphenyl-d_{14}	**27**	44-149

Qualifications due to surrogate recoveries were not required if either only one of three base/neutral fraction or one of three acid fraction surrogate recoveries were outside evaluation criteria in the associated SVOC samples. No qualification of data was required.

Approximately 10% of the recoveries were recalculated and no calculation or transcription errors were noted.

1.10 Matrix Spike/Matrix Spike Duplicate Samples

MS/MSD samples are analyzed to assess potential matrix effects. Samples MW3-ROX-010821 and P114R-ROX-010821 were spiked and analyzed for SVOCs and PAHs. MS/MSD recoveries were within evaluation criteria with the exceptions summarized in the table below.

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW3-ROX-010821	SVOCs	1,4-Dioxane	**29/26**	14	50-150/40
P114R-ROX-010821	SVOCs	3,3'-Dichlorobenzidine	**0/6**	**NC**	10-120/58
P114R-ROX-010821	SVOCs	1,4-Dioxane	**33/31**	1	50-150/40
P114R-ROX-010821	SVOCs	Pentachlorophenol	121/**135**	14	29-130/42

Analytical data that required qualification based on MS/MSD data are included in the following table. Analytical data reported as non-detect and associated with MS/MSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Sample ID	Parameter	Analyte	Qualification
MW3-ROX-010821	SVOCs	1,4-Dioxane	**UJ**
P114R-ROX-010821	SVOCs	3,3'-Dichlorobenzidine	**UJ**
P114R-ROX-010821	SVOCs	1,4-Dioxane	**UJ**

1.11 Internal Standards

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during each analytical run. Following Method 8270C, the IS areas for the samples and CVs must be within –50% to +100% and retention times must be within 30 seconds of the IS area and retention time of the midpoint of the ICAL.

The IS areas for the CVs and the validated samples in this SDG were within evaluation criteria. No qualification of data was required.

Approximately 10% of the spiking compound recoveries for the LCS were recalculated from the raw data and verified using the LCS summary forms, and no calculation or transcription errors were noted.

1.12 Target Compound Identification and Quantification

For validation of the compound identification, chromatograms were reviewed to verify the major peaks were identified, the spectra of the identified compounds were verified against the library spectra, and the relative retention time was no greater than 0.06 minutes different from the associated CV retention times. A minimum of 10% of the detected target analytes and spiking compounds were verified. No anomalies were noted with the identification of the target compounds in the samples.

For the validation of compound quantitation, 10% of the target analytes were recalculated from the raw data, and no calculation errors were noted. Additionally, the reporting limits (RLs) were verified to determine if RLs were adjusted for dilutions. No qualification of the data was required and review of the data indicated the correct RLs were reported.

1.13 Overall Data Assessment

Based on the criteria outlined, it is recommended that the results reported for these analyses are accepted for their intended use. Acceptable levels of accuracy and precision, based on LCS, MS/MSD, and surrogate data were achieved for this SDG.

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ANALYTICAL REPORT

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-198050-1
Client Project/Site: ROXANA QUARTERLY GW

For:
AECOM Technical Services Inc.
100 N. Broadway
20th Floor
St. Louis, Missouri 63102

Attn: Elizabeth Kunkel

Authorized for release by:
1/25/2021 4:10:12 PM

Leah Klingensmith, Senior Project Manager
(615)301-5038
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Reviewed 2/2/2021 LR

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198050-1

Job ID: 400-198050-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-198050-1

Comments
No additional comments.

Receipt
The samples were received on 1/9/2021 9:14 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.3° C and 0.8° C.

GC/MS VOA
Method 8260B: The continuing calibration verification (CCV) associated with batch 400-517566 recovered above the upper control limit for n-Butylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-517566 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260B: The RPD for the MS/MSD for 2-chloroethyl vinyl ether was not calculable for analytical batch 400-517566 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

Method 8260B: The laboratory control sample (LCS) for analytical batch 400-517566 recovered outside control limits for the following analytes: 1,2,4-Trimethylbenzene, 1-Chlorohexane, n-Butylbenzene, p-Isopropyltoluene and sec-Butylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-010821-8260-A (400-198050-1), MW3-ROX-010821 (400-198050-3), ROST3MW-ROX-010821 (400-198050-4), MW26-ROX-010821 (400-198050-5), TB-ROX-010821-8260-B (400-198050-6), P114R-ROX-010821 (400-198050-8), MW13-ROX-010821 (400-198050-9) and MW27-ROX-010821 (400-198050-10). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 400-517182 recovered above the upper control limit for Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-517023 and analytical batch 400-517182 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: P114R-ROX-010821 (400-198050-8). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-517448 recovered above the upper control limit for Aniline. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270D LL: The continuing calibration verification (CCV) associated with batch 400-517184 recovered above the upper control limit for Fluorene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270D LL: The method blank for preparation batch 400-517023 and 400-517023 contained Dibenz(a,h)anthracene above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Job ID: 400-198050-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

Method 8270D LL: The method blank for preparation batch 400-517023 and analytical batch 400-517184 contained Indeno[1,2,3-cd]pyrene and Benzo[a]anthracene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8270D LL: The method blank for preparation batch 400-517471 and analytical batch 400-517696 contained Indeno[1,2,3-cd]pyrene, Benzo[b]fluoranthene, Benzo[a]anthracene and Benzo[a]pyrene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8011: The continuing calibration verification (CCV) associated with batch 400-517153 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane and 1,2-Dibromoethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8011: The continuing calibration verification (CCV) associated with batch 400-517153 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8011: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-517124 and analytical batch 400-517153 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8011: The continuing calibration verification (CCV) associated with batch 400-517591 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane and 1,2-Dibromoethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198050-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-198050-1	TB-ROX-010821-8260-A	Water	01/08/21 00:00	01/09/21 09:14	
400-198050-2	TB-ROX-010821-8011-A	Water	01/08/21 00:00	01/09/21 09:14	
400-198050-3	MW3-ROX-010821	Water	01/08/21 09:40	01/09/21 09:14	
400-198050-4	ROST3MW-ROX-010821	Water	01/08/21 11:10	01/09/21 09:14	
400-198050-5	MW26-ROX-010821	Water	01/08/21 12:15	01/09/21 09:14	
400-198050-6	TB-ROX-010821-8260-B	Water	01/08/21 00:00	01/09/21 09:14	
400-198050-7	TB-ROX-010821-8011-B	Water	01/08/21 00:00	01/09/21 09:14	
400-198050-8	P114R-ROX-010821	Water	01/08/21 10:30	01/09/21 09:14	
400-198050-9	MW13-ROX-010821	Water	01/08/21 11:30	01/09/21 09:14	
400-198050-10	MW27-ROX-010821	Water	01/08/21 12:50	01/09/21 09:14	

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198050-1

Client Sample ID: TB-ROX-010821-8260-A — Lab Sample ID: 400-198050-1

No Detections.

Client Sample ID: TB-ROX-010821-8011-A — Lab Sample ID: 400-198050-2

No Detections.

Client Sample ID: MW3-ROX-010821 — Lab Sample ID: 400-198050-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	~~0.12~~	J B U	0.21	0.048	ug/L	1		8270D LL	Total/NA
Benzo[a]pyrene	~~0.084~~	J B U	0.21	0.044	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	~~0.058~~	J B U	0.21	0.036	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.091	J	0.21	0.071	ug/L	1		8270D LL	Total/NA
Pyrene	0.052	J	0.21	0.042	ug/L	1		8270D LL	Total/NA

Client Sample ID: ROST3MW-ROX-010821 — Lab Sample ID: 400-198050-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	~~0.097~~	J B U	0.21	0.048	ug/L	1		8270D LL	Total/NA
Benzo[a]pyrene	~~0.079~~	J B U	0.21	0.044	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.080	J	0.21	0.071	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	0.18	J	0.21	0.078	ug/L	1		8270D LL	Total/NA
Pyrene	0.046	J	0.21	0.042	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW26-ROX-010821 — Lab Sample ID: 400-198050-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	~~0.074~~	J B U	0.21	0.048	ug/L	1		8270D LL	Total/NA

Client Sample ID: TB-ROX-010821-8260-B — Lab Sample ID: 400-198050-6

No Detections.

Client Sample ID: TB-ROX-010821-8011-B — Lab Sample ID: 400-198050-7

No Detections.

Client Sample ID: P114R-ROX-010821 — Lab Sample ID: 400-198050-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	1.9		1.0	0.74	ug/L	1		8260B	Total/NA

Client Sample ID: MW13-ROX-010821 — Lab Sample ID: 400-198050-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.84	J	1.0	0.74	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	5.2	J	9.6	4.8	ug/L	1		8270D	Total/NA
Pentachlorophenol	14	J	19	1.3	ug/L	1		8270D	Total/NA

Client Sample ID: MW27-ROX-010821 — Lab Sample ID: 400-198050-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	~~0.053~~	J B U	0.19	0.041	ug/L	1		8270D LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-010821-8260-A
Date Collected: 01/08/21 00:00
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/21 17:00	1
Acrolein	ND		20	10	ug/L			01/15/21 17:00	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/21 17:00	1
Benzene	ND		1.0	0.38	ug/L			01/15/21 17:00	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/21 17:00	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/21 17:00	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/21 17:00	1
Bromoform	ND		5.0	0.71	ug/L			01/15/21 17:00	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/21 17:00	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/21 17:00	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/21 17:00	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/21 17:00	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/21 17:00	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/21 17:00	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/21 17:00	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/21 17:00	1
Chloroform	ND		1.0	0.60	ug/L			01/15/21 17:00	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/15/21 17:00	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/21 17:00	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 17:00	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 17:00	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/21 17:00	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/21 17:00	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/21 17:00	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/21 17:00	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 17:00	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 17:00	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 17:00	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 17:00	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 17:00	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 17:00	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/21 17:00	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/21 17:00	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/21 17:00	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/21 17:00	1
2-Hexanone	ND		25	3.1	ug/L			01/15/21 17:00	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/21 17:00	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/21 17:00	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/21 17:00	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/21 17:00	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/21 17:00	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/21 17:00	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/21 17:00	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/15/21 17:00	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/21 17:00	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/21 17:00	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/21 17:00	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/21 17:00	1
p-Isopropyltoluene	ND	*+	1.0	0.71	ug/L			01/15/21 17:00	1

Client Sample ID: TB-ROX-010821-8260-A
Date Collected: 01/08/21 00:00
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	*+	1.0	0.70	ug/L			01/15/21 17:00	1
Styrene	ND		1.0	1.0	ug/L			01/15/21 17:00	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/21 17:00	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/21 17:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/21 17:00	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/21 17:00	1
Toluene	ND		1.0	0.41	ug/L			01/15/21 17:00	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 17:00	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 17:00	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/21 17:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/21 17:00	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/21 17:00	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/21 17:00	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/21 17:00	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/21 17:00	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/21 17:00	1
1,2,4-Trimethylbenzene	ND	*+	1.0	0.82	ug/L			01/15/21 17:00	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/21 17:00	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/21 17:00	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/21 17:00	1
Xylenes, Total	ND		10	1.6	ug/L			01/15/21 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/15/21 17:00*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/15/21 17:00*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*01/15/21 17:00*	*1*

Client Sample ID: TB-ROX-010821-8011-A
Date Collected: 01/08/21 00:00
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-2
Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/15/21 10:02	01/15/21 23:00	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/15/21 10:02	01/15/21 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*	*p*	*51 - 149*	*01/15/21 10:02*	*01/15/21 23:00*	*1*

Client Sample ID: MW3-ROX-010821
Date Collected: 01/08/21 09:40
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/21 13:50	1
Acrolein	ND		20	10	ug/L			01/15/21 13:50	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/21 13:50	1
Benzene	ND		1.0	0.38	ug/L			01/15/21 13:50	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/21 13:50	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/21 13:50	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/21 13:50	1
Bromoform	ND		5.0	0.71	ug/L			01/15/21 13:50	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/21 13:50	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/21 13:50	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/21 13:50	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/21 13:50	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/21 13:50	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/21 13:50	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/21 13:50	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			01/15/21 13:50	1
Chloroform	ND		1.0	0.60	ug/L			01/15/21 13:50	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/15/21 13:50	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/21 13:50	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 13:50	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 13:50	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/21 13:50	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/21 13:50	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/21 13:50	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/21 13:50	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 13:50	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 13:50	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 13:50	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 13:50	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 13:50	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 13:50	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/21 13:50	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/21 13:50	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/21 13:50	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/21 13:50	1
2-Hexanone	ND		25	3.1	ug/L			01/15/21 13:50	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/21 13:50	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/21 13:50	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/21 13:50	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/21 13:50	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/21 13:50	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/21 13:50	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/21 13:50	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/15/21 13:50	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/21 13:50	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/21 13:50	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/21 13:50	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/21 13:50	1
p-Isopropyltoluene	ND	*+	1.0	0.71	ug/L			01/15/21 13:50	1

Client Sample ID: MW3-ROX-010821
Date Collected: 01/08/21 09:40
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	*+	1.0	0.70	ug/L			01/15/21 13:50	1
Styrene	ND		1.0	1.0	ug/L			01/15/21 13:50	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/21 13:50	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/21 13:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/21 13:50	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/21 13:50	1
Toluene	ND		1.0	0.41	ug/L			01/15/21 13:50	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 13:50	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 13:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/21 13:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/21 13:50	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/21 13:50	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/21 13:50	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/21 13:50	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/21 13:50	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/21 13:50	1
1,2,4-Trimethylbenzene	ND	*+	1.0	0.82	ug/L			01/15/21 13:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/21 13:50	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/21 13:50	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/21 13:50	1
Xylenes, Total	ND		10	1.6	ug/L			01/15/21 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*78 - 118*		*01/15/21 13:50*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*01/15/21 13:50*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/15/21 13:50*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.21	0.034	ug/L		01/14/21 13:41	01/18/21 15:32	1
Acenaphthylene	ND		0.21	0.047	ug/L		01/14/21 13:41	01/18/21 15:32	1
Anthracene	ND		0.21	0.034	ug/L		01/14/21 13:41	01/18/21 15:32	1
Benzo[a]anthracene	~~0.12~~	J B U	0.21	0.048	ug/L		01/14/21 13:41	01/18/21 15:32	1
Benzo[a]pyrene	~~0.084~~	J B U	0.21	0.044	ug/L		01/14/21 13:41	01/18/21 15:32	1
Benzo[b]fluoranthene	~~0.058~~	J B U	0.21	0.036	ug/L		01/14/21 13:41	01/18/21 15:32	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		01/14/21 13:41	01/18/21 15:32	1
Benzo[k]fluoranthene	ND		0.21	0.10	ug/L		01/14/21 13:41	01/18/21 15:32	1
Chrysene	ND		0.21	0.077	ug/L		01/14/21 13:41	01/18/21 15:32	1
Dibenz(a,h)anthracene	ND		0.21	0.052	ug/L		01/14/21 13:41	01/18/21 15:32	1
Fluoranthene	**0.091**	**J**	0.21	0.071	ug/L		01/14/21 13:41	01/18/21 15:32	1
Fluorene	ND		0.21	0.12	ug/L		01/14/21 13:41	01/18/21 15:32	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.045	ug/L		01/14/21 13:41	01/18/21 15:32	1
1-Methylnaphthalene	ND		0.21	0.077	ug/L		01/14/21 13:41	01/18/21 15:32	1
2-Methylnaphthalene	ND		0.21	0.063	ug/L		01/14/21 13:41	01/18/21 15:32	1
Phenanthrene	ND		0.21	0.038	ug/L		01/14/21 13:41	01/18/21 15:32	1
Pyrene	**0.052**	**J**	0.21	0.042	ug/L		01/14/21 13:41	01/18/21 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 122*	*01/14/21 13:41*	*01/18/21 15:32*	*1*
Nitrobenzene-d5	*82*		*19 - 130*	*01/14/21 13:41*	*01/18/21 15:32*	*1*

Client Sample ID: MW3-ROX-010821
Date Collected: 01/08/21 09:40
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	39		33 - 138	01/14/21 13:41	01/18/21 15:32	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	4.0	ug/L		01/11/21 09:10	01/12/21 20:49	1
Benzenethiol	ND		10	1.8	ug/L		01/11/21 09:10	01/12/21 20:49	1
Benzoic acid	ND		31	7.6	ug/L		01/11/21 09:10	01/12/21 20:49	1
Benzyl alcohol	ND		10	2.1	ug/L		01/11/21 09:10	01/12/21 20:49	1
Bis(2-chloroethoxy)methane	ND		10	0.17	ug/L		01/11/21 09:10	01/12/21 20:49	1
Bis(2-chloroethyl)ether	ND		10	2.8	ug/L		01/11/21 09:10	01/12/21 20:49	1
bis (2-chloroisopropyl) ether	ND		10	0.17	ug/L		01/11/21 09:10	01/12/21 20:49	1
Bis(2-ethylhexyl) phthalate	ND		10	5.2	ug/L		01/11/21 09:10	01/12/21 20:49	1
4-Bromophenyl phenyl ether	ND		10	0.21	ug/L		01/11/21 09:10	01/12/21 20:49	1
Butyl benzyl phthalate	ND		10	0.20	ug/L		01/11/21 09:10	01/12/21 20:49	1
4-Chloroaniline	ND		10	3.6	ug/L		01/11/21 09:10	01/12/21 20:49	1
4-Chloro-3-methylphenol	ND		10	4.0	ug/L		01/11/21 09:10	01/12/21 20:49	1
2-Chloronaphthalene	ND		10	0.15	ug/L		01/11/21 09:10	01/12/21 20:49	1
2-Chlorophenol	ND		10	2.3	ug/L		01/11/21 09:10	01/12/21 20:49	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		01/11/21 09:10	01/12/21 20:49	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/11/21 09:10	01/12/21 20:49	1
Dibenzofuran	ND		10	0.18	ug/L		01/11/21 09:10	01/12/21 20:49	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		01/11/21 09:10	01/12/21 20:49	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		01/11/21 09:10	01/12/21 20:49	1
Diethyl phthalate	ND		10	0.25	ug/L		01/11/21 09:10	01/12/21 20:49	1
2,4-Dimethylphenol	ND		10	3.7	ug/L		01/11/21 09:10	01/12/21 20:49	1
Dimethyl phthalate	ND		10	0.18	ug/L		01/11/21 09:10	01/12/21 20:49	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		01/11/21 09:10	01/12/21 20:49	1
4,6-Dinitro-ortho-cresol	ND		10	1.7	ug/L		01/11/21 09:10	01/12/21 20:49	1
2,4-Dinitrophenol	ND		31	3.6	ug/L		01/11/21 09:10	01/12/21 20:49	1
2,4-Dinitrotoluene	ND		10	2.0	ug/L		01/11/21 09:10	01/12/21 20:49	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		01/11/21 09:10	01/12/21 20:49	1
Di-n-octyl phthalate	ND		10	0.18	ug/L		01/11/21 09:10	01/12/21 20:49	1
1,4-Dioxane	ND	F1 UJ	10	1.0	ug/L		01/11/21 09:10	01/12/21 20:49	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/21 09:10	01/12/21 20:49	1
Hexachlorobenzene	ND		10	0.18	ug/L		01/11/21 09:10	01/12/21 20:49	1
Hexachlorocyclopentadiene	ND		21	2.7	ug/L		01/11/21 09:10	01/12/21 20:49	1
Hexachloroethane	ND		10	4.4	ug/L		01/11/21 09:10	01/12/21 20:49	1
Indene	ND		10	1.0	ug/L		01/11/21 09:10	01/12/21 20:49	1
Isophorone	ND		10	0.15	ug/L		01/11/21 09:10	01/12/21 20:49	1
2-Methylphenol	ND		10	1.9	ug/L		01/11/21 09:10	01/12/21 20:49	1
3 & 4 Methylphenol	ND		21	0.41	ug/L		01/11/21 09:10	01/12/21 20:49	1
2-Nitroaniline	ND		10	2.3	ug/L		01/11/21 09:10	01/12/21 20:49	1
3-Nitroaniline	ND		10	1.9	ug/L		01/11/21 09:10	01/12/21 20:49	1
4-Nitroaniline	ND		10	1.6	ug/L		01/11/21 09:10	01/12/21 20:49	1
Nitrobenzene	ND		10	0.14	ug/L		01/11/21 09:10	01/12/21 20:49	1
2-Nitrophenol	ND		10	5.4	ug/L		01/11/21 09:10	01/12/21 20:49	1
4-Nitrophenol	ND		10	2.2	ug/L		01/11/21 09:10	01/12/21 20:49	1
N-Nitrosodimethylamine	ND		10	3.7	ug/L		01/11/21 09:10	01/12/21 20:49	1

Client Sample ID: MW3-ROX-010821

Date Collected: 01/08/21 09:40
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.5	ug/L		01/11/21 09:10	01/12/21 20:49	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		01/11/21 09:10	01/12/21 20:49	1
Pentachlorophenol	ND		21	1.5	ug/L		01/11/21 09:10	01/12/21 20:49	1
Phenol	ND		10	2.7	ug/L		01/11/21 09:10	01/12/21 20:49	1
Pyridine	ND		10	3.4	ug/L		01/11/21 09:10	01/12/21 20:49	1
Quinoline	ND		10	4.7	ug/L		01/11/21 09:10	01/12/21 20:49	1
2,4,5-Trichlorophenol	ND		10	3.9	ug/L		01/11/21 09:10	01/12/21 20:49	1
2,4,6-Trichlorophenol	ND		10	3.7	ug/L		01/11/21 09:10	01/12/21 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*46 - 124*	*01/11/21 09:10*	*01/12/21 20:49*	*1*
2-Fluorophenol	*29*		*13 - 113*	*01/11/21 09:10*	*01/12/21 20:49*	*1*
Nitrobenzene-d5	*57*		*36 - 126*	*01/11/21 09:10*	*01/12/21 20:49*	*1*
Phenol-d5	*47*		*17 - 127*	*01/11/21 09:10*	*01/12/21 20:49*	*1*
Terphenyl-d14	*59*		*44 - 149*	*01/11/21 09:10*	*01/12/21 20:49*	*1*
2,4,6-Tribromophenol	*59*		*26 - 150*	*01/11/21 09:10*	*01/12/21 20:49*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/12/21 08:52	01/12/21 17:55	1
1,2-Dibromoethane	ND	F1	0.021	0.0052	ug/L		01/12/21 08:52	01/12/21 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*	*p*	*51 - 149*	*01/12/21 08:52*	*01/12/21 17:55*	*1*

Client Sample ID: ROST3MW-ROX-010821
Date Collected: 01/08/21 11:10
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/21 17:27	1
Acrolein	ND		20	10	ug/L			01/15/21 17:27	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/21 17:27	1
Benzene	ND		1.0	0.38	ug/L			01/15/21 17:27	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/21 17:27	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/21 17:27	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/21 17:27	1
Bromoform	ND		5.0	0.71	ug/L			01/15/21 17:27	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/21 17:27	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/21 17:27	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/21 17:27	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/21 17:27	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/21 17:27	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/21 17:27	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/21 17:27	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/21 17:27	1
Chloroform	ND		1.0	0.60	ug/L			01/15/21 17:27	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/15/21 17:27	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/21 17:27	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 17:27	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 17:27	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/21 17:27	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/21 17:27	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/21 17:27	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/21 17:27	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 17:27	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 17:27	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 17:27	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 17:27	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 17:27	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 17:27	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/21 17:27	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/21 17:27	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/21 17:27	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/21 17:27	1
2-Hexanone	ND		25	3.1	ug/L			01/15/21 17:27	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/21 17:27	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/21 17:27	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/21 17:27	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/21 17:27	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/21 17:27	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/21 17:27	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/21 17:27	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/15/21 17:27	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/21 17:27	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/21 17:27	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/21 17:27	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/21 17:27	1
p-Isopropyltoluene	ND	*+	1.0	0.71	ug/L			01/15/21 17:27	1

Client Sample ID: ROST3MW-ROX-010821
Date Collected: 01/08/21 11:10
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	*+	1.0	0.70	ug/L			01/15/21 17:27	1
Styrene	ND		1.0	1.0	ug/L			01/15/21 17:27	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/21 17:27	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/21 17:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/21 17:27	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/21 17:27	1
Toluene	ND		1.0	0.41	ug/L			01/15/21 17:27	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 17:27	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 17:27	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/21 17:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/21 17:27	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/21 17:27	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/21 17:27	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/21 17:27	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/21 17:27	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/21 17:27	1
1,2,4-Trimethylbenzene	ND	*+	1.0	0.82	ug/L			01/15/21 17:27	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/21 17:27	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/21 17:27	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/21 17:27	1
Xylenes, Total	ND		10	1.6	ug/L			01/15/21 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*78 - 118*		*01/15/21 17:27*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*01/15/21 17:27*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*01/15/21 17:27*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.21	0.034	ug/L		01/14/21 13:41	01/18/21 15:47	1
Acenaphthylene	ND		0.21	0.047	ug/L		01/14/21 13:41	01/18/21 15:47	1
Anthracene	ND		0.21	0.034	ug/L		01/14/21 13:41	01/18/21 15:47	1
Benzo[a]anthracene	~~0.097~~	J B U	0.21	0.048	ug/L		01/14/21 13:41	01/18/21 15:47	1
Benzo[a]pyrene	~~0.079~~	J B U	0.21	0.044	ug/L		01/14/21 13:41	01/18/21 15:47	1
Benzo[b]fluoranthene	ND		0.21	0.036	ug/L		01/14/21 13:41	01/18/21 15:47	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		01/14/21 13:41	01/18/21 15:47	1
Benzo[k]fluoranthene	ND		0.21	0.10	ug/L		01/14/21 13:41	01/18/21 15:47	1
Chrysene	ND		0.21	0.078	ug/L		01/14/21 13:41	01/18/21 15:47	1
Dibenz(a,h)anthracene	ND		0.21	0.052	ug/L		01/14/21 13:41	01/18/21 15:47	1
Fluoranthene	**0.080**	**J**	0.21	0.071	ug/L		01/14/21 13:41	01/18/21 15:47	1
Fluorene	ND		0.21	0.12	ug/L		01/14/21 13:41	01/18/21 15:47	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.045	ug/L		01/14/21 13:41	01/18/21 15:47	1
1-Methylnaphthalene	**0.18**	**J**	0.21	0.078	ug/L		01/14/21 13:41	01/18/21 15:47	1
2-Methylnaphthalene	ND		0.21	0.063	ug/L		01/14/21 13:41	01/18/21 15:47	1
Phenanthrene	ND		0.21	0.038	ug/L		01/14/21 13:41	01/18/21 15:47	1
Pyrene	**0.046**	**J**	0.21	0.042	ug/L		01/14/21 13:41	01/18/21 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*15 - 122*	*01/14/21 13:41*	*01/18/21 15:47*	*1*
Nitrobenzene-d5	*102*		*19 - 130*	*01/14/21 13:41*	*01/18/21 15:47*	*1*

Client Sample ID: ROST3MW-ROX-010821
Date Collected: 01/08/21 11:10
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-4
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	*116*		*33 - 138*	*01/14/21 13:41*	*01/18/21 15:47*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		11	4.1	ug/L		01/11/21 09:10	01/14/21 13:53	1
Benzenethiol	ND		11	1.8	ug/L		01/11/21 09:10	01/14/21 13:53	1
Benzoic acid	ND		32	7.8	ug/L		01/11/21 09:10	01/14/21 13:53	1
Benzyl alcohol	ND		11	2.1	ug/L		01/11/21 09:10	01/14/21 13:53	1
Bis(2-chloroethoxy)methane	ND		11	0.17	ug/L		01/11/21 09:10	01/14/21 13:53	1
Bis(2-chloroethyl)ether	ND		11	2.9	ug/L		01/11/21 09:10	01/14/21 13:53	1
bis (2-chloroisopropyl) ether	ND		11	0.17	ug/L		01/11/21 09:10	01/14/21 13:53	1
Bis(2-ethylhexyl) phthalate	ND		11	5.4	ug/L		01/11/21 09:10	01/14/21 13:53	1
4-Bromophenyl phenyl ether	ND		11	0.21	ug/L		01/11/21 09:10	01/14/21 13:53	1
Butyl benzyl phthalate	ND		11	0.20	ug/L		01/11/21 09:10	01/14/21 13:53	1
4-Chloroaniline	ND		11	3.6	ug/L		01/11/21 09:10	01/14/21 13:53	1
4-Chloro-3-methylphenol	ND		11	4.1	ug/L		01/11/21 09:10	01/14/21 13:53	1
2-Chloronaphthalene	ND		11	0.15	ug/L		01/11/21 09:10	01/14/21 13:53	1
2-Chlorophenol	ND		11	2.4	ug/L		01/11/21 09:10	01/14/21 13:53	1
4-Chlorophenyl phenyl ether	ND		11	2.1	ug/L		01/11/21 09:10	01/14/21 13:53	1
Dibenz[a,h]acridine	ND		11	1.1	ug/L		01/11/21 09:10	01/14/21 13:53	1
Dibenzofuran	ND		11	0.18	ug/L		01/11/21 09:10	01/14/21 13:53	1
3,3'-Dichlorobenzidine	ND		11	2.8	ug/L		01/11/21 09:10	01/14/21 13:53	1
2,4-Dichlorophenol	ND		11	3.2	ug/L		01/11/21 09:10	01/14/21 13:53	1
Diethyl phthalate	ND		11	0.26	ug/L		01/11/21 09:10	01/14/21 13:53	1
2,4-Dimethylphenol	ND		11	3.8	ug/L		01/11/21 09:10	01/14/21 13:53	1
Dimethyl phthalate	ND		11	0.18	ug/L		01/11/21 09:10	01/14/21 13:53	1
Di-n-butyl phthalate	ND		11	2.9	ug/L		01/11/21 09:10	01/14/21 13:53	1
4,6-Dinitro-ortho-cresol	ND		11	1.7	ug/L		01/11/21 09:10	01/14/21 13:53	1
2,4-Dinitrophenol	ND		32	3.6	ug/L		01/11/21 09:10	01/14/21 13:53	1
2,4-Dinitrotoluene	ND		11	2.0	ug/L		01/11/21 09:10	01/14/21 13:53	1
2,6-Dinitrotoluene	ND		11	2.0	ug/L		01/11/21 09:10	01/14/21 13:53	1
Di-n-octyl phthalate	ND		11	0.18	ug/L		01/11/21 09:10	01/14/21 13:53	1
1,4-Dioxane	ND		11	1.1	ug/L		01/11/21 09:10	01/14/21 13:53	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		11	1.1	ug/L		01/11/21 09:10	01/14/21 13:53	1
Hexachlorobenzene	ND		11	0.18	ug/L		01/11/21 09:10	01/14/21 13:53	1
Hexachlorocyclopentadiene	ND		21	2.8	ug/L		01/11/21 09:10	01/14/21 13:53	1
Hexachloroethane	ND		11	4.5	ug/L		01/11/21 09:10	01/14/21 13:53	1
Indene	ND		11	1.1	ug/L		01/11/21 09:10	01/14/21 13:53	1
Isophorone	ND		11	0.15	ug/L		01/11/21 09:10	01/14/21 13:53	1
2-Methylphenol	ND		11	1.9	ug/L		01/11/21 09:10	01/14/21 13:53	1
3 & 4 Methylphenol	ND		21	0.42	ug/L		01/11/21 09:10	01/14/21 13:53	1
2-Nitroaniline	ND		11	2.4	ug/L		01/11/21 09:10	01/14/21 13:53	1
3-Nitroaniline	ND		11	1.9	ug/L		01/11/21 09:10	01/14/21 13:53	1
4-Nitroaniline	ND		11	1.6	ug/L		01/11/21 09:10	01/14/21 13:53	1
Nitrobenzene	ND		11	0.14	ug/L		01/11/21 09:10	01/14/21 13:53	1
2-Nitrophenol	ND		11	5.6	ug/L		01/11/21 09:10	01/14/21 13:53	1
4-Nitrophenol	ND		11	2.3	ug/L		01/11/21 09:10	01/14/21 13:53	1
N-Nitrosodimethylamine	ND		11	3.8	ug/L		01/11/21 09:10	01/14/21 13:53	1

Client Sample ID: ROST3MW-ROX-010821

Date Collected: 01/08/21 11:10
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		11	3.5	ug/L		01/11/21 09:10	01/14/21 13:53	1
N-Nitrosodiphenylamine	ND		11	0.19	ug/L		01/11/21 09:10	01/14/21 13:53	1
Pentachlorophenol	ND		21	1.5	ug/L		01/11/21 09:10	01/14/21 13:53	1
Phenol	ND		11	2.8	ug/L		01/11/21 09:10	01/14/21 13:53	1
Pyridine	ND		11	3.4	ug/L		01/11/21 09:10	01/14/21 13:53	1
Quinoline	ND		11	4.8	ug/L		01/11/21 09:10	01/14/21 13:53	1
2,4,5-Trichlorophenol	ND		11	4.0	ug/L		01/11/21 09:10	01/14/21 13:53	1
2,4,6-Trichlorophenol	ND		11	3.8	ug/L		01/11/21 09:10	01/14/21 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*46 - 124*	*01/11/21 09:10*	*01/14/21 13:53*	*1*
2-Fluorophenol	*45*		*13 - 113*	*01/11/21 09:10*	*01/14/21 13:53*	*1*
Nitrobenzene-d5	*66*		*36 - 126*	*01/11/21 09:10*	*01/14/21 13:53*	*1*
Phenol-d5	*65*		*17 - 127*	*01/11/21 09:10*	*01/14/21 13:53*	*1*
Terphenyl-d14	*63*		*44 - 149*	*01/11/21 09:10*	*01/14/21 13:53*	*1*
2,4,6-Tribromophenol	*62*		*26 - 150*	*01/11/21 09:10*	*01/14/21 13:53*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0056	ug/L		01/12/21 08:52	01/12/21 19:13	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/12/21 08:52	01/12/21 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*51 - 149*	*01/12/21 08:52*	*01/12/21 19:13*	*1*

Client Sample ID: MW26-ROX-010821
Date Collected: 01/08/21 12:15
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/21 17:54	1
Acrolein	ND		20	10	ug/L			01/15/21 17:54	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/21 17:54	1
Benzene	ND		1.0	0.38	ug/L			01/15/21 17:54	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/21 17:54	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/21 17:54	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/21 17:54	1
Bromoform	ND		5.0	0.71	ug/L			01/15/21 17:54	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/21 17:54	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/21 17:54	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/21 17:54	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/21 17:54	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/21 17:54	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/21 17:54	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/21 17:54	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/21 17:54	1
Chloroform	ND		1.0	0.60	ug/L			01/15/21 17:54	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/15/21 17:54	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/21 17:54	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 17:54	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 17:54	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/21 17:54	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/21 17:54	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/21 17:54	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/21 17:54	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 17:54	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 17:54	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 17:54	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 17:54	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 17:54	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 17:54	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/21 17:54	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/21 17:54	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/21 17:54	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/21 17:54	1
2-Hexanone	ND		25	3.1	ug/L			01/15/21 17:54	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/21 17:54	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/21 17:54	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/21 17:54	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/21 17:54	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/21 17:54	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/21 17:54	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/21 17:54	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/15/21 17:54	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/21 17:54	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/21 17:54	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/21 17:54	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/21 17:54	1
p-Isopropyltoluene	ND	*+	1.0	0.71	ug/L			01/15/21 17:54	1

Client Sample ID: MW26-ROX-010821

Date Collected: 01/08/21 12:15
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	*+	1.0	0.70	ug/L			01/15/21 17:54	1
Styrene	ND		1.0	1.0	ug/L			01/15/21 17:54	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/21 17:54	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/21 17:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/21 17:54	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/21 17:54	1
Toluene	ND		1.0	0.41	ug/L			01/15/21 17:54	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 17:54	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 17:54	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/21 17:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/21 17:54	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/21 17:54	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/21 17:54	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/21 17:54	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/21 17:54	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/21 17:54	1
1,2,4-Trimethylbenzene	ND	*+	1.0	0.82	ug/L			01/15/21 17:54	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/21 17:54	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/21 17:54	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/21 17:54	1
Xylenes, Total	ND		10	1.6	ug/L			01/15/21 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/15/21 17:54*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/15/21 17:54*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*01/15/21 17:54*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.21	0.033	ug/L		01/14/21 13:41	01/18/21 16:03	1
Acenaphthylene	ND		0.21	0.047	ug/L		01/14/21 13:41	01/18/21 16:03	1
Anthracene	ND		0.21	0.033	ug/L		01/14/21 13:41	01/18/21 16:03	1
Benzo[a]anthracene	~~0.074~~	J B	0.21	0.048	ug/L		01/14/21 13:41	01/18/21 16:03	1
Benzo[a]pyrene	ND		0.21	0.044	ug/L		01/14/21 13:41	01/18/21 16:03	1
Benzo[b]fluoranthene	ND		0.21	0.036	ug/L		01/14/21 13:41	01/18/21 16:03	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		01/14/21 13:41	01/18/21 16:03	1
Benzo[k]fluoranthene	ND		0.21	0.10	ug/L		01/14/21 13:41	01/18/21 16:03	1
Chrysene	ND		0.21	0.077	ug/L		01/14/21 13:41	01/18/21 16:03	1
Dibenz(a,h)anthracene	ND		0.21	0.052	ug/L		01/14/21 13:41	01/18/21 16:03	1
Fluoranthene	ND		0.21	0.071	ug/L		01/14/21 13:41	01/18/21 16:03	1
Fluorene	ND		0.21	0.11	ug/L		01/14/21 13:41	01/18/21 16:03	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.045	ug/L		01/14/21 13:41	01/18/21 16:03	1
1-Methylnaphthalene	ND		0.21	0.077	ug/L		01/14/21 13:41	01/18/21 16:03	1
2-Methylnaphthalene	ND		0.21	0.063	ug/L		01/14/21 13:41	01/18/21 16:03	1
Phenanthrene	ND		0.21	0.038	ug/L		01/14/21 13:41	01/18/21 16:03	1
Pyrene	ND		0.21	0.042	ug/L		01/14/21 13:41	01/18/21 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*93*		*15 - 122*	*01/14/21 13:41*	*01/18/21 16:03*	*1*
Nitrobenzene-d5	*96*		*19 - 130*	*01/14/21 13:41*	*01/18/21 16:03*	*1*

Client Sample ID: MW26-ROX-010821

Date Collected: 01/08/21 12:15
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-5

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*71*		*33 - 138*	*01/14/21 13:41*	*01/18/21 16:03*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.9	ug/L		01/11/21 09:10	01/12/21 21:31	1
Benzenethiol	ND		10	1.8	ug/L		01/11/21 09:10	01/12/21 21:31	1
Benzoic acid	ND		31	7.6	ug/L		01/11/21 09:10	01/12/21 21:31	1
Benzyl alcohol	ND		10	2.1	ug/L		01/11/21 09:10	01/12/21 21:31	1
Bis(2-chloroethoxy)methane	ND		10	0.17	ug/L		01/11/21 09:10	01/12/21 21:31	1
Bis(2-chloroethyl)ether	ND		10	2.8	ug/L		01/11/21 09:10	01/12/21 21:31	1
bis (2-chloroisopropyl) ether	ND		10	0.17	ug/L		01/11/21 09:10	01/12/21 21:31	1
Bis(2-ethylhexyl) phthalate	ND		10	5.2	ug/L		01/11/21 09:10	01/12/21 21:31	1
4-Bromophenyl phenyl ether	ND		10	0.21	ug/L		01/11/21 09:10	01/12/21 21:31	1
Butyl benzyl phthalate	ND		10	0.20	ug/L		01/11/21 09:10	01/12/21 21:31	1
4-Chloroaniline	ND		10	3.5	ug/L		01/11/21 09:10	01/12/21 21:31	1
4-Chloro-3-methylphenol	ND		10	3.9	ug/L		01/11/21 09:10	01/12/21 21:31	1
2-Chloronaphthalene	ND		10	0.15	ug/L		01/11/21 09:10	01/12/21 21:31	1
2-Chlorophenol	ND		10	2.3	ug/L		01/11/21 09:10	01/12/21 21:31	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		01/11/21 09:10	01/12/21 21:31	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/11/21 09:10	01/12/21 21:31	1
Dibenzofuran	ND		10	0.18	ug/L		01/11/21 09:10	01/12/21 21:31	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		01/11/21 09:10	01/12/21 21:31	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		01/11/21 09:10	01/12/21 21:31	1
Diethyl phthalate	ND		10	0.25	ug/L		01/11/21 09:10	01/12/21 21:31	1
2,4-Dimethylphenol	ND		10	3.6	ug/L		01/11/21 09:10	01/12/21 21:31	1
Dimethyl phthalate	ND		10	0.18	ug/L		01/11/21 09:10	01/12/21 21:31	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		01/11/21 09:10	01/12/21 21:31	1
4,6-Dinitro-ortho-cresol	ND		10	1.7	ug/L		01/11/21 09:10	01/12/21 21:31	1
2,4-Dinitrophenol	ND		31	3.5	ug/L		01/11/21 09:10	01/12/21 21:31	1
2,4-Dinitrotoluene	ND		10	2.0	ug/L		01/11/21 09:10	01/12/21 21:31	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		01/11/21 09:10	01/12/21 21:31	1
Di-n-octyl phthalate	ND		10	0.18	ug/L		01/11/21 09:10	01/12/21 21:31	1
1,4-Dioxane	ND		10	1.0	ug/L		01/11/21 09:10	01/12/21 21:31	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/11/21 09:10	01/12/21 21:31	1
Hexachlorobenzene	ND		10	0.18	ug/L		01/11/21 09:10	01/12/21 21:31	1
Hexachlorocyclopentadiene	ND		21	2.7	ug/L		01/11/21 09:10	01/12/21 21:31	1
Hexachloroethane	ND		10	4.4	ug/L		01/11/21 09:10	01/12/21 21:31	1
Indene	ND		10	1.0	ug/L		01/11/21 09:10	01/12/21 21:31	1
Isophorone	ND		10	0.15	ug/L		01/11/21 09:10	01/12/21 21:31	1
2-Methylphenol	ND		10	1.9	ug/L		01/11/21 09:10	01/12/21 21:31	1
3 & 4 Methylphenol	ND		21	0.40	ug/L		01/11/21 09:10	01/12/21 21:31	1
2-Nitroaniline	ND		10	2.3	ug/L		01/11/21 09:10	01/12/21 21:31	1
3-Nitroaniline	ND		10	1.9	ug/L		01/11/21 09:10	01/12/21 21:31	1
4-Nitroaniline	ND		10	1.6	ug/L		01/11/21 09:10	01/12/21 21:31	1
Nitrobenzene	ND		10	0.13	ug/L		01/11/21 09:10	01/12/21 21:31	1
2-Nitrophenol	ND		10	5.4	ug/L		01/11/21 09:10	01/12/21 21:31	1
4-Nitrophenol	ND		10	2.2	ug/L		01/11/21 09:10	01/12/21 21:31	1
N-Nitrosodimethylamine	ND		10	3.6	ug/L		01/11/21 09:10	01/12/21 21:31	1

Client Sample ID: MW26-ROX-010821

Date Collected: 01/08/21 12:15
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-5

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.4	ug/L		01/11/21 09:10	01/12/21 21:31	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		01/11/21 09:10	01/12/21 21:31	1
Pentachlorophenol	ND		21	1.5	ug/L		01/11/21 09:10	01/12/21 21:31	1
Phenol	ND		10	2.7	ug/L		01/11/21 09:10	01/12/21 21:31	1
Pyridine	ND		10	3.3	ug/L		01/11/21 09:10	01/12/21 21:31	1
Quinoline	ND		10	4.7	ug/L		01/11/21 09:10	01/12/21 21:31	1
2,4,5-Trichlorophenol	ND		10	3.8	ug/L		01/11/21 09:10	01/12/21 21:31	1
2,4,6-Trichlorophenol	ND		10	3.6	ug/L		01/11/21 09:10	01/12/21 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*46 - 124*	*01/11/21 09:10*	*01/12/21 21:31*	*1*
2-Fluorophenol	*18*		*13 - 113*	*01/11/21 09:10*	*01/12/21 21:31*	*1*
Nitrobenzene-d5	*62*		*36 - 126*	*01/11/21 09:10*	*01/12/21 21:31*	*1*
Phenol-d5	*33*		*17 - 127*	*01/11/21 09:10*	*01/12/21 21:31*	*1*
Terphenyl-d14	*64*		*44 - 149*	*01/11/21 09:10*	*01/12/21 21:31*	*1*
2,4,6-Tribromophenol	*47*		*26 - 150*	*01/11/21 09:10*	*01/12/21 21:31*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/12/21 08:52	01/12/21 19:32	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/12/21 08:52	01/12/21 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*	*p*	*51 - 149*	*01/12/21 08:52*	*01/12/21 19:32*	*1*

Client Sample ID: TB-ROX-010821-8260-B
Date Collected: 01/08/21 00:00
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/21 18:21	1
Acrolein	ND		20	10	ug/L			01/15/21 18:21	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/21 18:21	1
Benzene	ND		1.0	0.38	ug/L			01/15/21 18:21	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/21 18:21	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/21 18:21	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/21 18:21	1
Bromoform	ND		5.0	0.71	ug/L			01/15/21 18:21	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/21 18:21	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/21 18:21	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/21 18:21	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/21 18:21	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/21 18:21	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/21 18:21	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/21 18:21	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/21 18:21	1
Chloroform	ND		1.0	0.60	ug/L			01/15/21 18:21	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/15/21 18:21	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/21 18:21	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 18:21	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 18:21	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/21 18:21	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/21 18:21	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/21 18:21	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/21 18:21	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 18:21	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 18:21	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 18:21	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 18:21	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 18:21	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 18:21	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/21 18:21	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/21 18:21	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/21 18:21	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/21 18:21	1
2-Hexanone	ND		25	3.1	ug/L			01/15/21 18:21	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/21 18:21	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/21 18:21	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/21 18:21	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/21 18:21	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/21 18:21	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/21 18:21	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/21 18:21	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/15/21 18:21	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/21 18:21	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/21 18:21	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/21 18:21	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/21 18:21	1
p-Isopropyltoluene	ND	*+	1.0	0.71	ug/L			01/15/21 18:21	1

Client Sample ID: TB-ROX-010821-8260-B
Date Collected: 01/08/21 00:00
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	*+	1.0	0.70	ug/L			01/15/21 18:21	1
Styrene	ND		1.0	1.0	ug/L			01/15/21 18:21	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/21 18:21	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/21 18:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/21 18:21	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/21 18:21	1
Toluene	ND		1.0	0.41	ug/L			01/15/21 18:21	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 18:21	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 18:21	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/21 18:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/21 18:21	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/21 18:21	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/21 18:21	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/21 18:21	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/21 18:21	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/21 18:21	1
1,2,4-Trimethylbenzene	ND	*+	1.0	0.82	ug/L			01/15/21 18:21	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/21 18:21	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/21 18:21	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/21 18:21	1
Xylenes, Total	ND		10	1.6	ug/L			01/15/21 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*01/15/21 18:21*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*01/15/21 18:21*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*01/15/21 18:21*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198050-1

Client Sample ID: TB-ROX-010821-8011-B
Date Collected: 01/08/21 00:00
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-7
Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.0058	ug/L		01/12/21 08:52	01/12/21 19:52	1
1,2-Dibromoethane	ND		0.021	0.0053	ug/L		01/12/21 08:52	01/12/21 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*	*p*	*51 - 149*	*01/12/21 08:52*	*01/12/21 19:52*	*1*

Client Sample ID: P114R-ROX-010821

Date Collected: 01/08/21 10:30
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-8

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/21 14:17	1
Acrolein	ND		20	10	ug/L			01/15/21 14:17	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/21 14:17	1
Benzene	ND		1.0	0.38	ug/L			01/15/21 14:17	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/21 14:17	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/21 14:17	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/21 14:17	1
Bromoform	ND		5.0	0.71	ug/L			01/15/21 14:17	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/21 14:17	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/21 14:17	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/21 14:17	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/21 14:17	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/21 14:17	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/21 14:17	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/21 14:17	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			01/15/21 14:17	1
Chloroform	ND		1.0	0.60	ug/L			01/15/21 14:17	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/15/21 14:17	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/21 14:17	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 14:17	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 14:17	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/21 14:17	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/21 14:17	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/21 14:17	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/21 14:17	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 14:17	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 14:17	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 14:17	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 14:17	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 14:17	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 14:17	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/21 14:17	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/21 14:17	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/21 14:17	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/21 14:17	1
2-Hexanone	ND		25	3.1	ug/L			01/15/21 14:17	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/21 14:17	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/21 14:17	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/21 14:17	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/21 14:17	1
Methyl tert-butyl ether	**1.9**		1.0	0.74	ug/L			01/15/21 14:17	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/21 14:17	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/21 14:17	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/15/21 14:17	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/21 14:17	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/21 14:17	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/21 14:17	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/21 14:17	1
p-Isopropyltoluene	ND	*+	1.0	0.71	ug/L			01/15/21 14:17	1

Client Sample ID: P114R-ROX-010821

Date Collected: 01/08/21 10:30
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-8

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	*+	1.0	0.70	ug/L			01/15/21 14:17	1
Styrene	ND		1.0	1.0	ug/L			01/15/21 14:17	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/21 14:17	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/21 14:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/21 14:17	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/21 14:17	1
Toluene	ND		1.0	0.41	ug/L			01/15/21 14:17	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 14:17	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 14:17	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/21 14:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/21 14:17	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/21 14:17	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/21 14:17	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/21 14:17	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/21 14:17	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/21 14:17	1
1,2,4-Trimethylbenzene	ND	*+	1.0	0.82	ug/L			01/15/21 14:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/21 14:17	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/21 14:17	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/21 14:17	1
Xylenes, Total	ND		10	1.6	ug/L			01/15/21 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/15/21 14:17*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/15/21 14:17*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*01/15/21 14:17*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.030	ug/L		01/14/21 13:41	01/18/21 16:19	1
Acenaphthylene	ND		0.19	0.043	ug/L		01/14/21 13:41	01/18/21 16:19	1
Anthracene	ND		0.19	0.030	ug/L		01/14/21 13:41	01/18/21 16:19	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		01/14/21 13:41	01/18/21 16:19	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		01/14/21 13:41	01/18/21 16:19	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		01/14/21 13:41	01/18/21 16:19	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/14/21 13:41	01/18/21 16:19	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		01/14/21 13:41	01/18/21 16:19	1
Chrysene	ND		0.19	0.070	ug/L		01/14/21 13:41	01/18/21 16:19	1
Dibenz(a,h)anthracene	ND		0.19	0.047	ug/L		01/14/21 13:41	01/18/21 16:19	1
Fluoranthene	ND		0.19	0.065	ug/L		01/14/21 13:41	01/18/21 16:19	1
Fluorene	ND		0.19	0.10	ug/L		01/14/21 13:41	01/18/21 16:19	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		01/14/21 13:41	01/18/21 16:19	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		01/14/21 13:41	01/18/21 16:19	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		01/14/21 13:41	01/18/21 16:19	1
Phenanthrene	ND		0.19	0.034	ug/L		01/14/21 13:41	01/18/21 16:19	1
Pyrene	ND		0.19	0.038	ug/L		01/14/21 13:41	01/18/21 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*15 - 122*	*01/14/21 13:41*	*01/18/21 16:19*	*1*
Nitrobenzene-d5	*100*		*19 - 130*	*01/14/21 13:41*	*01/18/21 16:19*	*1*

Client Sample ID: P114R-ROX-010821
Date Collected: 01/08/21 10:30
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-8
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	81		33 - 138	01/14/21 13:41	01/18/21 16:19	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.4	3.6	ug/L		01/11/21 09:10	01/12/21 21:52	1
Benzenethiol	ND		9.4	1.6	ug/L		01/11/21 09:10	01/12/21 21:52	1
Benzoic acid	ND		28	6.8	ug/L		01/11/21 09:10	01/12/21 21:52	1
Benzyl alcohol	ND		9.4	1.9	ug/L		01/11/21 09:10	01/12/21 21:52	1
Bis(2-chloroethoxy)methane	ND		9.4	0.15	ug/L		01/11/21 09:10	01/12/21 21:52	1
Bis(2-chloroethyl)ether	ND		9.4	2.5	ug/L		01/11/21 09:10	01/12/21 21:52	1
bis (2-chloroisopropyl) ether	ND		9.4	0.15	ug/L		01/11/21 09:10	01/12/21 21:52	1
Bis(2-ethylhexyl) phthalate	ND		9.4	4.7	ug/L		01/11/21 09:10	01/12/21 21:52	1
4-Bromophenyl phenyl ether	ND		9.4	0.19	ug/L		01/11/21 09:10	01/12/21 21:52	1
Butyl benzyl phthalate	ND		9.4	0.18	ug/L		01/11/21 09:10	01/12/21 21:52	1
4-Chloroaniline	ND		9.4	3.2	ug/L		01/11/21 09:10	01/12/21 21:52	1
4-Chloro-3-methylphenol	ND		9.4	3.6	ug/L		01/11/21 09:10	01/12/21 21:52	1
2-Chloronaphthalene	ND		9.4	0.13	ug/L		01/11/21 09:10	01/12/21 21:52	1
2-Chlorophenol	ND		9.4	2.1	ug/L		01/11/21 09:10	01/12/21 21:52	1
4-Chlorophenyl phenyl ether	ND		9.4	1.9	ug/L		01/11/21 09:10	01/12/21 21:52	1
Dibenz[a,h]acridine	ND		9.4	0.94	ug/L		01/11/21 09:10	01/12/21 21:52	1
Dibenzofuran	ND		9.4	0.16	ug/L		01/11/21 09:10	01/12/21 21:52	1
3,3'-Dichlorobenzidine	ND	F1 UJ	9.4	2.4	ug/L		01/11/21 09:10	01/12/21 21:52	1
2,4-Dichlorophenol	ND		9.4	2.8	ug/L		01/11/21 09:10	01/12/21 21:52	1
Diethyl phthalate	ND		9.4	0.22	ug/L		01/11/21 09:10	01/12/21 21:52	1
2,4-Dimethylphenol	ND		9.4	3.3	ug/L		01/11/21 09:10	01/12/21 21:52	1
Dimethyl phthalate	ND		9.4	0.16	ug/L		01/11/21 09:10	01/12/21 21:52	1
Di-n-butyl phthalate	ND		9.4	2.5	ug/L		01/11/21 09:10	01/12/21 21:52	1
4,6-Dinitro-ortho-cresol	ND		9.4	1.5	ug/L		01/11/21 09:10	01/12/21 21:52	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		01/11/21 09:10	01/12/21 21:52	1
2,4-Dinitrotoluene	ND		9.4	1.8	ug/L		01/11/21 09:10	01/12/21 21:52	1
2,6-Dinitrotoluene	ND		9.4	1.8	ug/L		01/11/21 09:10	01/12/21 21:52	1
Di-n-octyl phthalate	ND		9.4	0.16	ug/L		01/11/21 09:10	01/12/21 21:52	1
1,4-Dioxane	ND	F1 UJ	9.4	0.94	ug/L		01/11/21 09:10	01/12/21 21:52	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.4	0.94	ug/L		01/11/21 09:10	01/12/21 21:52	1
Hexachlorobenzene	ND		9.4	0.16	ug/L		01/11/21 09:10	01/12/21 21:52	1
Hexachlorocyclopentadiene	ND		19	2.4	ug/L		01/11/21 09:10	01/12/21 21:52	1
Hexachloroethane	ND		9.4	3.9	ug/L		01/11/21 09:10	01/12/21 21:52	1
Indene	ND		9.4	0.94	ug/L		01/11/21 09:10	01/12/21 21:52	1
Isophorone	ND		9.4	0.13	ug/L		01/11/21 09:10	01/12/21 21:52	1
2-Methylphenol	ND		9.4	1.7	ug/L		01/11/21 09:10	01/12/21 21:52	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/11/21 09:10	01/12/21 21:52	1
2-Nitroaniline	ND		9.4	2.1	ug/L		01/11/21 09:10	01/12/21 21:52	1
3-Nitroaniline	ND		9.4	1.7	ug/L		01/11/21 09:10	01/12/21 21:52	1
4-Nitroaniline	ND		9.4	1.4	ug/L		01/11/21 09:10	01/12/21 21:52	1
Nitrobenzene	ND		9.4	0.12	ug/L		01/11/21 09:10	01/12/21 21:52	1
2-Nitrophenol	ND		9.4	4.9	ug/L		01/11/21 09:10	01/12/21 21:52	1
4-Nitrophenol	ND		9.4	2.0	ug/L		01/11/21 09:10	01/12/21 21:52	1
N-Nitrosodimethylamine	ND		9.4	3.3	ug/L		01/11/21 09:10	01/12/21 21:52	1

Client Sample ID: P114R-ROX-010821
Date Collected: 01/08/21 10:30
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.4	3.1	ug/L		01/11/21 09:10	01/12/21 21:52	1
N-Nitrosodiphenylamine	ND		9.4	0.17	ug/L		01/11/21 09:10	01/12/21 21:52	1
Pentachlorophenol	ND	F1	19	1.3	ug/L		01/11/21 09:10	01/12/21 21:52	1
Phenol	ND		9.4	2.4	ug/L		01/11/21 09:10	01/12/21 21:52	1
Pyridine	ND		9.4	3.0	ug/L		01/11/21 09:10	01/12/21 21:52	1
Quinoline	ND		9.4	4.2	ug/L		01/11/21 09:10	01/12/21 21:52	1
2,4,5-Trichlorophenol	ND		9.4	3.5	ug/L		01/11/21 09:10	01/12/21 21:52	1
2,4,6-Trichlorophenol	ND		9.4	3.3	ug/L		01/11/21 09:10	01/12/21 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*46 - 124*	*01/11/21 09:10*	*01/12/21 21:52*	*1*
2-Fluorophenol	*49*		*13 - 113*	*01/11/21 09:10*	*01/12/21 21:52*	*1*
Nitrobenzene-d5	*58*		*36 - 126*	*01/11/21 09:10*	*01/12/21 21:52*	*1*
Phenol-d5	*59*		*17 - 127*	*01/11/21 09:10*	*01/12/21 21:52*	*1*
Terphenyl-d14	*27*	*S1-*	*44 - 149*	*01/11/21 09:10*	*01/12/21 21:52*	*1*
2,4,6-Tribromophenol	*70*		*26 - 150*	*01/11/21 09:10*	*01/12/21 21:52*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/15/21 10:02	01/15/21 19:44	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/15/21 10:02	01/15/21 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*	*p*	*51 - 149*	*01/15/21 10:02*	*01/15/21 19:44*	*1*

Client Sample ID: MW13-ROX-010821

Date Collected: 01/08/21 11:30
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-9

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/21 18:48	1
Acrolein	ND		20	10	ug/L			01/15/21 18:48	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/21 18:48	1
Benzene	ND		1.0	0.38	ug/L			01/15/21 18:48	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/21 18:48	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/21 18:48	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/21 18:48	1
Bromoform	ND		5.0	0.71	ug/L			01/15/21 18:48	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/21 18:48	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/21 18:48	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/21 18:48	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/21 18:48	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/21 18:48	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/21 18:48	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/21 18:48	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/21 18:48	1
Chloroform	ND		1.0	0.60	ug/L			01/15/21 18:48	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/15/21 18:48	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/21 18:48	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 18:48	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 18:48	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/21 18:48	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/21 18:48	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/21 18:48	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/21 18:48	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 18:48	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 18:48	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 18:48	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 18:48	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 18:48	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 18:48	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/21 18:48	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/21 18:48	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/21 18:48	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/21 18:48	1
2-Hexanone	ND		25	3.1	ug/L			01/15/21 18:48	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/21 18:48	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/21 18:48	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/21 18:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/21 18:48	1
Methyl tert-butyl ether	0.84	J	1.0	0.74	ug/L			01/15/21 18:48	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/21 18:48	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/21 18:48	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/15/21 18:48	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/21 18:48	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/21 18:48	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/21 18:48	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/21 18:48	1
p-Isopropyltoluene	ND	*+	1.0	0.71	ug/L			01/15/21 18:48	1

Client Sample ID: MW13-ROX-010821

Date Collected: 01/08/21 11:30
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-9

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	*+	1.0	0.70	ug/L			01/15/21 18:48	1
Styrene	ND		1.0	1.0	ug/L			01/15/21 18:48	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/21 18:48	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/21 18:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/21 18:48	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/21 18:48	1
Toluene	ND		1.0	0.41	ug/L			01/15/21 18:48	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 18:48	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 18:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/21 18:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/21 18:48	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/21 18:48	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/21 18:48	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/21 18:48	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/21 18:48	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/21 18:48	1
1,2,4-Trimethylbenzene	ND	*+	1.0	0.82	ug/L			01/15/21 18:48	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/21 18:48	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/21 18:48	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/21 18:48	1
Xylenes, Total	ND		10	1.6	ug/L			01/15/21 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*01/15/21 18:48*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*01/15/21 18:48*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*01/15/21 18:48*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.030	ug/L		01/14/21 13:41	01/18/21 16:34	1
Acenaphthylene	ND		0.19	0.042	ug/L		01/14/21 13:41	01/18/21 16:34	1
Anthracene	ND		0.19	0.030	ug/L		01/14/21 13:41	01/18/21 16:34	1
Benzo[a]anthracene	ND		0.19	0.043	ug/L		01/14/21 13:41	01/18/21 16:34	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		01/14/21 13:41	01/18/21 16:34	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		01/14/21 13:41	01/18/21 16:34	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/14/21 13:41	01/18/21 16:34	1
Benzo[k]fluoranthene	ND		0.19	0.094	ug/L		01/14/21 13:41	01/18/21 16:34	1
Chrysene	ND		0.19	0.070	ug/L		01/14/21 13:41	01/18/21 16:34	1
Dibenz(a,h)anthracene	ND		0.19	0.047	ug/L		01/14/21 13:41	01/18/21 16:34	1
Fluoranthene	ND		0.19	0.064	ug/L		01/14/21 13:41	01/18/21 16:34	1
Fluorene	ND		0.19	0.10	ug/L		01/14/21 13:41	01/18/21 16:34	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		01/14/21 13:41	01/18/21 16:34	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		01/14/21 13:41	01/18/21 16:34	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		01/14/21 13:41	01/18/21 16:34	1
Phenanthrene	ND		0.19	0.034	ug/L		01/14/21 13:41	01/18/21 16:34	1
Pyrene	ND		0.19	0.038	ug/L		01/14/21 13:41	01/18/21 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*15 - 122*	*01/14/21 13:41*	*01/18/21 16:34*	*1*
Nitrobenzene-d5	*106*		*19 - 130*	*01/14/21 13:41*	*01/18/21 16:34*	*1*

Client Sample ID: MW13-ROX-010821
Date Collected: 01/08/21 11:30
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-9
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	49		33 - 138	01/14/21 13:41	01/18/21 16:34	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.6	3.6	ug/L		01/11/21 09:10	01/12/21 22:55	1
Benzenethiol	ND		9.6	1.6	ug/L		01/11/21 09:10	01/12/21 22:55	1
Benzoic acid	ND		29	7.0	ug/L		01/11/21 09:10	01/12/21 22:55	1
Benzyl alcohol	ND		9.6	1.9	ug/L		01/11/21 09:10	01/12/21 22:55	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		01/11/21 09:10	01/12/21 22:55	1
Bis(2-chloroethyl)ether	ND		9.6	2.6	ug/L		01/11/21 09:10	01/12/21 22:55	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		01/11/21 09:10	01/12/21 22:55	1
Bis(2-ethylhexyl) phthalate	5.2	J	9.6	4.8	ug/L		01/11/21 09:10	01/12/21 22:55	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		01/11/21 09:10	01/12/21 22:55	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		01/11/21 09:10	01/12/21 22:55	1
4-Chloroaniline	ND		9.6	3.2	ug/L		01/11/21 09:10	01/12/21 22:55	1
4-Chloro-3-methylphenol	ND		9.6	3.6	ug/L		01/11/21 09:10	01/12/21 22:55	1
2-Chloronaphthalene	ND		9.6	0.13	ug/L		01/11/21 09:10	01/12/21 22:55	1
2-Chlorophenol	ND		9.6	2.1	ug/L		01/11/21 09:10	01/12/21 22:55	1
4-Chlorophenyl phenyl ether	ND		9.6	1.9	ug/L		01/11/21 09:10	01/12/21 22:55	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		01/11/21 09:10	01/12/21 22:55	1
Dibenzofuran	ND		9.6	0.16	ug/L		01/11/21 09:10	01/12/21 22:55	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		01/11/21 09:10	01/12/21 22:55	1
2,4-Dichlorophenol	ND		9.6	2.9	ug/L		01/11/21 09:10	01/12/21 22:55	1
Diethyl phthalate	ND		9.6	0.23	ug/L		01/11/21 09:10	01/12/21 22:55	1
2,4-Dimethylphenol	ND		9.6	3.3	ug/L		01/11/21 09:10	01/12/21 22:55	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		01/11/21 09:10	01/12/21 22:55	1
Di-n-butyl phthalate	ND		9.6	2.6	ug/L		01/11/21 09:10	01/12/21 22:55	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		01/11/21 09:10	01/12/21 22:55	1
2,4-Dinitrophenol	ND		29	3.2	ug/L		01/11/21 09:10	01/12/21 22:55	1
2,4-Dinitrotoluene	ND		9.6	1.8	ug/L		01/11/21 09:10	01/12/21 22:55	1
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		01/11/21 09:10	01/12/21 22:55	1
Di-n-octyl phthalate	ND		9.6	0.16	ug/L		01/11/21 09:10	01/12/21 22:55	1
1,4-Dioxane	ND		9.6	0.96	ug/L		01/11/21 09:10	01/12/21 22:55	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.96	ug/L		01/11/21 09:10	01/12/21 22:55	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		01/11/21 09:10	01/12/21 22:55	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/11/21 09:10	01/12/21 22:55	1
Hexachloroethane	ND		9.6	4.0	ug/L		01/11/21 09:10	01/12/21 22:55	1
Indene	ND		9.6	0.96	ug/L		01/11/21 09:10	01/12/21 22:55	1
Isophorone	ND		9.6	0.13	ug/L		01/11/21 09:10	01/12/21 22:55	1
2-Methylphenol	ND		9.6	1.7	ug/L		01/11/21 09:10	01/12/21 22:55	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/11/21 09:10	01/12/21 22:55	1
2-Nitroaniline	ND		9.6	2.1	ug/L		01/11/21 09:10	01/12/21 22:55	1
3-Nitroaniline	ND		9.6	1.7	ug/L		01/11/21 09:10	01/12/21 22:55	1
4-Nitroaniline	ND		9.6	1.4	ug/L		01/11/21 09:10	01/12/21 22:55	1
Nitrobenzene	ND		9.6	0.12	ug/L		01/11/21 09:10	01/12/21 22:55	1
2-Nitrophenol	ND		9.6	5.0	ug/L		01/11/21 09:10	01/12/21 22:55	1
4-Nitrophenol	ND		9.6	2.0	ug/L		01/11/21 09:10	01/12/21 22:55	1
N-Nitrosodimethylamine	ND		9.6	3.3	ug/L		01/11/21 09:10	01/12/21 22:55	1

Client Sample ID: MW13-ROX-010821
Date Collected: 01/08/21 11:30
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.6	3.2	ug/L		01/11/21 09:10	01/12/21 22:55	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		01/11/21 09:10	01/12/21 22:55	1
Pentachlorophenol	14	J	19	1.3	ug/L		01/11/21 09:10	01/12/21 22:55	1
Phenol	ND		9.6	2.5	ug/L		01/11/21 09:10	01/12/21 22:55	1
Pyridine	ND		9.6	3.1	ug/L		01/11/21 09:10	01/12/21 22:55	1
Quinoline	ND		9.6	4.3	ug/L		01/11/21 09:10	01/12/21 22:55	1
2,4,5-Trichlorophenol	ND		9.6	3.5	ug/L		01/11/21 09:10	01/12/21 22:55	1
2,4,6-Trichlorophenol	ND		9.6	3.3	ug/L		01/11/21 09:10	01/12/21 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*46 - 124*	*01/11/21 09:10*	*01/12/21 22:55*	*1*
2-Fluorophenol	*56*		*13 - 113*	*01/11/21 09:10*	*01/12/21 22:55*	*1*
Nitrobenzene-d5	*67*		*36 - 126*	*01/11/21 09:10*	*01/12/21 22:55*	*1*
Phenol-d5	*69*		*17 - 127*	*01/11/21 09:10*	*01/12/21 22:55*	*1*
Terphenyl-d14	*46*		*44 - 149*	*01/11/21 09:10*	*01/12/21 22:55*	*1*
2,4,6-Tribromophenol	*80*		*26 - 150*	*01/11/21 09:10*	*01/12/21 22:55*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.0058	ug/L		01/12/21 08:52	01/12/21 20:11	1
1,2-Dibromoethane	ND		0.021	0.0053	ug/L		01/12/21 08:52	01/12/21 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*	*p*	*51 - 149*	*01/12/21 08:52*	*01/12/21 20:11*	*1*

Client Sample ID: MW27-ROX-010821
Date Collected: 01/08/21 12:50
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/21 19:15	1
Acrolein	ND		20	10	ug/L			01/15/21 19:15	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/21 19:15	1
Benzene	ND		1.0	0.38	ug/L			01/15/21 19:15	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/21 19:15	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/21 19:15	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/21 19:15	1
Bromoform	ND		5.0	0.71	ug/L			01/15/21 19:15	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/21 19:15	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/21 19:15	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/21 19:15	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/21 19:15	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/21 19:15	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/21 19:15	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/21 19:15	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/21 19:15	1
Chloroform	ND		1.0	0.60	ug/L			01/15/21 19:15	1
1-Chlorohexane	ND	*+	1.0	0.70	ug/L			01/15/21 19:15	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/21 19:15	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 19:15	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 19:15	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/21 19:15	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/21 19:15	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/21 19:15	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/21 19:15	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 19:15	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 19:15	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 19:15	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 19:15	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 19:15	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 19:15	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/21 19:15	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/21 19:15	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/21 19:15	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/21 19:15	1
2-Hexanone	ND		25	3.1	ug/L			01/15/21 19:15	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/21 19:15	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/21 19:15	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/21 19:15	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/21 19:15	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/21 19:15	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/21 19:15	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/21 19:15	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/15/21 19:15	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/21 19:15	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/21 19:15	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/21 19:15	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/21 19:15	1
p-Isopropyltoluene	ND	*+	1.0	0.71	ug/L			01/15/21 19:15	1

Client Sample ID: MW27-ROX-010821
Date Collected: 01/08/21 12:50
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	*+	1.0	0.70	ug/L			01/15/21 19:15	1
Styrene	ND		1.0	1.0	ug/L			01/15/21 19:15	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/21 19:15	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/21 19:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/21 19:15	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/21 19:15	1
Toluene	ND		1.0	0.41	ug/L			01/15/21 19:15	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 19:15	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 19:15	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/21 19:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/21 19:15	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/21 19:15	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/21 19:15	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/21 19:15	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/21 19:15	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/21 19:15	1
1,2,4-Trimethylbenzene	ND	*+	1.0	0.82	ug/L			01/15/21 19:15	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/21 19:15	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/21 19:15	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/21 19:15	1
Xylenes, Total	ND		10	1.6	ug/L			01/15/21 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*01/15/21 19:15*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/15/21 19:15*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*01/15/21 19:15*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.030	ug/L		01/11/21 09:10	01/12/21 23:10	1
Acenaphthylene	ND		0.19	0.043	ug/L		01/11/21 09:10	01/12/21 23:10	1
Anthracene	ND		0.19	0.030	ug/L		01/11/21 09:10	01/12/21 23:10	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		01/11/21 09:10	01/12/21 23:10	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		01/11/21 09:10	01/12/21 23:10	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		01/11/21 09:10	01/12/21 23:10	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/11/21 09:10	01/12/21 23:10	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		01/11/21 09:10	01/12/21 23:10	1
Chrysene	ND		0.19	0.070	ug/L		01/11/21 09:10	01/12/21 23:10	1
Dibenz(a,h)anthracene	ND		0.19	0.047	ug/L		01/11/21 09:10	01/12/21 23:10	1
Fluoranthene	ND		0.19	0.064	ug/L		01/11/21 09:10	01/12/21 23:10	1
Fluorene	ND		0.19	0.10	ug/L		01/11/21 09:10	01/12/21 23:10	1
Indeno[1,2,3-cd]pyrene	~~0.053~~	J B U	0.19	0.041	ug/L		01/11/21 09:10	01/12/21 23:10	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		01/11/21 09:10	01/12/21 23:10	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		01/11/21 09:10	01/12/21 23:10	1
Phenanthrene	ND		0.19	0.034	ug/L		01/11/21 09:10	01/12/21 23:10	1
Pyrene	ND		0.19	0.038	ug/L		01/11/21 09:10	01/12/21 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*15 - 122*	*01/11/21 09:10*	*01/12/21 23:10*	*1*
Nitrobenzene-d5	*83*		*19 - 130*	*01/11/21 09:10*	*01/12/21 23:10*	*1*

Client Sample ID: MW27-ROX-010821
Date Collected: 01/08/21 12:50
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-10
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	94		33 - 138	01/11/21 09:10	01/12/21 23:10	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.5	3.6	ug/L		01/11/21 09:10	01/12/21 23:15	1
Benzenethiol	ND		9.5	1.6	ug/L		01/11/21 09:10	01/12/21 23:15	1
Benzoic acid	ND		28	6.9	ug/L		01/11/21 09:10	01/12/21 23:15	1
Benzyl alcohol	ND		9.5	1.9	ug/L		01/11/21 09:10	01/12/21 23:15	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		01/11/21 09:10	01/12/21 23:15	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		01/11/21 09:10	01/12/21 23:15	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		01/11/21 09:10	01/12/21 23:15	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.7	ug/L		01/11/21 09:10	01/12/21 23:15	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		01/11/21 09:10	01/12/21 23:15	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		01/11/21 09:10	01/12/21 23:15	1
4-Chloroaniline	ND		9.5	3.2	ug/L		01/11/21 09:10	01/12/21 23:15	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		01/11/21 09:10	01/12/21 23:15	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		01/11/21 09:10	01/12/21 23:15	1
2-Chlorophenol	ND		9.5	2.1	ug/L		01/11/21 09:10	01/12/21 23:15	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		01/11/21 09:10	01/12/21 23:15	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		01/11/21 09:10	01/12/21 23:15	1
Dibenzofuran	ND		9.5	0.16	ug/L		01/11/21 09:10	01/12/21 23:15	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		01/11/21 09:10	01/12/21 23:15	1
2,4-Dichlorophenol	ND		9.5	2.8	ug/L		01/11/21 09:10	01/12/21 23:15	1
Diethyl phthalate	ND		9.5	0.23	ug/L		01/11/21 09:10	01/12/21 23:15	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		01/11/21 09:10	01/12/21 23:15	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		01/11/21 09:10	01/12/21 23:15	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		01/11/21 09:10	01/12/21 23:15	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		01/11/21 09:10	01/12/21 23:15	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		01/11/21 09:10	01/12/21 23:15	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		01/11/21 09:10	01/12/21 23:15	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		01/11/21 09:10	01/12/21 23:15	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		01/11/21 09:10	01/12/21 23:15	1
1,4-Dioxane	ND		9.5	0.95	ug/L		01/11/21 09:10	01/12/21 23:15	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		01/11/21 09:10	01/12/21 23:15	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		01/11/21 09:10	01/12/21 23:15	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/11/21 09:10	01/12/21 23:15	1
Hexachloroethane	ND		9.5	4.0	ug/L		01/11/21 09:10	01/12/21 23:15	1
Indene	ND		9.5	0.95	ug/L		01/11/21 09:10	01/12/21 23:15	1
Isophorone	ND		9.5	0.13	ug/L		01/11/21 09:10	01/12/21 23:15	1
2-Methylphenol	ND		9.5	1.7	ug/L		01/11/21 09:10	01/12/21 23:15	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/11/21 09:10	01/12/21 23:15	1
2-Nitroaniline	ND		9.5	2.1	ug/L		01/11/21 09:10	01/12/21 23:15	1
3-Nitroaniline	ND		9.5	1.7	ug/L		01/11/21 09:10	01/12/21 23:15	1
4-Nitroaniline	ND		9.5	1.4	ug/L		01/11/21 09:10	01/12/21 23:15	1
Nitrobenzene	ND		9.5	0.12	ug/L		01/11/21 09:10	01/12/21 23:15	1
2-Nitrophenol	ND		9.5	4.9	ug/L		01/11/21 09:10	01/12/21 23:15	1
4-Nitrophenol	ND		9.5	2.0	ug/L		01/11/21 09:10	01/12/21 23:15	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		01/11/21 09:10	01/12/21 23:15	1

Client Sample ID: MW27-ROX-010821

Date Collected: 01/08/21 12:50
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-10

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.5	3.1	ug/L		01/11/21 09:10	01/12/21 23:15	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		01/11/21 09:10	01/12/21 23:15	1
Pentachlorophenol	ND		19	1.3	ug/L		01/11/21 09:10	01/12/21 23:15	1
Phenol	ND		9.5	2.5	ug/L		01/11/21 09:10	01/12/21 23:15	1
Pyridine	ND		9.5	3.0	ug/L		01/11/21 09:10	01/12/21 23:15	1
Quinoline	ND		9.5	4.3	ug/L		01/11/21 09:10	01/12/21 23:15	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		01/11/21 09:10	01/12/21 23:15	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		01/11/21 09:10	01/12/21 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*46 - 124*	*01/11/21 09:10*	*01/12/21 23:15*	*1*
2-Fluorophenol	*56*		*13 - 113*	*01/11/21 09:10*	*01/12/21 23:15*	*1*
Nitrobenzene-d5	*71*		*36 - 126*	*01/11/21 09:10*	*01/12/21 23:15*	*1*
Phenol-d5	*69*		*17 - 127*	*01/11/21 09:10*	*01/12/21 23:15*	*1*
Terphenyl-d14	*72*		*44 - 149*	*01/11/21 09:10*	*01/12/21 23:15*	*1*
2,4,6-Tribromophenol	*68*		*26 - 150*	*01/11/21 09:10*	*01/12/21 23:15*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/15/21 10:02	01/15/21 21:03	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/15/21 10:02	01/15/21 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*	*p*	*51 - 149*	*01/15/21 10:02*	*01/15/21 21:03*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198050-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-198050-1	TB-ROX-010821-8260-A	99	99	109
400-198050-3	MW3-ROX-010821	102	100	106
400-198050-3 MS	MW3-ROX-010821-MS	93	96	104
400-198050-3 MSD	MW3-ROX-010821-MSD	93	97	105
400-198050-4	ROST3MW-ROX-010821	103	100	108
400-198050-5	MW26-ROX-010821	99	98	108
400-198050-6	TB-ROX-010821-8260-B	97	100	105
400-198050-8	P114R-ROX-010821	99	98	107
400-198050-8 MS	P114R-ROX-010821-MS	97	96	107
400-198050-8 MSD	P114R-ROX-010821-MSD	98	95	108
400-198050-9	MW13-ROX-010821	97	101	105
400-198050-10	MW27-ROX-010821	97	99	107
LCS 400-517566/1002	Lab Control Sample	95	100	100
MB 400-517566/25	Method Blank	98	101	106

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(46-124)	(13-113)	(36-126)	(17-127)	(44-149)	(26-150)
400-198050-3	MW3-ROX-010821	66	29	57	47	59	59
400-198050-3 MS	MW3-ROX-010821-MS	72	34	67	55	60	75
400-198050-3 MSD	MW3-ROX-010821-MSD	64	36	62	49	52	67
400-198050-4	ROST3MW-ROX-010821	77	45	66	65	63	62
400-198050-5	MW26-ROX-010821	74	18	62	33	64	47
400-198050-8	P114R-ROX-010821	65	49	58	59	27 S1-	70
400-198050-8 MS	P114R-ROX-010821-MS	73	48	71	69	59	89
400-198050-8 MSD	P114R-ROX-010821-MSD	80	51	78	72	62	95
400-198050-9	MW13-ROX-010821	76	56	67	69	46	80
400-198050-10	MW27-ROX-010821	82	56	71	69	72	68
LCS 400-517023/2-A	Lab Control Sample	87	62	72	75	77	86
LCS 400-517023/3-A	Lab Control Sample	95	62	75	70	86	73
LCSD 400-517023/24-A	Lab Control Sample Dup	90	52	81	76	83	88
LCSD 400-517023/4-A	Lab Control Sample Dup	97	56	78	75	89	72
MB 400-517023/1-A	Method Blank	95	56	77	78	87	73

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198050-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(15-122)	(19-130)	(33-138)
400-198050-3	MW3-ROX-010821	79	82	39
400-198050-3 MS	MW3-ROX-010821-MS	89	66	89
400-198050-3 MSD	MW3-ROX-010821-MSD	77	76	76
400-198050-4	ROST3MW-ROX-010821	94	102	116
400-198050-5	MW26-ROX-010821	93	96	71
400-198050-8	P114R-ROX-010821	88	100	81
400-198050-8 MS	P114R-ROX-010821-MS	85	64	87
400-198050-8 MSD	P114R-ROX-010821-MSD	90	84	75
400-198050-9	MW13-ROX-010821	92	106	49
400-198050-10	MW27-ROX-010821	85	83	94
LCS 400-517023/2-A	Lab Control Sample	90	85	94
LCS 400-517471/2-A	Lab Control Sample	82	105	88
LCSD 400-517023/24-A	Lab Control Sample Dup	89	84	91
LCSD 400-517471/3-A	Lab Control Sample Dup	90	105	94
MB 400-517023/1-A	Method Blank	65	62	75
MB 400-517471/1-A	Method Blank	91	103	117

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB2
Lab Sample ID	Client Sample ID	(51-149)
400-198050-2	TB-ROX-010821-8011-A	113 p
400-198050-3	MW3-ROX-010821	97 p
400-198050-3 MS	MW3-ROX-010821-MS	105 p
400-198050-3 MSD	MW3-ROX-010821-MSD	103 p
400-198050-4	ROST3MW-ROX-010821	103
400-198050-5	MW26-ROX-010821	98 p
400-198050-7	TB-ROX-010821-8011-B	106 p
400-198050-8	P114R-ROX-010821	86 p
400-198050-8 MS	P114R-ROX-010821-MS	105 p
400-198050-8 MSD	P114R-ROX-010821-MSD	92 p
400-198050-9	MW13-ROX-010821	100 p
400-198050-10	MW27-ROX-010821	97 p
LCS 400-517124/2-A	Lab Control Sample	98
LCS 400-517551/2-A	Lab Control Sample	102
LCSD 400-517124/3-A	Lab Control Sample Dup	99
LCSD 400-517551/3-A	Lab Control Sample Dup	103
MB 400-517124/1-A	Method Blank	94
MB 400-517551/1-A	Method Blank	93

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198050-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL PEN
5030B	Purge and Trap	SW846	TAL PEN
8011	Microextraction	SW846	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198050-1

Client Sample ID: TB-ROX-010821-8260-A

Lab Sample ID: 400-198050-1

Date Collected: 01/08/21 00:00
Date Received: 01/09/21 09:14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 17:00	CAR	TAL PEN

Client Sample ID: TB-ROX-010821-8011-A

Lab Sample ID: 400-198050-2

Date Collected: 01/08/21 00:00
Date Received: 01/09/21 09:14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.7 mL	35 mL	517551	01/15/21 10:02	DS	TAL PEN
Total/NA	Analysis	8011		1			517591	01/15/21 23:00	DS	TAL PEN

Client Sample ID: MW3-ROX-010821

Lab Sample ID: 400-198050-3

Date Collected: 01/08/21 09:40
Date Received: 01/09/21 09:14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 13:50	CAR	TAL PEN
Total/NA	Prep	3520C			238.8 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 20:49	S1B	TAL PEN
Total/NA	Prep	3520C			238.8 mL	1 mL	517471	01/14/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517696	01/18/21 15:32	PP1	TAL PEN
Total/NA	Prep	8011			33.7 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 17:55	DS	TAL PEN

Client Sample ID: ROST3MW-ROX-010821

Lab Sample ID: 400-198050-4

Date Collected: 01/08/21 11:10
Date Received: 01/09/21 09:14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 17:27	CAR	TAL PEN
Total/NA	Prep	3520C			233.2 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 13:53	S1B	TAL PEN
Total/NA	Prep	3520C			238.6 mL	1 mL	517471	01/14/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517696	01/18/21 15:47	PP1	TAL PEN
Total/NA	Prep	8011			34.6 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 19:13	DS	TAL PEN

Client Sample ID: MW26-ROX-010821

Lab Sample ID: 400-198050-5

Date Collected: 01/08/21 12:15
Date Received: 01/09/21 09:14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 17:54	CAR	TAL PEN
Total/NA	Prep	3520C			240.8 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 21:31	S1B	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198050-1

Client Sample ID: MW26-ROX-010821

Lab Sample ID: 400-198050-5

Date Collected: 01/08/21 12:15
Matrix: Water
Date Received: 01/09/21 09:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			239.2 mL	1 mL	517471	01/14/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517696	01/18/21 16:03	PP1	TAL PEN
Total/NA	Prep	8011			33.9 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 19:32	DS	TAL PEN

Client Sample ID: TB-ROX-010821-8260-B

Lab Sample ID: 400-198050-6

Date Collected: 01/08/21 00:00
Matrix: Water
Date Received: 01/09/21 09:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 18:21	CAR	TAL PEN

Client Sample ID: TB-ROX-010821-8011-B

Lab Sample ID: 400-198050-7

Date Collected: 01/08/21 00:00
Matrix: Water
Date Received: 01/09/21 09:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.1 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 19:52	DS	TAL PEN

Client Sample ID: P114R-ROX-010821

Lab Sample ID: 400-198050-8

Date Collected: 01/08/21 10:30
Matrix: Water
Date Received: 01/09/21 09:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 14:17	CAR	TAL PEN
Total/NA	Prep	3520C			267 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 21:52	S1B	TAL PEN
Total/NA	Prep	3520C			263.2 mL	1 mL	517471	01/14/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517696	01/18/21 16:19	PP1	TAL PEN
Total/NA	Prep	8011			33.7 mL	35 mL	517551	01/15/21 10:02	DS	TAL PEN
Total/NA	Analysis	8011		1			517591	01/15/21 19:44	DS	TAL PEN

Client Sample ID: MW13-ROX-010821

Lab Sample ID: 400-198050-9

Date Collected: 01/08/21 11:30
Matrix: Water
Date Received: 01/09/21 09:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 18:48	CAR	TAL PEN
Total/NA	Prep	3520C			261.6 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 22:55	S1B	TAL PEN
Total/NA	Prep	3520C			265 mL	1 mL	517471	01/14/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517696	01/18/21 16:34	PP1	TAL PEN
Total/NA	Prep	8011			33.1 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 20:11	DS	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198050-1

Client Sample ID: MW27-ROX-010821

Lab Sample ID: 400-198050-10

Date Collected: 01/08/21 12:50
Date Received: 01/09/21 09:14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 19:15	CAR	TAL PEN
Total/NA	Prep	3520C			263.8 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 23:15	S1B	TAL PEN
Total/NA	Prep	3520C			263.8 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517184	01/12/21 23:10	PP1	TAL PEN
Total/NA	Prep	8011			35.1 mL	35 mL	517551	01/15/21 10:02	DS	TAL PEN
Total/NA	Analysis	8011		1			517591	01/15/21 21:03	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517023/1-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 18:22	S1B	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517184	01/12/21 20:50	PP1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517124/1-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 12:03	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517471/1-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517471	01/14/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517696	01/18/21 14:45	PP1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517551/1-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517551	01/15/21 10:02	DS	TAL PEN
Total/NA	Analysis	8011		1			517591	01/15/21 13:50	DS	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-517566/25
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 13:23	CAR	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-517023/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1	0.4 mL	1.0 mL	517182	01/12/21 19:25	S1B	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			517184	01/12/21 21:06	PP1	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-517023/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 18:43	S1B	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-517124/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 12:22	DS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-517471/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517471	01/14/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		5			517696	01/18/21 15:01	PP1	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-517551/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517551	01/15/21 10:02	DS	TAL PEN
Total/NA	Analysis	8011		1			517591	01/15/21 14:09	DS	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-517566/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 12:23	CAR	TAL PEN

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-517023/24-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:25	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 19:46	S1B	TAL PEN
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:25	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			517184	01/12/21 21:21	PP1	TAL PEN

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-517023/4-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 19:04	S1B	TAL PEN

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-517124/3-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 12:42	DS	TAL PEN

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-517471/3-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517471	01/14/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		5			517696	01/18/21 15:16	PP1	TAL PEN

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-517551/3-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517551	01/15/21 10:02	DS	TAL PEN
Total/NA	Analysis	8011		1			517591	01/15/21 14:29	DS	TAL PEN

Client Sample ID: MW3-ROX-010821-MS

Date Collected: 01/08/21 09:40
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-3 MS

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 14:44	CAR	TAL PEN
Total/NA	Prep	3520C			236.8 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 20:07	S1B	TAL PEN
Total/NA	Prep	3520C			236.8 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			517184	01/12/21 21:37	PP1	TAL PEN
Total/NA	Prep	8011			34.7 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 18:14	DS	TAL PEN

Client Sample ID: MW3-ROX-010821-MSD

Date Collected: 01/08/21 09:40
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-3 MSD

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 15:11	CAR	TAL PEN
Total/NA	Prep	3520C			240.8 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 20:28	S1B	TAL PEN
Total/NA	Prep	3520C			240.8 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			517184	01/12/21 21:53	PP1	TAL PEN
Total/NA	Prep	8011			34.1 mL	35 mL	517124	01/12/21 08:52	DS	TAL PEN
Total/NA	Analysis	8011		1			517153	01/12/21 18:34	DS	TAL PEN

Client Sample ID: P114R-ROX-010821-MS

Date Collected: 01/08/21 10:30
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-8 MS

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 15:38	CAR	TAL PEN
Total/NA	Prep	3520C			265.4 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 22:13	S1B	TAL PEN
Total/NA	Prep	3520C			265.4 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			517312	01/13/21 17:21	PP1	TAL PEN
Total/NA	Prep	8011			34.4 mL	35 mL	517551	01/15/21 10:02	DS	TAL PEN
Total/NA	Analysis	8011		1			517591	01/15/21 20:04	DS	TAL PEN

Client Sample ID: P114R-ROX-010821-MSD

Date Collected: 01/08/21 10:30
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-8 MSD

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517566	01/15/21 16:05	CAR	TAL PEN
Total/NA	Prep	3520C			257.4 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517182	01/12/21 22:34	S1B	TAL PEN
Total/NA	Prep	3520C			257.4 mL	1 mL	517023	01/11/21 09:10	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			517312	01/13/21 17:37	PP1	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198050-1

Client Sample ID: P114R-ROX-010821-MSD

Date Collected: 01/08/21 10:30
Date Received: 01/09/21 09:14

Lab Sample ID: 400-198050-8 MSD

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.4 mL	35 mL	517551	01/15/21 10:02	DS	TAL PEN
Total/NA	Analysis	8011		1			517591	01/15/21 20:23	DS	TAL PEN

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 517566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198050-1	TB-ROX-010821-8260-A	Total/NA	Water	8260B	
400-198050-3	MW3-ROX-010821	Total/NA	Water	8260B	
400-198050-4	ROST3MW-ROX-010821	Total/NA	Water	8260B	
400-198050-5	MW26-ROX-010821	Total/NA	Water	8260B	
400-198050-6	TB-ROX-010821-8260-B	Total/NA	Water	8260B	
400-198050-8	P114R-ROX-010821	Total/NA	Water	8260B	
400-198050-9	MW13-ROX-010821	Total/NA	Water	8260B	
400-198050-10	MW27-ROX-010821	Total/NA	Water	8260B	
MB 400-517566/25	Method Blank	Total/NA	Water	8260B	
LCS 400-517566/1002	Lab Control Sample	Total/NA	Water	8260B	
400-198050-3 MS	MW3-ROX-010821-MS	Total/NA	Water	8260B	
400-198050-3 MSD	MW3-ROX-010821-MSD	Total/NA	Water	8260B	
400-198050-8 MS	P114R-ROX-010821-MS	Total/NA	Water	8260B	
400-198050-8 MSD	P114R-ROX-010821-MSD	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 517023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198050-3	MW3-ROX-010821	Total/NA	Water	3520C	
400-198050-4	ROST3MW-ROX-010821	Total/NA	Water	3520C	
400-198050-5	MW26-ROX-010821	Total/NA	Water	3520C	
400-198050-8	P114R-ROX-010821	Total/NA	Water	3520C	
400-198050-9	MW13-ROX-010821	Total/NA	Water	3520C	
400-198050-10	MW27-ROX-010821	Total/NA	Water	3520C	
MB 400-517023/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-517023/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-517023/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-517023/24-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-517023/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	
400-198050-3 MS	MW3-ROX-010821-MS	Total/NA	Water	3520C	
400-198050-3 MSD	MW3-ROX-010821-MSD	Total/NA	Water	3520C	
400-198050-8 MS	P114R-ROX-010821-MS	Total/NA	Water	3520C	
400-198050-8 MSD	P114R-ROX-010821-MSD	Total/NA	Water	3520C	

Analysis Batch: 517182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198050-3	MW3-ROX-010821	Total/NA	Water	8270D	517023
400-198050-5	MW26-ROX-010821	Total/NA	Water	8270D	517023
400-198050-8	P114R-ROX-010821	Total/NA	Water	8270D	517023
400-198050-9	MW13-ROX-010821	Total/NA	Water	8270D	517023
400-198050-10	MW27-ROX-010821	Total/NA	Water	8270D	517023
MB 400-517023/1-A	Method Blank	Total/NA	Water	8270D	517023
LCS 400-517023/2-A	Lab Control Sample	Total/NA	Water	8270D	517023
LCS 400-517023/3-A	Lab Control Sample	Total/NA	Water	8270D	517023
LCSD 400-517023/24-A	Lab Control Sample Dup	Total/NA	Water	8270D	517023
LCSD 400-517023/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	517023
400-198050-3 MS	MW3-ROX-010821-MS	Total/NA	Water	8270D	517023
400-198050-3 MSD	MW3-ROX-010821-MSD	Total/NA	Water	8270D	517023
400-198050-8 MS	P114R-ROX-010821-MS	Total/NA	Water	8270D	517023
400-198050-8 MSD	P114R-ROX-010821-MSD	Total/NA	Water	8270D	517023

GC/MS Semi VOA

Analysis Batch: 517184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198050-10	MW27-ROX-010821	Total/NA	Water	8270D LL	517023
MB 400-517023/1-A	Method Blank	Total/NA	Water	8270D LL	517023
LCS 400-517023/2-A	Lab Control Sample	Total/NA	Water	8270D LL	517023
LCSD 400-517023/24-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	517023
400-198050-3 MS	MW3-ROX-010821-MS	Total/NA	Water	8270D LL	517023
400-198050-3 MSD	MW3-ROX-010821-MSD	Total/NA	Water	8270D LL	517023

Analysis Batch: 517312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198050-8 MS	P114R-ROX-010821-MS	Total/NA	Water	8270D LL	517023
400-198050-8 MSD	P114R-ROX-010821-MSD	Total/NA	Water	8270D LL	517023

Analysis Batch: 517448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198050-4	ROST3MW-ROX-010821	Total/NA	Water	8270D	517023

Prep Batch: 517471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198050-3	MW3-ROX-010821	Total/NA	Water	3520C	
400-198050-4	ROST3MW-ROX-010821	Total/NA	Water	3520C	
400-198050-5	MW26-ROX-010821	Total/NA	Water	3520C	
400-198050-8	P114R-ROX-010821	Total/NA	Water	3520C	
400-198050-9	MW13-ROX-010821	Total/NA	Water	3520C	
MB 400-517471/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-517471/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-517471/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 517696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198050-3	MW3-ROX-010821	Total/NA	Water	8270D LL	517471
400-198050-4	ROST3MW-ROX-010821	Total/NA	Water	8270D LL	517471
400-198050-5	MW26-ROX-010821	Total/NA	Water	8270D LL	517471
400-198050-8	P114R-ROX-010821	Total/NA	Water	8270D LL	517471
400-198050-9	MW13-ROX-010821	Total/NA	Water	8270D LL	517471
MB 400-517471/1-A	Method Blank	Total/NA	Water	8270D LL	517471
LCS 400-517471/2-A	Lab Control Sample	Total/NA	Water	8270D LL	517471
LCSD 400-517471/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	517471

GC Semi VOA

Prep Batch: 517124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198050-3	MW3-ROX-010821	Total/NA	Water	8011	
400-198050-4	ROST3MW-ROX-010821	Total/NA	Water	8011	
400-198050-5	MW26-ROX-010821	Total/NA	Water	8011	
400-198050-7	TB-ROX-010821-8011-B	Total/NA	Water	8011	
400-198050-9	MW13-ROX-010821	Total/NA	Water	8011	
MB 400-517124/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-517124/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-517124/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
400-198050-3 MS	MW3-ROX-010821-MS	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 517124 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198050-3 MSD	MW3-ROX-010821-MSD	Total/NA	Water	8011	

Analysis Batch: 517153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198050-3	MW3-ROX-010821	Total/NA	Water	8011	517124
400-198050-4	ROST3MW-ROX-010821	Total/NA	Water	8011	517124
400-198050-5	MW26-ROX-010821	Total/NA	Water	8011	517124
400-198050-7	TB-ROX-010821-8011-B	Total/NA	Water	8011	517124
400-198050-9	MW13-ROX-010821	Total/NA	Water	8011	517124
MB 400-517124/1-A	Method Blank	Total/NA	Water	8011	517124
LCS 400-517124/2-A	Lab Control Sample	Total/NA	Water	8011	517124
LCSD 400-517124/3-A	Lab Control Sample Dup	Total/NA	Water	8011	517124
400-198050-3 MS	MW3-ROX-010821-MS	Total/NA	Water	8011	517124
400-198050-3 MSD	MW3-ROX-010821-MSD	Total/NA	Water	8011	517124

Prep Batch: 517551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198050-2	TB-ROX-010821-8011-A	Total/NA	Water	8011	
400-198050-8	P114R-ROX-010821	Total/NA	Water	8011	
400-198050-10	MW27-ROX-010821	Total/NA	Water	8011	
MB 400-517551/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-517551/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-517551/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
400-198050-8 MS	P114R-ROX-010821-MS	Total/NA	Water	8011	
400-198050-8 MSD	P114R-ROX-010821-MSD	Total/NA	Water	8011	

Analysis Batch: 517591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198050-2	TB-ROX-010821-8011-A	Total/NA	Water	8011	517551
400-198050-8	P114R-ROX-010821	Total/NA	Water	8011	517551
400-198050-10	MW27-ROX-010821	Total/NA	Water	8011	517551
MB 400-517551/1-A	Method Blank	Total/NA	Water	8011	517551
LCS 400-517551/2-A	Lab Control Sample	Total/NA	Water	8011	517551
LCSD 400-517551/3-A	Lab Control Sample Dup	Total/NA	Water	8011	517551
400-198050-8 MS	P114R-ROX-010821-MS	Total/NA	Water	8011	517551
400-198050-8 MSD	P114R-ROX-010821-MSD	Total/NA	Water	8011	517551

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-517566/25
Matrix: Water
Analysis Batch: 517566

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/15/21 13:23	1
Acrolein	ND		20	10	ug/L			01/15/21 13:23	1
Acrylonitrile	ND		10	2.8	ug/L			01/15/21 13:23	1
Benzene	ND		1.0	0.38	ug/L			01/15/21 13:23	1
Bromobenzene	ND		1.0	0.54	ug/L			01/15/21 13:23	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/15/21 13:23	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Bromoform	ND		5.0	0.71	ug/L			01/15/21 13:23	1
Bromomethane	ND		1.0	0.98	ug/L			01/15/21 13:23	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/15/21 13:23	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Chloroethane	ND		1.0	0.76	ug/L			01/15/21 13:23	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/15/21 13:23	1
Chloroform	ND		1.0	0.60	ug/L			01/15/21 13:23	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/15/21 13:23	1
Chloromethane	ND		1.0	0.83	ug/L			01/15/21 13:23	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 13:23	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 13:23	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/15/21 13:23	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/15/21 13:23	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/15/21 13:23	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/15/21 13:23	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 13:23	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/15/21 13:23	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/15/21 13:23	1
2-Hexanone	ND		25	3.1	ug/L			01/15/21 13:23	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/15/21 13:23	1
Methylene bromide	ND		5.0	0.59	ug/L			01/15/21 13:23	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/15/21 13:23	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/15/21 13:23	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/15/21 13:23	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/15/21 13:23	1
Naphthalene	ND		1.0	1.0	ug/L			01/15/21 13:23	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/15/21 13:23	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/15/21 13:23	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/15/21 13:23	1
o-Xylene	ND		5.0	0.60	ug/L			01/15/21 13:23	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/15/21 13:23	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517566/25
Matrix: Water
Analysis Batch: 517566

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/15/21 13:23	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/15/21 13:23	1
Styrene	ND		1.0	1.0	ug/L			01/15/21 13:23	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/15/21 13:23	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/15/21 13:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/15/21 13:23	1
Toluene	ND		1.0	0.41	ug/L			01/15/21 13:23	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/15/21 13:23	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/15/21 13:23	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/15/21 13:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/15/21 13:23	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/15/21 13:23	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/15/21 13:23	1
Trichloroethene	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/15/21 13:23	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/15/21 13:23	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/15/21 13:23	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/15/21 13:23	1
Vinyl acetate	ND		25	2.0	ug/L			01/15/21 13:23	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/15/21 13:23	1
Xylenes, Total	ND		10	1.6	ug/L			01/15/21 13:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/15/21 13:23*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*01/15/21 13:23*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/15/21 13:23*	*1*

Lab Sample ID: LCS 400-517566/1002
Matrix: Water
Analysis Batch: 517566

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	179		ug/L		90	43 - 160
Acrolein	500	556		ug/L		111	38 - 160
Acrylonitrile	500	476		ug/L		95	64 - 142
Benzene	50.0	53.3		ug/L		107	70 - 130
Bromobenzene	50.0	56.7		ug/L		113	70 - 132
Bromochloromethane	50.0	53.1		ug/L		106	70 - 130
Bromodichloromethane	50.0	48.3		ug/L		97	67 - 133
Bromoform	50.0	46.1		ug/L		92	57 - 140
Bromomethane	50.0	50.1		ug/L		100	10 - 160
2-Butanone (MEK)	200	162		ug/L		81	61 - 145
Carbon disulfide	50.0	52.2		ug/L		104	61 - 137
Carbon tetrachloride	50.0	48.5		ug/L		97	61 - 137
Chlorobenzene	50.0	57.1		ug/L		114	70 - 130
Dibromochloromethane	50.0	49.1		ug/L		98	67 - 135
Chloroethane	50.0	58.5		ug/L		117	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517566/1002
Matrix: Water
Analysis Batch: 517566

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	50.0	28.4		ug/L		57	10 - 160
Chloroform	50.0	49.9		ug/L		100	69 - 130
1-Chlorohexane	50.0	66.1	*+	ug/L		132	69 - 130
Chloromethane	50.0	59.2		ug/L		118	58 - 137
cis-1,2-Dichloroethene	50.0	54.0		ug/L		108	68 - 130
cis-1,3-Dichloropropene	50.0	49.7		ug/L		99	69 - 132
1,2-Dichlorobenzene	50.0	57.4		ug/L		115	67 - 130
1,3-Dichlorobenzene	50.0	60.9		ug/L		122	70 - 130
1,4-Dichlorobenzene	50.0	57.3		ug/L		115	70 - 130
Dichlorodifluoromethane	50.0	56.2		ug/L		112	41 - 146
1,1-Dichloroethane	50.0	54.5		ug/L		109	70 - 130
1,2-Dichloroethane	50.0	48.5		ug/L		97	69 - 130
1,1-Dichloroethene	50.0	49.2		ug/L		98	63 - 134
1,2-Dichloropropane	50.0	54.2		ug/L		108	70 - 130
1,3-Dichloropropane	50.0	50.2		ug/L		100	70 - 130
2,2-Dichloropropane	50.0	51.4		ug/L		103	52 - 135
1,1-Dichloropropene	50.0	53.7		ug/L		107	70 - 130
Ethylbenzene	50.0	59.1		ug/L		118	70 - 130
Ethyl methacrylate	50.0	47.2		ug/L		94	68 - 130
Hexachlorobutadiene	50.0	65.6		ug/L		131	53 - 140
2-Hexanone	200	205		ug/L		103	65 - 137
Isopropylbenzene	50.0	61.9		ug/L		124	70 - 130
Methylene bromide	50.0	46.8		ug/L		94	70 - 130
Methylene Chloride	50.0	52.0		ug/L		104	66 - 135
4-Methyl-2-pentanone (MIBK)	200	193		ug/L		97	69 - 138
Methyl tert-butyl ether	50.0	45.6		ug/L		91	66 - 130
m-Xylene & p-Xylene	50.0	58.5		ug/L		117	70 - 130
Naphthalene	50.0	47.6		ug/L		95	47 - 149
n-Butylbenzene	50.0	77.1	*+	ug/L		154	67 - 130
N-Propylbenzene	50.0	64.8		ug/L		130	70 - 130
o-Chlorotoluene	50.0	61.4		ug/L		123	70 - 130
o-Xylene	50.0	59.7		ug/L		119	70 - 130
p-Chlorotoluene	50.0	61.1		ug/L		122	70 - 130
p-Isopropyltoluene	50.0	70.5	*+	ug/L		141	65 - 130
sec-Butylbenzene	50.0	66.7	*+	ug/L		133	66 - 130
Styrene	50.0	57.2		ug/L		114	70 - 130
tert-Butylbenzene	50.0	55.0		ug/L		110	64 - 139
1,1,1,2-Tetrachloroethane	50.0	52.1		ug/L		104	67 - 131
1,1,2,2-Tetrachloroethane	50.0	47.0		ug/L		94	70 - 131
Tetrachloroethene	50.0	58.0		ug/L		116	65 - 130
Toluene	50.0	56.7		ug/L		113	70 - 130
trans-1,2-Dichloroethene	50.0	51.6		ug/L		103	70 - 130
trans-1,3-Dichloropropene	50.0	51.0		ug/L		102	63 - 130
1,2,3-Trichlorobenzene	50.0	60.0		ug/L		120	60 - 138
1,2,4-Trichlorobenzene	50.0	61.1		ug/L		122	60 - 140
1,1,1-Trichloroethane	50.0	50.0		ug/L		100	68 - 130
1,1,2-Trichloroethane	50.0	49.3		ug/L		99	70 - 130
Trichloroethene	50.0	51.7		ug/L		103	70 - 130
Trichlorofluoromethane	50.0	48.6		ug/L		97	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517566/1002
Matrix: Water
Analysis Batch: 517566

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	50.0	46.0		ug/L		92	70 - 130
1,2,4-Trimethylbenzene	50.0	67.4	*+	ug/L		135	70 - 130
1,3,5-Trimethylbenzene	50.0	62.6		ug/L		125	69 - 130
Vinyl acetate	100	82.4		ug/L		82	26 - 160
Vinyl chloride	50.0	58.5		ug/L		117	59 - 136
Xylenes, Total	100	118		ug/L		118	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 400-198050-3 MS
Matrix: Water
Analysis Batch: 517566

Client Sample ID: MW3-ROX-010821-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	147		ug/L		73	43 - 150
Acrolein	ND		500	514		ug/L		103	38 - 150
Acrylonitrile	ND		500	409		ug/L		82	62 - 149
Benzene	ND		50.0	47.9		ug/L		96	56 - 142
Bromobenzene	ND		50.0	51.8		ug/L		104	59 - 136
Bromochloromethane	ND		50.0	46.4		ug/L		93	64 - 140
Bromodichloromethane	ND		50.0	43.0		ug/L		86	59 - 143
Bromoform	ND		50.0	38.6		ug/L		77	50 - 140
Bromomethane	ND		50.0	49.2		ug/L		98	10 - 150
2-Butanone (MEK)	ND		200	131		ug/L		65	55 - 150
Carbon disulfide	ND		50.0	47.0		ug/L		94	48 - 150
Carbon tetrachloride	ND		50.0	44.3		ug/L		89	55 - 145
Chlorobenzene	ND		50.0	52.2		ug/L		104	64 - 130
Dibromochloromethane	ND		50.0	43.7		ug/L		87	56 - 143
Chloroethane	ND		50.0	56.0		ug/L		112	50 - 150
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150
Chloroform	ND		50.0	46.6		ug/L		93	60 - 141
1-Chlorohexane	ND	*+	50.0	59.9		ug/L		120	56 - 136
Chloromethane	ND		50.0	58.3		ug/L		117	49 - 148
cis-1,2-Dichloroethene	ND		50.0	47.8		ug/L		96	59 - 143
cis-1,3-Dichloropropene	ND		50.0	44.6		ug/L		89	57 - 140
1,2-Dichlorobenzene	ND		50.0	53.0		ug/L		106	52 - 137
1,3-Dichlorobenzene	ND		50.0	55.7		ug/L		111	54 - 135
1,4-Dichlorobenzene	ND		50.0	52.5		ug/L		105	53 - 135
Dichlorodifluoromethane	ND		50.0	54.2		ug/L		108	16 - 150
1,1-Dichloroethane	ND		50.0	49.6		ug/L		99	61 - 144
1,2-Dichloroethane	ND		50.0	43.1		ug/L		86	60 - 141
1,1-Dichloroethene	ND		50.0	44.7		ug/L		89	54 - 147
1,2-Dichloropropane	ND		50.0	48.7		ug/L		97	66 - 137
1,3-Dichloropropane	ND		50.0	46.5		ug/L		93	66 - 133
2,2-Dichloropropane	ND		50.0	45.1		ug/L		90	42 - 144

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198050-3 MS
Matrix: Water
Analysis Batch: 517566

Client Sample ID: MW3-ROX-010821-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	ND		50.0	47.5		ug/L		95	65 - 136
Ethylbenzene	ND		50.0	53.1		ug/L		106	58 - 131
Ethyl methacrylate	ND		50.0	41.7		ug/L		83	64 - 130
Hexachlorobutadiene	ND		50.0	62.5		ug/L		125	31 - 149
2-Hexanone	ND		200	171		ug/L		85	65 - 140
Isopropylbenzene	ND		50.0	56.3		ug/L		113	56 - 133
Methylene bromide	ND		50.0	42.0		ug/L		84	63 - 138
Methylene Chloride	ND		50.0	47.3		ug/L		95	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	163		ug/L		82	63 - 146
Methyl tert-butyl ether	ND		50.0	40.3		ug/L		81	59 - 137
m-Xylene & p-Xylene	ND		50.0	52.9		ug/L		106	57 - 130
Naphthalene	ND		50.0	45.1		ug/L		90	25 - 150
n-Butylbenzene	ND	*+	50.0	71.2		ug/L		142	41 - 142
N-Propylbenzene	ND		50.0	58.9		ug/L		118	51 - 138
o-Chlorotoluene	ND		50.0	54.6		ug/L		109	53 - 134
o-Xylene	ND		50.0	53.9		ug/L		108	61 - 130
p-Chlorotoluene	ND		50.0	56.2		ug/L		112	54 - 133
p-Isopropyltoluene	ND	*+	50.0	65.0		ug/L		130	48 - 139
sec-Butylbenzene	ND	*+	50.0	60.4		ug/L		121	50 - 138
Styrene	ND		50.0	51.5		ug/L		103	58 - 131
tert-Butylbenzene	ND		50.0	50.7		ug/L		101	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	46.5		ug/L		93	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	42.8		ug/L		86	66 - 135
Tetrachloroethene	ND		50.0	48.4		ug/L		97	52 - 133
Toluene	ND		50.0	51.9		ug/L		104	65 - 130
trans-1,2-Dichloroethene	ND		50.0	46.9		ug/L		94	61 - 143
trans-1,3-Dichloropropene	ND		50.0	45.6		ug/L		91	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	56.8		ug/L		114	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	57.3		ug/L		115	39 - 148
1,1,1-Trichloroethane	ND		50.0	44.5		ug/L		89	57 - 142
1,1,2-Trichloroethane	ND		50.0	46.8		ug/L		94	66 - 131
Trichloroethene	ND		50.0	46.4		ug/L		93	64 - 136
Trichlorofluoromethane	ND		50.0	48.7		ug/L		97	54 - 150
1,2,3-Trichloropropane	ND		50.0	40.4		ug/L		81	65 - 133
1,2,4-Trimethylbenzene	ND	*+	50.0	61.1		ug/L		122	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	58.1		ug/L		116	52 - 135
Vinyl acetate	ND		100	78.4		ug/L		78	26 - 150
Vinyl chloride	ND		50.0	57.7		ug/L		115	46 - 150
Xylenes, Total	ND		100	107		ug/L		107	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*78 - 118*
Dibromofluoromethane	*96*		*81 - 121*
Toluene-d8 (Surr)	*104*		*80 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198050-3 MSD
Matrix: Water
Analysis Batch: 517566

Client Sample ID: MW3-ROX-010821-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		200	154		ug/L		77	43 - 150	5	30
Acrolein	ND		500	592		ug/L		118	38 - 150	14	31
Acrylonitrile	ND		500	434		ug/L		87	62 - 149	6	30
Benzene	ND		50.0	47.9		ug/L		96	56 - 142	0	30
Bromobenzene	ND		50.0	49.4		ug/L		99	59 - 136	5	30
Bromochloromethane	ND		50.0	46.2		ug/L		92	64 - 140	0	30
Bromodichloromethane	ND		50.0	43.5		ug/L		87	59 - 143	1	30
Bromoform	ND		50.0	39.7		ug/L		79	50 - 140	3	30
Bromomethane	ND		50.0	51.2		ug/L		102	10 - 150	4	50
2-Butanone (MEK)	ND		200	142		ug/L		71	55 - 150	8	30
Carbon disulfide	ND		50.0	47.2		ug/L		94	48 - 150	1	30
Carbon tetrachloride	ND		50.0	44.0		ug/L		88	55 - 145	1	30
Chlorobenzene	ND		50.0	50.9		ug/L		102	64 - 130	3	30
Dibromochloromethane	ND		50.0	45.2		ug/L		90	56 - 143	3	30
Chloroethane	ND		50.0	59.4		ug/L		119	50 - 150	6	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	45.8		ug/L		92	60 - 141	2	30
1-Chlorohexane	ND	*+	50.0	56.0		ug/L		112	56 - 136	7	30
Chloromethane	ND		50.0	63.5		ug/L		127	49 - 148	8	31
cis-1,2-Dichloroethene	ND		50.0	48.3		ug/L		97	59 - 143	1	30
cis-1,3-Dichloropropene	ND		50.0	44.5		ug/L		89	57 - 140	0	30
1,2-Dichlorobenzene	ND		50.0	50.8		ug/L		102	52 - 137	4	30
1,3-Dichlorobenzene	ND		50.0	53.2		ug/L		106	54 - 135	5	30
1,4-Dichlorobenzene	ND		50.0	50.7		ug/L		101	53 - 135	3	30
Dichlorodifluoromethane	ND		50.0	59.0		ug/L		118	16 - 150	8	31
1,1-Dichloroethane	ND		50.0	50.3		ug/L		101	61 - 144	1	30
1,2-Dichloroethane	ND		50.0	44.1		ug/L		88	60 - 141	2	30
1,1-Dichloroethene	ND		50.0	45.5		ug/L		91	54 - 147	2	30
1,2-Dichloropropane	ND		50.0	48.5		ug/L		97	66 - 137	1	30
1,3-Dichloropropane	ND		50.0	46.2		ug/L		92	66 - 133	1	30
2,2-Dichloropropane	ND		50.0	45.9		ug/L		92	42 - 144	2	31
1,1-Dichloropropene	ND		50.0	47.7		ug/L		95	65 - 136	0	30
Ethylbenzene	ND		50.0	52.4		ug/L		105	58 - 131	1	30
Ethyl methacrylate	ND		50.0	44.4		ug/L		89	64 - 130	6	30
Hexachlorobutadiene	ND		50.0	57.2		ug/L		114	31 - 149	9	36
2-Hexanone	ND		200	183		ug/L		91	65 - 140	7	30
Isopropylbenzene	ND		50.0	53.2		ug/L		106	56 - 133	6	30
Methylene bromide	ND		50.0	42.0		ug/L		84	63 - 138	0	30
Methylene Chloride	ND		50.0	46.9		ug/L		94	60 - 146	1	32
4-Methyl-2-pentanone (MIBK)	ND		200	173		ug/L		86	63 - 146	6	30
Methyl tert-butyl ether	ND		50.0	42.3		ug/L		85	59 - 137	5	30
m-Xylene & p-Xylene	ND		50.0	51.0		ug/L		102	57 - 130	4	30
Naphthalene	ND		50.0	47.5		ug/L		95	25 - 150	5	30
n-Butylbenzene	ND	*+	50.0	66.3		ug/L		133	41 - 142	7	31
N-Propylbenzene	ND		50.0	55.6		ug/L		111	51 - 138	6	30
o-Chlorotoluene	ND		50.0	51.9		ug/L		104	53 - 134	5	30
o-Xylene	ND		50.0	51.7		ug/L		103	61 - 130	4	30
p-Chlorotoluene	ND		50.0	52.9		ug/L		106	54 - 133	6	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198050-3 MSD
Matrix: Water
Analysis Batch: 517566

Client Sample ID: MW3-ROX-010821-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p-Isopropyltoluene	ND	*+	50.0	61.2		ug/L		122	48 - 139	6	30
sec-Butylbenzene	ND	*+	50.0	56.8		ug/L		114	50 - 138	6	30
Styrene	ND		50.0	50.4		ug/L		101	58 - 131	2	30
tert-Butylbenzene	ND		50.0	47.4		ug/L		95	54 - 146	7	30
1,1,1,2-Tetrachloroethane	ND		50.0	46.7		ug/L		93	59 - 137	0	30
1,1,2,2-Tetrachloroethane	ND		50.0	43.5		ug/L		87	66 - 135	1	30
Tetrachloroethene	ND		50.0	48.1		ug/L		96	52 - 133	1	30
Toluene	ND		50.0	51.4		ug/L		103	65 - 130	1	30
trans-1,2-Dichloroethene	ND		50.0	45.8		ug/L		92	61 - 143	2	30
trans-1,3-Dichloropropene	ND		50.0	46.7		ug/L		93	53 - 133	2	30
1,2,3-Trichlorobenzene	ND		50.0	56.6		ug/L		113	43 - 145	0	30
1,2,4-Trichlorobenzene	ND		50.0	57.2		ug/L		114	39 - 148	0	30
1,1,1-Trichloroethane	ND		50.0	45.8		ug/L		92	57 - 142	3	30
1,1,2-Trichloroethane	ND		50.0	46.6		ug/L		93	66 - 131	0	30
Trichloroethene	ND		50.0	45.1		ug/L		90	64 - 136	3	30
Trichlorofluoromethane	ND		50.0	52.3		ug/L		105	54 - 150	7	30
1,2,3-Trichloropropane	ND		50.0	41.3		ug/L		83	65 - 133	2	30
1,2,4-Trimethylbenzene	ND	*+	50.0	59.1		ug/L		118	50 - 139	3	30
1,3,5-Trimethylbenzene	ND		50.0	54.7		ug/L		109	52 - 135	6	30
Vinyl acetate	ND		100	89.1		ug/L		89	26 - 150	13	33
Vinyl chloride	ND		50.0	64.3		ug/L		129	46 - 150	11	30
Xylenes, Total	ND		100	103		ug/L		103	59 - 130	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*78 - 118*
Dibromofluoromethane	*97*		*81 - 121*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: 400-198050-8 MS
Matrix: Water
Analysis Batch: 517566

Client Sample ID: P114R-ROX-010821-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	144		ug/L		72	43 - 150
Acrolein	ND		500	587		ug/L		117	38 - 150
Acrylonitrile	ND		500	446		ug/L		89	62 - 149
Benzene	ND		50.0	50.4		ug/L		101	56 - 142
Bromobenzene	ND		50.0	49.4		ug/L		99	59 - 136
Bromochloromethane	ND		50.0	49.6		ug/L		99	64 - 140
Bromodichloromethane	ND		50.0	44.6		ug/L		89	59 - 143
Bromoform	ND		50.0	42.1		ug/L		84	50 - 140
Bromomethane	ND		50.0	55.1		ug/L		110	10 - 150
2-Butanone (MEK)	ND		200	147		ug/L		73	55 - 150
Carbon disulfide	ND		50.0	50.2		ug/L		100	48 - 150
Carbon tetrachloride	ND		50.0	47.2		ug/L		94	55 - 145
Chlorobenzene	ND		50.0	50.1		ug/L		100	64 - 130
Dibromochloromethane	ND		50.0	46.1		ug/L		92	56 - 143
Chloroethane	ND		50.0	64.9		ug/L		130	50 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198050-8 MS
Matrix: Water
Analysis Batch: 517566

Client Sample ID: P114R-ROX-010821-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150
Chloroform	ND		50.0	48.3		ug/L		97	60 - 141
1-Chlorohexane	ND	*+	50.0	55.6		ug/L		111	56 - 136
Chloromethane	ND		50.0	67.7		ug/L		135	49 - 148
cis-1,2-Dichloroethene	ND		50.0	50.9		ug/L		102	59 - 143
cis-1,3-Dichloropropene	ND		50.0	46.4		ug/L		93	57 - 140
1,2-Dichlorobenzene	ND		50.0	48.5		ug/L		97	52 - 137
1,3-Dichlorobenzene	ND		50.0	49.7		ug/L		99	54 - 135
1,4-Dichlorobenzene	ND		50.0	47.4		ug/L		95	53 - 135
Dichlorodifluoromethane	ND		50.0	62.6		ug/L		125	16 - 150
1,1-Dichloroethane	ND		50.0	53.5		ug/L		107	61 - 144
1,2-Dichloroethane	ND		50.0	44.6		ug/L		89	60 - 141
1,1-Dichloroethene	ND		50.0	49.5		ug/L		99	54 - 147
1,2-Dichloropropane	ND		50.0	49.0		ug/L		98	66 - 137
1,3-Dichloropropane	ND		50.0	48.1		ug/L		96	66 - 133
2,2-Dichloropropane	ND		50.0	48.5		ug/L		97	42 - 144
1,1-Dichloropropene	ND		50.0	50.8		ug/L		102	65 - 136
Ethylbenzene	ND		50.0	50.9		ug/L		102	58 - 131
Ethyl methacrylate	ND		50.0	46.3		ug/L		93	64 - 130
Hexachlorobutadiene	ND		50.0	49.7		ug/L		99	31 - 149
2-Hexanone	ND		200	186		ug/L		93	65 - 140
Isopropylbenzene	ND		50.0	52.5		ug/L		105	56 - 133
Methylene bromide	ND		50.0	44.3		ug/L		89	63 - 138
Methylene Chloride	ND		50.0	50.9		ug/L		102	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	176		ug/L		88	63 - 146
Methyl tert-butyl ether	1.9		50.0	46.4		ug/L		89	59 - 137
m-Xylene & p-Xylene	ND		50.0	49.8		ug/L		100	57 - 130
Naphthalene	ND		50.0	48.5		ug/L		97	25 - 150
n-Butylbenzene	ND	*+	50.0	59.0		ug/L		118	41 - 142
N-Propylbenzene	ND		50.0	52.9		ug/L		106	51 - 138
o-Chlorotoluene	ND		50.0	51.1		ug/L		102	53 - 134
o-Xylene	ND		50.0	51.2		ug/L		102	61 - 130
p-Chlorotoluene	ND		50.0	50.4		ug/L		101	54 - 133
p-Isopropyltoluene	ND	*+	50.0	55.8		ug/L		112	48 - 139
sec-Butylbenzene	ND	*+	50.0	53.3		ug/L		107	50 - 138
Styrene	ND		50.0	49.1		ug/L		98	58 - 131
tert-Butylbenzene	ND		50.0	54.0		ug/L		108	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	49.4		ug/L		99	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	44.6		ug/L		89	66 - 135
Tetrachloroethene	ND		50.0	47.8		ug/L		96	52 - 133
Toluene	ND		50.0	52.8		ug/L		106	65 - 130
trans-1,2-Dichloroethene	ND		50.0	49.8		ug/L		100	61 - 143
trans-1,3-Dichloropropene	ND		50.0	48.9		ug/L		98	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	53.6		ug/L		107	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	54.5		ug/L		109	39 - 148
1,1,1-Trichloroethane	ND		50.0	48.5		ug/L		97	57 - 142
1,1,2-Trichloroethane	ND		50.0	47.8		ug/L		96	66 - 131
Trichloroethene	ND		50.0	48.3		ug/L		97	64 - 136
Trichlorofluoromethane	ND		50.0	54.6		ug/L		109	54 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198050-8 MS
Matrix: Water
Analysis Batch: 517566

Client Sample ID: P114R-ROX-010821-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	ND		50.0	42.9		ug/L		86	65 - 133
1,2,4-Trimethylbenzene	ND	*+	50.0	54.7		ug/L		109	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	52.5		ug/L		105	52 - 135
Vinyl acetate	ND		100	91.3		ug/L		91	26 - 150
Vinyl chloride	ND		50.0	68.8		ug/L		138	46 - 150
Xylenes, Total	ND		100	101		ug/L		101	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*78 - 118*
Dibromofluoromethane	*96*		*81 - 121*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: 400-198050-8 MSD
Matrix: Water
Analysis Batch: 517566

Client Sample ID: P114R-ROX-010821-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		200	149		ug/L		74	43 - 150	3	30
Acrolein	ND		500	614		ug/L		123	38 - 150	5	31
Acrylonitrile	ND		500	455		ug/L		91	62 - 149	2	30
Benzene	ND		50.0	46.7		ug/L		93	56 - 142	8	30
Bromobenzene	ND		50.0	48.8		ug/L		98	59 - 136	1	30
Bromochloromethane	ND		50.0	47.7		ug/L		95	64 - 140	4	30
Bromodichloromethane	ND		50.0	42.0		ug/L		84	59 - 143	6	30
Bromoform	ND		50.0	43.4		ug/L		87	50 - 140	3	30
Bromomethane	ND		50.0	55.5		ug/L		111	10 - 150	1	50
2-Butanone (MEK)	ND		200	155		ug/L		78	55 - 150	6	30
Carbon disulfide	ND		50.0	47.2		ug/L		94	48 - 150	6	30
Carbon tetrachloride	ND		50.0	44.3		ug/L		89	55 - 145	6	30
Chlorobenzene	ND		50.0	47.6		ug/L		95	64 - 130	5	30
Dibromochloromethane	ND		50.0	46.2		ug/L		92	56 - 143	0	30
Chloroethane	ND		50.0	61.0		ug/L		122	50 - 150	6	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	46.8		ug/L		94	60 - 141	3	30
1-Chlorohexane	ND	*+	50.0	53.5		ug/L		107	56 - 136	4	30
Chloromethane	ND		50.0	66.6		ug/L		133	49 - 148	2	31
cis-1,2-Dichloroethene	ND		50.0	48.7		ug/L		97	59 - 143	4	30
cis-1,3-Dichloropropene	ND		50.0	43.9		ug/L		88	57 - 140	6	30
1,2-Dichlorobenzene	ND		50.0	47.1		ug/L		94	52 - 137	3	30
1,3-Dichlorobenzene	ND		50.0	47.7		ug/L		95	54 - 135	4	30
1,4-Dichlorobenzene	ND		50.0	45.7		ug/L		91	53 - 135	4	30
Dichlorodifluoromethane	ND		50.0	61.3		ug/L		123	16 - 150	2	31
1,1-Dichloroethane	ND		50.0	50.4		ug/L		101	61 - 144	6	30
1,2-Dichloroethane	ND		50.0	43.9		ug/L		88	60 - 141	2	30
1,1-Dichloroethene	ND		50.0	45.4		ug/L		91	54 - 147	8	30
1,2-Dichloropropane	ND		50.0	48.4		ug/L		97	66 - 137	1	30
1,3-Dichloropropane	ND		50.0	48.3		ug/L		97	66 - 133	0	30
2,2-Dichloropropane	ND		50.0	46.2		ug/L		92	42 - 144	5	31

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198050-8 MSD
Matrix: Water
Analysis Batch: 517566

Client Sample ID: P114R-ROX-010821-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloropropene	ND		50.0	47.1		ug/L		94	65 - 136	7	30
Ethylbenzene	ND		50.0	48.4		ug/L		97	58 - 131	5	30
Ethyl methacrylate	ND		50.0	48.5		ug/L		97	64 - 130	5	30
Hexachlorobutadiene	ND		50.0	45.4		ug/L		91	31 - 149	9	36
2-Hexanone	ND		200	204		ug/L		102	65 - 140	10	30
Isopropylbenzene	ND		50.0	48.8		ug/L		98	56 - 133	7	30
Methylene bromide	ND		50.0	42.7		ug/L		85	63 - 138	4	30
Methylene Chloride	ND		50.0	48.1		ug/L		96	60 - 146	6	32
4-Methyl-2-pentanone (MIBK)	ND		200	184		ug/L		92	63 - 146	4	30
Methyl tert-butyl ether	1.9		50.0	45.7		ug/L		88	59 - 137	2	30
m-Xylene & p-Xylene	ND		50.0	47.2		ug/L		94	57 - 130	5	30
Naphthalene	ND		50.0	49.0		ug/L		98	25 - 150	1	30
n-Butylbenzene	ND	*+	50.0	56.1		ug/L		112	41 - 142	5	31
N-Propylbenzene	ND		50.0	49.0		ug/L		98	51 - 138	8	30
o-Chlorotoluene	ND		50.0	47.8		ug/L		96	53 - 134	7	30
o-Xylene	ND		50.0	48.6		ug/L		97	61 - 130	5	30
p-Chlorotoluene	ND		50.0	47.9		ug/L		96	54 - 133	5	30
p-Isopropyltoluene	ND	*+	50.0	52.9		ug/L		106	48 - 139	5	30
sec-Butylbenzene	ND	*+	50.0	50.3		ug/L		101	50 - 138	6	30
Styrene	ND		50.0	46.4		ug/L		93	58 - 131	6	30
tert-Butylbenzene	ND		50.0	43.4		ug/L		87	54 - 146	22	30
1,1,1,2-Tetrachloroethane	ND		50.0	46.7		ug/L		93	59 - 137	6	30
1,1,2,2-Tetrachloroethane	ND		50.0	47.5		ug/L		95	66 - 135	6	30
Tetrachloroethene	ND		50.0	45.2		ug/L		90	52 - 133	6	30
Toluene	ND		50.0	50.3		ug/L		101	65 - 130	5	30
trans-1,2-Dichloroethene	ND		50.0	45.6		ug/L		91	61 - 143	9	30
trans-1,3-Dichloropropene	ND		50.0	48.3		ug/L		97	53 - 133	1	30
1,2,3-Trichlorobenzene	ND		50.0	51.5		ug/L		103	43 - 145	4	30
1,2,4-Trichlorobenzene	ND		50.0	51.3		ug/L		103	39 - 148	6	30
1,1,1-Trichloroethane	ND		50.0	45.3		ug/L		91	57 - 142	7	30
1,1,2-Trichloroethane	ND		50.0	48.7		ug/L		97	66 - 131	2	30
Trichloroethene	ND		50.0	44.1		ug/L		88	64 - 136	9	30
Trichlorofluoromethane	ND		50.0	53.0		ug/L		106	54 - 150	3	30
1,2,3-Trichloropropane	ND		50.0	44.4		ug/L		89	65 - 133	4	30
1,2,4-Trimethylbenzene	ND	*+	50.0	52.3		ug/L		105	50 - 139	5	30
1,3,5-Trimethylbenzene	ND		50.0	49.0		ug/L		98	52 - 135	7	30
Vinyl acetate	ND		100	91.9		ug/L		92	26 - 150	1	33
Vinyl chloride	ND		50.0	65.2		ug/L		130	46 - 150	5	30
Xylenes, Total	ND		100	95.8		ug/L		96	59 - 130	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*78 - 118*
Dibromofluoromethane	*95*		*81 - 121*
Toluene-d8 (Surr)	*108*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-517023/1-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		2.5	0.95	ug/L		01/11/21 09:10	01/12/21 18:22	1
Benzenethiol	ND		2.5	0.43	ug/L		01/11/21 09:10	01/12/21 18:22	1
Benzoic acid	ND		7.5	1.8	ug/L		01/11/21 09:10	01/12/21 18:22	1
Benzyl alcohol	ND		2.5	0.50	ug/L		01/11/21 09:10	01/12/21 18:22	1
Bis(2-chloroethoxy)methane	ND		2.5	0.040	ug/L		01/11/21 09:10	01/12/21 18:22	1
Bis(2-chloroethyl)ether	ND		2.5	0.68	ug/L		01/11/21 09:10	01/12/21 18:22	1
bis (2-chloroisopropyl) ether	ND		2.5	0.040	ug/L		01/11/21 09:10	01/12/21 18:22	1
Bis(2-ethylhexyl) phthalate	ND		2.5	1.3	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Bromophenyl phenyl ether	ND		2.5	0.050	ug/L		01/11/21 09:10	01/12/21 18:22	1
Butyl benzyl phthalate	ND		2.5	0.048	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Chloroaniline	ND		2.5	0.85	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Chloro-3-methylphenol	ND		2.5	0.95	ug/L		01/11/21 09:10	01/12/21 18:22	1
2-Chloronaphthalene	ND		2.5	0.035	ug/L		01/11/21 09:10	01/12/21 18:22	1
2-Chlorophenol	ND		2.5	0.55	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Chlorophenyl phenyl ether	ND		2.5	0.50	ug/L		01/11/21 09:10	01/12/21 18:22	1
Dibenz[a,h]acridine	ND		2.5	0.25	ug/L		01/11/21 09:10	01/12/21 18:22	1
Dibenzofuran	ND		2.5	0.043	ug/L		01/11/21 09:10	01/12/21 18:22	1
3,3'-Dichlorobenzidine	ND		2.5	0.65	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4-Dichlorophenol	ND		2.5	0.75	ug/L		01/11/21 09:10	01/12/21 18:22	1
Diethyl phthalate	ND		2.5	0.060	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4-Dimethylphenol	ND		2.5	0.88	ug/L		01/11/21 09:10	01/12/21 18:22	1
Dimethyl phthalate	ND		2.5	0.043	ug/L		01/11/21 09:10	01/12/21 18:22	1
Di-n-butyl phthalate	ND		2.5	0.68	ug/L		01/11/21 09:10	01/12/21 18:22	1
4,6-Dinitro-ortho-cresol	ND		2.5	0.40	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4-Dinitrophenol	ND		7.5	0.85	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4-Dinitrotoluene	ND		2.5	0.48	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,6-Dinitrotoluene	ND		2.5	0.48	ug/L		01/11/21 09:10	01/12/21 18:22	1
Di-n-octyl phthalate	ND		2.5	0.043	ug/L		01/11/21 09:10	01/12/21 18:22	1
1,4-Dioxane	ND		2.5	0.25	ug/L		01/11/21 09:10	01/12/21 18:22	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		2.5	0.25	ug/L		01/11/21 09:10	01/12/21 18:22	1
Hexachlorobenzene	ND		2.5	0.043	ug/L		01/11/21 09:10	01/12/21 18:22	1
Hexachlorocyclopentadiene	ND		5.0	0.65	ug/L		01/11/21 09:10	01/12/21 18:22	1
Hexachloroethane	ND		2.5	1.1	ug/L		01/11/21 09:10	01/12/21 18:22	1
Indene	ND		2.5	0.25	ug/L		01/11/21 09:10	01/12/21 18:22	1
Isophorone	ND		2.5	0.035	ug/L		01/11/21 09:10	01/12/21 18:22	1
2-Methylphenol	ND		2.5	0.45	ug/L		01/11/21 09:10	01/12/21 18:22	1
3 & 4 Methylphenol	ND		5.0	0.098	ug/L		01/11/21 09:10	01/12/21 18:22	1
2-Nitroaniline	ND		2.5	0.55	ug/L		01/11/21 09:10	01/12/21 18:22	1
3-Nitroaniline	ND		2.5	0.45	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Nitroaniline	ND		2.5	0.38	ug/L		01/11/21 09:10	01/12/21 18:22	1
Nitrobenzene	ND		2.5	0.033	ug/L		01/11/21 09:10	01/12/21 18:22	1
2-Nitrophenol	ND		2.5	1.3	ug/L		01/11/21 09:10	01/12/21 18:22	1
4-Nitrophenol	ND		2.5	0.53	ug/L		01/11/21 09:10	01/12/21 18:22	1
N-Nitrosodimethylamine	ND		2.5	0.88	ug/L		01/11/21 09:10	01/12/21 18:22	1
N-Nitrosodi-n-propylamine	ND		2.5	0.83	ug/L		01/11/21 09:10	01/12/21 18:22	1
N-Nitrosodiphenylamine	ND		2.5	0.045	ug/L		01/11/21 09:10	01/12/21 18:22	1
Pentachlorophenol	ND		5.0	0.35	ug/L		01/11/21 09:10	01/12/21 18:22	1
Phenol	ND		2.5	0.65	ug/L		01/11/21 09:10	01/12/21 18:22	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517023/1-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	ND		2.5	0.80	ug/L		01/11/21 09:10	01/12/21 18:22	1
Quinoline	ND		2.5	1.1	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4,5-Trichlorophenol	ND		2.5	0.93	ug/L		01/11/21 09:10	01/12/21 18:22	1
2,4,6-Trichlorophenol	ND		2.5	0.88	ug/L		01/11/21 09:10	01/12/21 18:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*46 - 124*	*01/11/21 09:10*	*01/12/21 18:22*	*1*
2-Fluorophenol	*56*		*13 - 113*	*01/11/21 09:10*	*01/12/21 18:22*	*1*
Nitrobenzene-d5	*77*		*36 - 126*	*01/11/21 09:10*	*01/12/21 18:22*	*1*
Phenol-d5	*78*		*17 - 127*	*01/11/21 09:10*	*01/12/21 18:22*	*1*
Terphenyl-d14	*87*		*44 - 149*	*01/11/21 09:10*	*01/12/21 18:22*	*1*
2,4,6-Tribromophenol	*73*		*26 - 150*	*01/11/21 09:10*	*01/12/21 18:22*	*1*

Lab Sample ID: LCS 400-517023/2-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	30.0	22.7		ug/L		76	21 - 120
Benzoic acid	125	87.6		ug/L		70	10 - 144
Benzyl alcohol	30.0	24.9		ug/L		83	28 - 120
Bis(2-chloroethoxy)methane	30.0	23.0		ug/L		77	47 - 120
Bis(2-chloroethyl)ether	30.0	24.0		ug/L		80	44 - 120
bis (2-chloroisopropyl) ether	30.0	22.4		ug/L		75	33 - 121
Bis(2-ethylhexyl) phthalate	30.0	27.0		ug/L		90	52 - 147
4-Bromophenyl phenyl ether	30.0	25.7		ug/L		86	54 - 122
Butyl benzyl phthalate	30.0	25.7		ug/L		86	54 - 133
4-Chloroaniline	30.0	17.0		ug/L		57	26 - 120
4-Chloro-3-methylphenol	30.0	24.3		ug/L		81	48 - 131
2-Chloronaphthalene	30.0	25.5		ug/L		85	52 - 121
2-Chlorophenol	30.0	24.1		ug/L		80	40 - 120
4-Chlorophenyl phenyl ether	30.0	27.5		ug/L		92	56 - 125
Dibenz[a,h]acridine	30.0	26.6		ug/L		89	31 - 150
Dibenzofuran	30.0	25.8		ug/L		86	56 - 122
3,3'-Dichlorobenzidine	40.0	40.0		ug/L		100	36 - 132
2,4-Dichlorophenol	30.0	24.4		ug/L		81	49 - 120
Diethyl phthalate	30.0	25.7		ug/L		86	50 - 137
2,4-Dimethylphenol	30.0	22.8		ug/L		76	48 - 120
Dimethyl phthalate	30.0	26.1		ug/L		87	57 - 124
Di-n-butyl phthalate	30.0	26.6		ug/L		89	58 - 126
4,6-Dinitro-ortho-cresol	60.0	57.0		ug/L		95	23 - 148
2,4-Dinitrophenol	60.0	66.2		ug/L		110	10 - 150
2,4-Dinitrotoluene	30.0	28.1		ug/L		94	54 - 142
2,6-Dinitrotoluene	30.0	26.5		ug/L		88	55 - 130
Di-n-octyl phthalate	30.0	27.1		ug/L		90	57 - 138
1,4-Dioxane	30.0	18.6		ug/L		62	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	30.0	23.9		ug/L		80	45 - 124
Hexachlorobenzene	30.0	25.9		ug/L		86	52 - 129

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517023/2-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorocyclopentadiene	30.0	22.6		ug/L		75	10 - 134
Hexachloroethane	30.0	21.8		ug/L		73	20 - 120
Indene	30.0	25.0		ug/L		83	49 - 120
Isophorone	30.0	23.2		ug/L		77	48 - 120
2-Methylphenol	30.0	23.4		ug/L		78	46 - 124
3 & 4 Methylphenol	30.0	21.6		ug/L		72	45 - 120
2-Nitroaniline	30.0	25.9		ug/L		86	51 - 145
3-Nitroaniline	30.0	24.9		ug/L		83	37 - 127
4-Nitroaniline	30.0	26.8		ug/L		89	36 - 137
Nitrobenzene	30.0	22.0		ug/L		73	45 - 120
2-Nitrophenol	30.0	25.9		ug/L		86	40 - 124
4-Nitrophenol	60.0	50.8		ug/L		85	23 - 146
N-Nitrosodimethylamine	30.0	19.7		ug/L		66	29 - 137
N-Nitrosodi-n-propylamine	30.0	23.8		ug/L		79	45 - 120
N-Nitrosodiphenylamine	29.8	26.2		ug/L		88	54 - 120
Pentachlorophenol	60.0	59.0		ug/L		98	31 - 130
Phenol	30.0	27.2		ug/L		91	11 - 120
Pyridine	60.0	32.7		ug/L		54	16 - 120
Quinoline	30.0	29.2		ug/L		97	49 - 130
2,4,5-Trichlorophenol	30.0	28.3		ug/L		94	51 - 136
2,4,6-Trichlorophenol	30.0	28.4		ug/L		95	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*46 - 124*
2-Fluorophenol	*62*		*13 - 113*
Nitrobenzene-d5	*72*		*36 - 126*
Phenol-d5	*75*		*17 - 127*
Terphenyl-d14	*77*		*44 - 149*
2,4,6-Tribromophenol	*86*		*26 - 150*

Lab Sample ID: LCS 400-517023/3-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	30.0	22.6		ug/L		75	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*95*		*46 - 124*
2-Fluorophenol	*62*		*13 - 113*
Nitrobenzene-d5	*75*		*36 - 126*
Phenol-d5	*70*		*17 - 127*
Terphenyl-d14	*86*		*44 - 149*
2,4,6-Tribromophenol	*73*		*26 - 150*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-517023/24-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	30.0	23.7		ug/L		79	21 - 120	4	30
Benzoic acid	125	89.3		ug/L		71	10 - 144	2	30
Benzyl alcohol	30.0	25.7		ug/L		86	28 - 120	3	30
Bis(2-chloroethoxy)methane	30.0	23.6		ug/L		79	47 - 120	2	30
Bis(2-chloroethyl)ether	30.0	25.5		ug/L		85	44 - 120	6	30
bis (2-chloroisopropyl) ether	30.0	23.8		ug/L		79	33 - 121	6	30
Bis(2-ethylhexyl) phthalate	30.0	28.7		ug/L		96	52 - 147	6	30
4-Bromophenyl phenyl ether	30.0	27.0		ug/L		90	54 - 122	5	30
Butyl benzyl phthalate	30.0	27.8		ug/L		93	54 - 133	8	30
4-Chloroaniline	30.0	17.6		ug/L		59	26 - 120	3	30
4-Chloro-3-methylphenol	30.0	24.7		ug/L		82	48 - 131	2	30
2-Chloronaphthalene	30.0	27.5		ug/L		92	52 - 121	7	30
2-Chlorophenol	30.0	23.9		ug/L		80	40 - 120	1	30
4-Chlorophenyl phenyl ether	30.0	28.6		ug/L		95	56 - 125	4	30
Dibenz[a,h]acridine	30.0	28.6		ug/L		95	31 - 150	7	30
Dibenzofuran	30.0	27.3		ug/L		91	56 - 122	6	30
3,3'-Dichlorobenzidine	40.0	40.9		ug/L		102	36 - 132	2	30
2,4-Dichlorophenol	30.0	25.1		ug/L		84	49 - 120	3	30
Diethyl phthalate	30.0	27.3		ug/L		91	50 - 137	6	30
2,4-Dimethylphenol	30.0	24.1		ug/L		80	48 - 120	6	30
Dimethyl phthalate	30.0	27.4		ug/L		91	57 - 124	5	30
Di-n-butyl phthalate	30.0	28.4		ug/L		95	58 - 126	7	30
4,6-Dinitro-ortho-cresol	60.0	62.4		ug/L		104	23 - 148	9	30
2,4-Dinitrophenol	60.0	70.9		ug/L		118	10 - 150	7	30
2,4-Dinitrotoluene	30.0	29.5		ug/L		98	54 - 142	5	30
2,6-Dinitrotoluene	30.0	27.4		ug/L		91	55 - 130	3	30
Di-n-octyl phthalate	30.0	29.0		ug/L		97	57 - 138	7	30
1,4-Dioxane	30.0	19.5		ug/L		65	31 - 120	5	30
1,2-Diphenylhydrazine (as Azobenzene)	30.0	25.3		ug/L		84	45 - 124	5	30
Hexachlorobenzene	30.0	27.2		ug/L		91	52 - 129	5	30
Hexachlorocyclopentadiene	30.0	23.6		ug/L		79	10 - 134	4	30
Hexachloroethane	30.0	23.3		ug/L		78	20 - 120	7	30
Indene	30.0	26.6		ug/L		89	49 - 120	6	30
Isophorone	30.0	24.3		ug/L		81	48 - 120	5	30
2-Methylphenol	30.0	24.3		ug/L		81	46 - 124	4	30
3 & 4 Methylphenol	30.0	22.4		ug/L		75	45 - 120	4	30
2-Nitroaniline	30.0	27.1		ug/L		90	51 - 145	4	30
3-Nitroaniline	30.0	25.5		ug/L		85	37 - 127	2	30
4-Nitroaniline	30.0	27.3		ug/L		91	36 - 137	2	30
Nitrobenzene	30.0	22.8		ug/L		76	45 - 120	3	30
2-Nitrophenol	30.0	27.1		ug/L		90	40 - 124	5	30
4-Nitrophenol	60.0	52.2		ug/L		87	23 - 146	3	30
N-Nitrosodimethylamine	30.0	20.9		ug/L		70	29 - 137	6	30
N-Nitrosodi-n-propylamine	30.0	25.1		ug/L		84	45 - 120	5	30
N-Nitrosodiphenylamine	29.8	27.1		ug/L		91	54 - 120	3	30
Pentachlorophenol	60.0	60.3		ug/L		101	31 - 130	2	30
Phenol	30.0	27.9		ug/L		93	11 - 120	2	30
Pyridine	60.0	33.0		ug/L		55	16 - 120	1	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-517023/24-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Quinoline	30.0	31.4		ug/L		105	49 - 130	7	30
2,4,5-Trichlorophenol	30.0	27.9		ug/L		93	51 - 136	2	30
2,4,6-Trichlorophenol	30.0	29.7		ug/L		99	50 - 127	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*90*		*46 - 124*
2-Fluorophenol	*52*		*13 - 113*
Nitrobenzene-d5	*81*		*36 - 126*
Phenol-d5	*76*		*17 - 127*
Terphenyl-d14	*83*		*44 - 149*
2,4,6-Tribromophenol	*88*		*26 - 150*

Lab Sample ID: LCSD 400-517023/4-A
Matrix: Water
Analysis Batch: 517182

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	30.0	20.7		ug/L		69	10 - 120	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*97*		*46 - 124*
2-Fluorophenol	*56*		*13 - 113*
Nitrobenzene-d5	*78*		*36 - 126*
Phenol-d5	*75*		*17 - 127*
Terphenyl-d14	*89*		*44 - 149*
2,4,6-Tribromophenol	*72*		*26 - 150*

Lab Sample ID: 400-198050-3 MS
Matrix: Water
Analysis Batch: 517182

Client Sample ID: MW3-ROX-010821-MS
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND		127	78.7		ug/L		62	10 - 120
Benzoic acid	ND		530	418		ug/L		79	10 - 149
Benzyl alcohol	ND		127	87.2		ug/L		69	33 - 120
Bis(2-chloroethoxy)methane	ND		127	81.3		ug/L		64	26 - 120
Bis(2-chloroethyl)ether	ND		127	87.0		ug/L		69	42 - 120
bis (2-chloroisopropyl) ether	ND		127	79.4		ug/L		63	28 - 120
Bis(2-ethylhexyl) phthalate	ND		127	79.7		ug/L		63	39 - 120
4-Bromophenyl phenyl ether	ND		127	90.1		ug/L		71	40 - 120
Butyl benzyl phthalate	ND		127	87.6		ug/L		69	45 - 120
4-Chloroaniline	ND		127	58.4		ug/L		46	10 - 120
4-Chloro-3-methylphenol	ND		127	83.9		ug/L		66	34 - 120
2-Chloronaphthalene	ND		127	90.7		ug/L		72	39 - 120
2-Chlorophenol	ND		127	67.9		ug/L		54	25 - 120
4-Chlorophenyl phenyl ether	ND		127	97.5		ug/L		77	44 - 120
Dibenz[a,h]acridine	ND		127	86.4		ug/L		68	50 - 150
Dibenzofuran	ND		127	89.8		ug/L		71	25 - 130

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198050-3 MS
Matrix: Water
Analysis Batch: 517182

Client Sample ID: MW3-ROX-010821-MS
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
3,3'-Dichlorobenzidine	ND		169	98.0		ug/L		58	10 - 120
2,4-Dichlorophenol	ND		127	81.2		ug/L		64	31 - 120
Diethyl phthalate	ND		127	91.3		ug/L		72	46 - 120
2,4-Dimethylphenol	ND		127	82.9		ug/L		65	21 - 120
Dimethyl phthalate	ND		127	91.8		ug/L		72	38 - 120
Di-n-butyl phthalate	ND		127	93.6		ug/L		74	49 - 120
4,6-Dinitro-ortho-cresol	ND		253	220		ug/L		87	25 - 120
2,4-Dinitrophenol	ND		253	274		ug/L		108	15 - 140
2,4-Dinitrotoluene	ND		127	100		ug/L		79	53 - 120
2,6-Dinitrotoluene	ND		127	94.2		ug/L		74	43 - 120
Di-n-octyl phthalate	ND		127	91.5		ug/L		72	35 - 121
1,4-Dioxane	ND	F1	127	36.6	F1	ug/L		29	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND		127	82.4		ug/L		65	50 - 150
Hexachlorobenzene	ND		127	90.3		ug/L		71	38 - 122
Hexachlorocyclopentadiene	ND		127	89.8		ug/L		71	10 - 120
Hexachloroethane	ND		127	77.8		ug/L		61	10 - 150
Indene	ND		127	88.1		ug/L		70	50 - 150
Isophorone	ND		127	84.5		ug/L		67	42 - 120
2-Methylphenol	ND		127	76.2		ug/L		60	28 - 120
3 & 4 Methylphenol	ND		127	70.2		ug/L		55	31 - 120
2-Nitroaniline	ND		127	90.6		ug/L		72	45 - 120
3-Nitroaniline	ND		127	84.1		ug/L		66	10 - 130
4-Nitroaniline	ND		127	90.3		ug/L		71	10 - 132
Nitrobenzene	ND		127	80.5		ug/L		64	39 - 120
2-Nitrophenol	ND		127	83.1		ug/L		66	33 - 120
4-Nitrophenol	ND		253	185		ug/L		73	10 - 120
N-Nitrosodimethylamine	ND		127	77.9		ug/L		61	10 - 139
N-Nitrosodi-n-propylamine	ND		127	85.9		ug/L		68	37 - 124
N-Nitrosodiphenylamine	ND		126	89.7		ug/L		71	10 - 150
Pentachlorophenol	ND		253	236		ug/L		93	29 - 130
Phenol	ND		127	86.0		ug/L		68	10 - 150
Pyridine	ND		253	124		ug/L		49	10 - 120
Quinoline	ND		127	107		ug/L		84	51 - 120
2,4,5-Trichlorophenol	ND		127	94.9		ug/L		75	34 - 120
2,4,6-Trichlorophenol	ND		127	93.8		ug/L		74	33 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*46 - 124*
2-Fluorophenol	*34*		*13 - 113*
Nitrobenzene-d5	*67*		*36 - 126*
Phenol-d5	*55*		*17 - 127*
Terphenyl-d14	*60*		*44 - 149*
2,4,6-Tribromophenol	*75*		*26 - 150*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198050-3 MSD
Matrix: Water
Analysis Batch: 517182

Client Sample ID: MW3-ROX-010821-MSD
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND		125	65.9		ug/L		53	10 - 120	18	63
Benzoic acid	ND		521	354		ug/L		68	10 - 149	17	49
Benzyl alcohol	ND		125	78.1		ug/L		63	33 - 120	11	37
Bis(2-chloroethoxy)methane	ND		125	74.0		ug/L		59	26 - 120	9	70
Bis(2-chloroethyl)ether	ND		125	78.5		ug/L		63	42 - 120	10	42
bis (2-chloroisopropyl) ether	ND		125	72.2		ug/L		58	28 - 120	10	41
Bis(2-ethylhexyl) phthalate	ND		125	70.2		ug/L		56	39 - 120	13	35
4-Bromophenyl phenyl ether	ND		125	79.0		ug/L		63	40 - 120	13	30
Butyl benzyl phthalate	ND		125	77.3		ug/L		62	45 - 120	12	32
4-Chloroaniline	ND		125	51.0		ug/L		41	10 - 120	14	94
4-Chloro-3-methylphenol	ND		125	74.0		ug/L		59	34 - 120	12	40
2-Chloronaphthalene	ND		125	78.9		ug/L		63	39 - 120	14	29
2-Chlorophenol	ND		125	61.9		ug/L		50	25 - 120	9	42
4-Chlorophenyl phenyl ether	ND		125	84.3		ug/L		68	44 - 120	15	27
Dibenz[a,h]acridine	ND		125	72.8		ug/L		58	50 - 150	17	40
Dibenzofuran	ND		125	79.3		ug/L		64	25 - 130	12	29
3,3'-Dichlorobenzidine	ND		166	80.9		ug/L		49	10 - 120	19	58
2,4-Dichlorophenol	ND		125	69.1		ug/L		55	31 - 120	16	43
Diethyl phthalate	ND		125	80.0		ug/L		64	46 - 120	13	40
2,4-Dimethylphenol	ND		125	72.1		ug/L		58	21 - 120	14	47
Dimethyl phthalate	ND		125	79.1		ug/L		64	38 - 120	15	36
Di-n-butyl phthalate	ND		125	83.1		ug/L		67	49 - 120	12	32
4,6-Dinitro-ortho-cresol	ND		249	192		ug/L		77	25 - 120	14	42
2,4-Dinitrophenol	ND		249	241		ug/L		97	15 - 140	13	36
2,4-Dinitrotoluene	ND		125	88.6		ug/L		71	53 - 120	13	28
2,6-Dinitrotoluene	ND		125	82.2		ug/L		66	43 - 120	14	28
Di-n-octyl phthalate	ND		125	81.8		ug/L		66	35 - 121	11	35
1,4-Dioxane	ND	F1	125	31.8	F1	ug/L		26	50 - 150	14	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		125	71.9		ug/L		58	50 - 150	14	40
Hexachlorobenzene	ND		125	79.2		ug/L		64	38 - 122	13	33
Hexachlorocyclopentadiene	ND		125	77.9		ug/L		63	10 - 120	14	50
Hexachloroethane	ND		125	69.6		ug/L		56	10 - 150	11	41
Indene	ND		125	79.8		ug/L		64	50 - 150	10	40
Isophorone	ND		125	75.4		ug/L		61	42 - 120	11	33
2-Methylphenol	ND		125	65.3		ug/L		52	28 - 120	15	47
3 & 4 Methylphenol	ND		125	61.7		ug/L		50	31 - 120	13	47
2-Nitroaniline	ND		125	78.3		ug/L		63	45 - 120	15	33
3-Nitroaniline	ND		125	71.7		ug/L		58	10 - 130	16	39
4-Nitroaniline	ND		125	76.5		ug/L		61	10 - 132	17	50
Nitrobenzene	ND		125	73.6		ug/L		59	39 - 120	9	35
2-Nitrophenol	ND		125	74.7		ug/L		60	33 - 120	11	43
4-Nitrophenol	ND		249	156		ug/L		63	10 - 120	17	82
N-Nitrosodimethylamine	ND		125	67.5		ug/L		54	10 - 139	14	62
N-Nitrosodi-n-propylamine	ND		125	77.5		ug/L		62	37 - 124	10	36
N-Nitrosodiphenylamine	ND		124	77.7		ug/L		63	10 - 150	14	34
Pentachlorophenol	ND		249	203		ug/L		82	29 - 130	15	42
Phenol	ND		125	75.6		ug/L		61	10 - 150	13	52
Pyridine	ND		249	114		ug/L		46	10 - 120	9	55

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198050-3 MSD — **Client Sample ID: MW3-ROX-010821-MSD**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 517182 — **Prep Batch: 517023**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Quinoline	ND		125	92.3		ug/L		74	51 - 120	15	40
2,4,5-Trichlorophenol	ND		125	81.0		ug/L		65	34 - 120	16	42
2,4,6-Trichlorophenol	ND		125	78.9		ug/L		63	33 - 120	17	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*46 - 124*
2-Fluorophenol	*36*		*13 - 113*
Nitrobenzene-d5	*62*		*36 - 126*
Phenol-d5	*49*		*17 - 127*
Terphenyl-d14	*52*		*44 - 149*
2,4,6-Tribromophenol	*67*		*26 - 150*

Lab Sample ID: 400-198050-8 MS — **Client Sample ID: P114R-ROX-010821-MS**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 517182 — **Prep Batch: 517023**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND		113	59.7		ug/L		53	10 - 120
Benzoic acid	ND		473	493		ug/L		104	10 - 149
Benzyl alcohol	ND		113	82.8		ug/L		73	33 - 120
Bis(2-chloroethoxy)methane	ND		113	70.5		ug/L		62	26 - 120
Bis(2-chloroethyl)ether	ND		113	72.6		ug/L		64	42 - 120
bis (2-chloroisopropyl) ether	ND		113	69.7		ug/L		62	28 - 120
Bis(2-ethylhexyl) phthalate	ND		113	70.5		ug/L		62	39 - 120
4-Bromophenyl phenyl ether	ND		113	82.9		ug/L		73	40 - 120
Butyl benzyl phthalate	ND		113	77.9		ug/L		69	45 - 120
4-Chloroaniline	ND		113	36.4		ug/L		32	10 - 120
4-Chloro-3-methylphenol	ND		113	83.3		ug/L		74	34 - 120
2-Chloronaphthalene	ND		113	76.2		ug/L		67	39 - 120
2-Chlorophenol	ND		113	74.9		ug/L		66	25 - 120
4-Chlorophenyl phenyl ether	ND		113	88.7		ug/L		78	44 - 120
Dibenz[a,h]acridine	ND		113	69.7		ug/L		62	50 - 150
Dibenzofuran	ND		113	82.1		ug/L		73	25 - 130
3,3'-Dichlorobenzidine	ND	F1	151	ND	F1	ug/L		0	10 - 120
2,4-Dichlorophenol	ND		113	79.2		ug/L		70	31 - 120
Diethyl phthalate	ND		113	84.4		ug/L		75	46 - 120
2,4-Dimethylphenol	ND		113	75.9		ug/L		67	21 - 120
Dimethyl phthalate	ND		113	83.3		ug/L		74	38 - 120
Di-n-butyl phthalate	ND		113	84.6		ug/L		75	49 - 120
4,6-Dinitro-ortho-cresol	ND		226	219		ug/L		97	25 - 120
2,4-Dinitrophenol	ND		226	282		ug/L		125	15 - 140
2,4-Dinitrotoluene	ND		113	91.5		ug/L		81	53 - 120
2,6-Dinitrotoluene	ND		113	84.6		ug/L		75	43 - 120
Di-n-octyl phthalate	ND		113	83.5		ug/L		74	35 - 121
1,4-Dioxane	ND	F1	113	36.8	F1	ug/L		33	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND		113	71.8		ug/L		64	50 - 150
Hexachlorobenzene	ND		113	84.0		ug/L		74	38 - 122
Hexachlorocyclopentadiene	ND		113	80.6		ug/L		71	10 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198050-8 MS
Matrix: Water
Analysis Batch: 517182

Client Sample ID: P114R-ROX-010821-MS
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachloroethane	ND		113	73.2		ug/L		65	10 - 150
Indene	ND		113	79.5		ug/L		70	50 - 150
Isophorone	ND		113	72.9		ug/L		65	42 - 120
2-Methylphenol	ND		113	72.7		ug/L		64	28 - 120
3 & 4 Methylphenol	ND		113	70.9		ug/L		63	31 - 120
2-Nitroaniline	ND		113	81.7		ug/L		72	45 - 120
3-Nitroaniline	ND		113	54.2		ug/L		48	10 - 130
4-Nitroaniline	ND		113	70.2		ug/L		62	10 - 132
Nitrobenzene	ND		113	70.8		ug/L		63	39 - 120
2-Nitrophenol	ND		113	86.2		ug/L		76	33 - 120
4-Nitrophenol	ND		226	180		ug/L		80	10 - 120
N-Nitrosodimethylamine	ND		113	75.1		ug/L		66	10 - 139
N-Nitrosodi-n-propylamine	ND		113	77.4		ug/L		68	37 - 124
N-Nitrosodiphenylamine	ND		112	80.7		ug/L		72	10 - 150
Pentachlorophenol	ND	F1	226	273		ug/L		121	29 - 130
Phenol	ND		113	86.4		ug/L		76	10 - 150
Pyridine	ND		226	116		ug/L		51	10 - 120
Quinoline	ND		113	92.8		ug/L		82	51 - 120
2,4,5-Trichlorophenol	ND		113	93.2		ug/L		82	34 - 120
2,4,6-Trichlorophenol	ND		113	94.6		ug/L		84	33 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*46 - 124*
2-Fluorophenol	*48*		*13 - 113*
Nitrobenzene-d5	*71*		*36 - 126*
Phenol-d5	*69*		*17 - 127*
Terphenyl-d14	*59*		*44 - 149*
2,4,6-Tribromophenol	*89*		*26 - 150*

Lab Sample ID: 400-198050-8 MSD
Matrix: Water
Analysis Batch: 517182

Client Sample ID: P114R-ROX-010821-MSD
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND		117	66.9		ug/L		57	10 - 120	11	63
Benzoic acid	ND		487	519		ug/L		107	10 - 149	5	49
Benzyl alcohol	ND		117	97.7		ug/L		84	33 - 120	17	37
Bis(2-chloroethoxy)methane	ND		117	82.5		ug/L		71	26 - 120	16	70
Bis(2-chloroethyl)ether	ND		117	89.2		ug/L		77	42 - 120	21	42
bis (2-chloroisopropyl) ether	ND		117	85.9		ug/L		74	28 - 120	21	41
Bis(2-ethylhexyl) phthalate	ND		117	83.0		ug/L		71	39 - 120	16	35
4-Bromophenyl phenyl ether	ND		117	96.0		ug/L		82	40 - 120	15	30
Butyl benzyl phthalate	ND		117	90.9		ug/L		78	45 - 120	15	32
4-Chloroaniline	ND		117	63.0		ug/L		54	10 - 120	54	94
4-Chloro-3-methylphenol	ND		117	94.4		ug/L		81	34 - 120	13	40
2-Chloronaphthalene	ND		117	96.3		ug/L		83	39 - 120	23	29
2-Chlorophenol	ND		117	85.0		ug/L		73	25 - 120	13	42
4-Chlorophenyl phenyl ether	ND		117	103		ug/L		88	44 - 120	14	27

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198050-8 MSD
Matrix: Water
Analysis Batch: 517182

Client Sample ID: P114R-ROX-010821-MSD
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenz[a,h]acridine	ND		117	98.5		ug/L		85	50 - 150	34	40
Dibenzofuran	ND		117	96.3		ug/L		83	25 - 130	16	29
3,3'-Dichlorobenzidine	ND	F1	155	8.84	J F1	ug/L		6	10 - 120	NC	58
2,4-Dichlorophenol	ND		117	89.2		ug/L		77	31 - 120	12	43
Diethyl phthalate	ND		117	100		ug/L		86	46 - 120	17	40
2,4-Dimethylphenol	ND		117	88.6		ug/L		76	21 - 120	15	47
Dimethyl phthalate	ND		117	99.4		ug/L		85	38 - 120	18	36
Di-n-butyl phthalate	ND		117	97.6		ug/L		84	49 - 120	14	32
4,6-Dinitro-ortho-cresol	ND		233	258		ug/L		111	25 - 120	17	42
2,4-Dinitrophenol	ND		233	319		ug/L		137	15 - 140	12	36
2,4-Dinitrotoluene	ND		117	107		ug/L		92	53 - 120	16	28
2,6-Dinitrotoluene	ND		117	98.7		ug/L		85	43 - 120	15	28
Di-n-octyl phthalate	ND		117	95.7		ug/L		82	35 - 121	14	35
1,4-Dioxane	ND	F1	117	36.5	F1	ug/L		31	50 - 150	1	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		117	88.4		ug/L		76	50 - 150	21	40
Hexachlorobenzene	ND		117	96.5		ug/L		83	38 - 122	14	33
Hexachlorocyclopentadiene	ND		117	93.1		ug/L		80	10 - 120	14	50
Hexachloroethane	ND		117	90.1		ug/L		77	10 - 150	21	41
Indene	ND		117	98.7		ug/L		85	50 - 150	22	40
Isophorone	ND		117	86.3		ug/L		74	42 - 120	17	33
2-Methylphenol	ND		117	85.1		ug/L		73	28 - 120	16	47
3 & 4 Methylphenol	ND		117	82.2		ug/L		71	31 - 120	15	47
2-Nitroaniline	ND		117	96.8		ug/L		83	45 - 120	17	33
3-Nitroaniline	ND		117	61.7		ug/L		53	10 - 130	13	39
4-Nitroaniline	ND		117	82.5		ug/L		71	10 - 132	16	50
Nitrobenzene	ND		117	84.7		ug/L		73	39 - 120	18	35
2-Nitrophenol	ND		117	100		ug/L		86	33 - 120	15	43
4-Nitrophenol	ND		233	200		ug/L		86	10 - 120	11	82
N-Nitrosodimethylamine	ND		117	90.5		ug/L		78	10 - 139	19	62
N-Nitrosodi-n-propylamine	ND		117	95.8		ug/L		82	37 - 124	21	36
N-Nitrosodiphenylamine	ND		116	94.6		ug/L		82	10 - 150	16	34
Pentachlorophenol	ND	F1	233	314	F1	ug/L		135	29 - 130	14	42
Phenol	ND		117	99.4		ug/L		85	10 - 150	14	52
Pyridine	ND		233	141		ug/L		61	10 - 120	20	55
Quinoline	ND		117	108		ug/L		93	51 - 120	15	40
2,4,5-Trichlorophenol	ND		117	106		ug/L		91	34 - 120	13	42
2,4,6-Trichlorophenol	ND		117	108		ug/L		92	33 - 120	13	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*46 - 124*
2-Fluorophenol	*51*		*13 - 113*
Nitrobenzene-d5	*78*		*36 - 126*
Phenol-d5	*72*		*17 - 127*
Terphenyl-d14	*62*		*44 - 149*
2,4,6-Tribromophenol	*95*		*26 - 150*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-517023/1-A
Matrix: Water
Analysis Batch: 517184

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.050	0.0080	ug/L		01/11/21 09:10	01/12/21 20:50	1
Acenaphthylene	ND		0.050	0.011	ug/L		01/11/21 09:10	01/12/21 20:50	1
Anthracene	ND		0.050	0.0080	ug/L		01/11/21 09:10	01/12/21 20:50	1
Benzo[a]anthracene	0.0130	J	0.050	0.012	ug/L		01/11/21 09:10	01/12/21 20:50	1
Benzo[a]pyrene	ND		0.050	0.011	ug/L		01/11/21 09:10	01/12/21 20:50	1
Benzo[b]fluoranthene	ND		0.050	0.0085	ug/L		01/11/21 09:10	01/12/21 20:50	1
Benzo[g,h,i]perylene	ND		0.050	0.033	ug/L		01/11/21 09:10	01/12/21 20:50	1
Benzo[k]fluoranthene	ND		0.050	0.025	ug/L		01/11/21 09:10	01/12/21 20:50	1
Chrysene	ND		0.050	0.019	ug/L		01/11/21 09:10	01/12/21 20:50	1
Dibenz(a,h)anthracene	0.0520		0.050	0.013	ug/L		01/11/21 09:10	01/12/21 20:50	1
Fluoranthene	ND		0.050	0.017	ug/L		01/11/21 09:10	01/12/21 20:50	1
Fluorene	ND		0.050	0.028	ug/L		01/11/21 09:10	01/12/21 20:50	1
Indeno[1,2,3-cd]pyrene	0.0210	J	0.050	0.011	ug/L		01/11/21 09:10	01/12/21 20:50	1
1-Methylnaphthalene	ND		0.050	0.019	ug/L		01/11/21 09:10	01/12/21 20:50	1
2-Methylnaphthalene	ND		0.050	0.015	ug/L		01/11/21 09:10	01/12/21 20:50	1
Phenanthrene	ND		0.050	0.0090	ug/L		01/11/21 09:10	01/12/21 20:50	1
Pyrene	ND		0.050	0.010	ug/L		01/11/21 09:10	01/12/21 20:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*15 - 122*	*01/11/21 09:10*	*01/12/21 20:50*	*1*
Nitrobenzene-d5	*62*		*19 - 130*	*01/11/21 09:10*	*01/12/21 20:50*	*1*
Terphenyl-d14	*75*		*33 - 138*	*01/11/21 09:10*	*01/12/21 20:50*	*1*

Lab Sample ID: LCS 400-517023/2-A
Matrix: Water
Analysis Batch: 517184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	30.0	29.9		ug/L		100	41 - 120
Acenaphthylene	30.0	30.8		ug/L		103	44 - 120
Anthracene	30.0	30.8		ug/L		103	49 - 120
Benzo[a]anthracene	30.0	29.1		ug/L		97	61 - 135
Benzo[a]pyrene	30.0	29.4		ug/L		98	52 - 120
Benzo[b]fluoranthene	30.0	29.9		ug/L		100	53 - 134
Benzo[g,h,i]perylene	30.0	29.7		ug/L		99	47 - 133
Benzo[k]fluoranthene	30.0	28.7		ug/L		96	57 - 134
Chrysene	30.0	29.1		ug/L		97	55 - 122
Dibenz(a,h)anthracene	30.0	32.8		ug/L		109	48 - 146
Fluoranthene	30.0	31.0		ug/L		103	54 - 128
Fluorene	30.0	31.7		ug/L		106	45 - 125
Indeno[1,2,3-cd]pyrene	30.0	30.2		ug/L		101	43 - 142
1-Methylnaphthalene	30.0	23.4		ug/L		78	41 - 120
2-Methylnaphthalene	30.0	23.9		ug/L		80	32 - 124
Phenanthrene	30.0	30.2		ug/L		101	48 - 120
Pyrene	30.0	28.9		ug/L		96	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*90*		*15 - 122*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-517023/2-A
Matrix: Water
Analysis Batch: 517184

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517023

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	85		19 - 130
Terphenyl-d14	94		33 - 138

Lab Sample ID: LCSD 400-517023/24-A
Matrix: Water
Analysis Batch: 517184

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	30.0	29.3		ug/L		98	41 - 120	2	56
Acenaphthylene	30.0	30.5		ug/L		102	44 - 120	1	56
Anthracene	30.0	30.2		ug/L		101	49 - 120	2	51
Benzo[a]anthracene	30.0	28.3		ug/L		94	61 - 135	3	49
Benzo[a]pyrene	30.0	29.4		ug/L		98	52 - 120	0	50
Benzo[b]fluoranthene	30.0	28.3		ug/L		94	53 - 134	6	54
Benzo[g,h,i]perylene	30.0	29.4		ug/L		98	47 - 133	1	50
Benzo[k]fluoranthene	30.0	30.6		ug/L		102	57 - 134	6	52
Chrysene	30.0	29.1		ug/L		97	55 - 122	0	50
Dibenz(a,h)anthracene	30.0	32.2		ug/L		107	48 - 146	2	50
Fluoranthene	30.0	30.4		ug/L		101	54 - 128	2	52
Fluorene	30.0	31.1		ug/L		104	45 - 125	2	56
Indeno[1,2,3-cd]pyrene	30.0	29.6		ug/L		99	43 - 142	2	51
1-Methylnaphthalene	30.0	23.0		ug/L		77	41 - 120	2	55
2-Methylnaphthalene	30.0	23.5		ug/L		78	32 - 124	2	57
Phenanthrene	30.0	29.9		ug/L		100	48 - 120	1	56
Pyrene	30.0	28.4		ug/L		95	48 - 132	2	52

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	89		15 - 122
Nitrobenzene-d5	84		19 - 130
Terphenyl-d14	91		33 - 138

Lab Sample ID: 400-198050-3 MS
Matrix: Water
Analysis Batch: 517184

Client Sample ID: MW3-ROX-010821-MS
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		127	122		ug/L		97	35 - 113
Acenaphthylene	ND		127	125		ug/L		99	41 - 118
Anthracene	ND		127	125		ug/L		99	45 - 122
Benzo[a]anthracene	0.12	J B	127	118		ug/L		93	55 - 133
Benzo[a]pyrene	0.084	J B	127	120		ug/L		95	50 - 108
Benzo[b]fluoranthene	0.058	J B	127	116		ug/L		91	50 - 128
Benzo[g,h,i]perylene	ND		127	118		ug/L		93	46 - 133
Benzo[k]fluoranthene	ND		127	127		ug/L		100	52 - 128
Chrysene	ND		127	120		ug/L		94	52 - 116
Dibenz(a,h)anthracene	ND		127	126		ug/L		99	52 - 143
Fluoranthene	0.091	J	127	126		ug/L		100	32 - 150
Fluorene	ND		127	130		ug/L		103	15 - 150

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 400-198050-3 MS
Matrix: Water
Analysis Batch: 517184

Client Sample ID: MW3-ROX-010821-MS
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Indeno[1,2,3-cd]pyrene	ND		127	117		ug/L		92	41 - 141
1-Methylnaphthalene	ND		127	91.3		ug/L		72	10 - 150
2-Methylnaphthalene	ND		127	93.3		ug/L		74	10 - 150
Phenanthrene	ND		127	124		ug/L		98	36 - 125
Pyrene	0.052	J	127	119		ug/L		94	41 - 127

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*15 - 122*
Nitrobenzene-d5	*66*		*19 - 130*
Terphenyl-d14	*89*		*33 - 138*

Lab Sample ID: 400-198050-3 MSD
Matrix: Water
Analysis Batch: 517184

Client Sample ID: MW3-ROX-010821-MSD
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		125	103		ug/L		83	35 - 113	17	49
Acenaphthylene	ND		125	108		ug/L		87	41 - 118	15	48
Anthracene	ND		125	111		ug/L		89	45 - 122	12	56
Benzo[a]anthracene	0.12	J B	125	102		ug/L		81	55 - 133	15	57
Benzo[a]pyrene	0.084	J B	125	106		ug/L		85	50 - 108	12	59
Benzo[b]fluoranthene	0.058	J B	125	101		ug/L		81	50 - 128	13	62
Benzo[g,h,i]perylene	ND		125	103		ug/L		83	46 - 133	13	58
Benzo[k]fluoranthene	ND		125	108		ug/L		87	52 - 128	16	58
Chrysene	ND		125	102		ug/L		82	52 - 116	16	59
Dibenz(a,h)anthracene	ND		125	111		ug/L		89	52 - 143	13	60
Fluoranthene	0.091	J	125	106		ug/L		85	32 - 150	17	59
Fluorene	ND		125	107		ug/L		86	15 - 150	20	49
Indeno[1,2,3-cd]pyrene	ND		125	102		ug/L		82	41 - 141	14	58
1-Methylnaphthalene	ND		125	85.3		ug/L		68	10 - 150	7	66
2-Methylnaphthalene	ND		125	87.7		ug/L		70	10 - 150	6	66
Phenanthrene	ND		125	106		ug/L		85	36 - 125	15	69
Pyrene	0.052	J	125	99.8		ug/L		80	41 - 127	17	58

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*77*		*15 - 122*
Nitrobenzene-d5	*76*		*19 - 130*
Terphenyl-d14	*76*		*33 - 138*

Lab Sample ID: 400-198050-8 MS
Matrix: Water
Analysis Batch: 517312

Client Sample ID: P114R-ROX-010821-MS
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		113	103		ug/L		91	35 - 113
Acenaphthylene	ND		113	105		ug/L		93	41 - 118
Anthracene	ND		113	112		ug/L		99	45 - 122
Benzo[a]anthracene	ND		113	101		ug/L		89	55 - 133

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 400-198050-8 MS
Matrix: Water
Analysis Batch: 517312

Client Sample ID: P114R-ROX-010821-MS
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	ND		113	103		ug/L		91	50 - 108
Benzo[b]fluoranthene	ND		113	98.6		ug/L		87	50 - 128
Benzo[g,h,i]perylene	ND		113	121		ug/L		107	46 - 133
Benzo[k]fluoranthene	ND		113	101		ug/L		89	52 - 128
Chrysene	ND		113	101		ug/L		89	52 - 116
Dibenz(a,h)anthracene	ND		113	123		ug/L		109	52 - 143
Fluoranthene	ND		113	95.3		ug/L		84	32 - 150
Fluorene	ND		113	103		ug/L		91	15 - 150
Indeno[1,2,3-cd]pyrene	ND		113	115		ug/L		101	41 - 141
1-Methylnaphthalene	ND		113	88.6		ug/L		78	10 - 150
2-Methylnaphthalene	ND		113	89.2		ug/L		79	10 - 150
Phenanthrene	ND		113	111		ug/L		98	36 - 125
Pyrene	ND		113	102		ug/L		91	41 - 127

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*85*		*15 - 122*
Nitrobenzene-d5	*64*		*19 - 130*
Terphenyl-d14	*87*		*33 - 138*

Lab Sample ID: 400-198050-8 MSD
Matrix: Water
Analysis Batch: 517312

Client Sample ID: P114R-ROX-010821-MSD
Prep Type: Total/NA
Prep Batch: 517023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		117	107		ug/L		92	35 - 113	4	49
Acenaphthylene	ND		117	110		ug/L		95	41 - 118	5	48
Anthracene	ND		117	110		ug/L		95	45 - 122	1	56
Benzo[a]anthracene	ND		117	98.8		ug/L		85	55 - 133	2	57
Benzo[a]pyrene	ND		117	102		ug/L		87	50 - 108	1	59
Benzo[b]fluoranthene	ND		117	103		ug/L		88	50 - 128	4	62
Benzo[g,h,i]perylene	ND		117	119		ug/L		102	46 - 133	2	58
Benzo[k]fluoranthene	ND		117	106		ug/L		91	52 - 128	5	58
Chrysene	ND		117	99.3		ug/L		85	52 - 116	2	59
Dibenz(a,h)anthracene	ND		117	124		ug/L		107	52 - 143	1	60
Fluoranthene	ND		117	99.6		ug/L		85	32 - 150	4	59
Fluorene	ND		117	108		ug/L		92	15 - 150	4	49
Indeno[1,2,3-cd]pyrene	ND		117	116		ug/L		99	41 - 141	1	58
1-Methylnaphthalene	ND		117	96.6		ug/L		83	10 - 150	9	66
2-Methylnaphthalene	ND		117	97.8		ug/L		84	10 - 150	9	66
Phenanthrene	ND		117	109		ug/L		93	36 - 125	2	69
Pyrene	ND		117	100		ug/L		86	41 - 127	2	58

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*90*		*15 - 122*
Nitrobenzene-d5	*84*		*19 - 130*
Terphenyl-d14	*75*		*33 - 138*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 400-517471/1-A
Matrix: Water
Analysis Batch: 517696

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517471

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		01/14/21 13:41	01/18/21 14:45	1
Acenaphthylene	ND		0.20	0.045	ug/L		01/14/21 13:41	01/18/21 14:45	1
Anthracene	ND		0.20	0.032	ug/L		01/14/21 13:41	01/18/21 14:45	1
Benzo[a]anthracene	0.0973	J	0.20	0.046	ug/L		01/14/21 13:41	01/18/21 14:45	1
Benzo[a]pyrene	0.0680	J	0.20	0.042	ug/L		01/14/21 13:41	01/18/21 14:45	1
Benzo[b]fluoranthene	0.0550	J	0.20	0.034	ug/L		01/14/21 13:41	01/18/21 14:45	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		01/14/21 13:41	01/18/21 14:45	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		01/14/21 13:41	01/18/21 14:45	1
Chrysene	ND		0.20	0.074	ug/L		01/14/21 13:41	01/18/21 14:45	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		01/14/21 13:41	01/18/21 14:45	1
Fluoranthene	ND		0.20	0.068	ug/L		01/14/21 13:41	01/18/21 14:45	1
Fluorene	ND		0.20	0.11	ug/L		01/14/21 13:41	01/18/21 14:45	1
Indeno[1,2,3-cd]pyrene	0.0552	J	0.20	0.043	ug/L		01/14/21 13:41	01/18/21 14:45	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		01/14/21 13:41	01/18/21 14:45	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		01/14/21 13:41	01/18/21 14:45	1
Phenanthrene	ND		0.20	0.036	ug/L		01/14/21 13:41	01/18/21 14:45	1
Pyrene	ND		0.20	0.040	ug/L		01/14/21 13:41	01/18/21 14:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*15 - 122*	*01/14/21 13:41*	*01/18/21 14:45*	*1*
Nitrobenzene-d5	*103*		*19 - 130*	*01/14/21 13:41*	*01/18/21 14:45*	*1*
Terphenyl-d14	*117*		*33 - 138*	*01/14/21 13:41*	*01/18/21 14:45*	*1*

Lab Sample ID: LCS 400-517471/2-A
Matrix: Water
Analysis Batch: 517696

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517471

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	107		ug/L		89	41 - 120
Acenaphthylene	120	109		ug/L		91	44 - 120
Anthracene	120	113		ug/L		94	49 - 120
Benzo[a]anthracene	120	114		ug/L		95	61 - 135
Benzo[a]pyrene	120	124		ug/L		103	52 - 120
Benzo[b]fluoranthene	120	122		ug/L		102	53 - 134
Benzo[g,h,i]perylene	120	129		ug/L		108	47 - 133
Benzo[k]fluoranthene	120	119		ug/L		99	57 - 134
Chrysene	120	111		ug/L		92	55 - 122
Dibenz(a,h)anthracene	120	131		ug/L		109	48 - 146
Fluoranthene	120	114		ug/L		95	54 - 128
Fluorene	120	111		ug/L		92	45 - 125
Indeno[1,2,3-cd]pyrene	120	124		ug/L		103	43 - 142
1-Methylnaphthalene	120	97.9		ug/L		82	41 - 120
2-Methylnaphthalene	120	99.2		ug/L		83	32 - 124
Phenanthrene	120	114		ug/L		95	48 - 120
Pyrene	120	117		ug/L		97	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*15 - 122*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-517471/2-A
Matrix: Water
Analysis Batch: 517696

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517471

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	105		19 - 130
Terphenyl-d14	88		33 - 138

Lab Sample ID: LCSD 400-517471/3-A
Matrix: Water
Analysis Batch: 517696

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517471

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	120	122		ug/L		101	41 - 120	13	56
Acenaphthylene	120	124		ug/L		103	44 - 120	12	56
Anthracene	120	127		ug/L		106	49 - 120	12	51
Benzo[a]anthracene	120	125		ug/L		104	61 - 135	10	49
Benzo[a]pyrene	120	137		ug/L		114	52 - 120	10	50
Benzo[b]fluoranthene	120	135		ug/L		112	53 - 134	10	54
Benzo[g,h,i]perylene	120	139		ug/L		116	47 - 133	7	50
Benzo[k]fluoranthene	120	136		ug/L		113	57 - 134	13	52
Chrysene	120	122		ug/L		102	55 - 122	10	50
Dibenz(a,h)anthracene	120	146		ug/L		122	48 - 146	11	50
Fluoranthene	120	129		ug/L		108	54 - 128	12	52
Fluorene	120	128		ug/L		107	45 - 125	14	56
Indeno[1,2,3-cd]pyrene	120	138		ug/L		115	43 - 142	10	51
1-Methylnaphthalene	120	108		ug/L		90	41 - 120	10	55
2-Methylnaphthalene	120	108		ug/L		90	32 - 124	8	57
Phenanthrene	120	129		ug/L		108	48 - 120	13	56
Pyrene	120	129		ug/L		108	48 - 132	10	52

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	90		15 - 122
Nitrobenzene-d5	105		19 - 130
Terphenyl-d14	94		33 - 138

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-517124/1-A
Matrix: Water
Analysis Batch: 517153

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517124

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/12/21 08:52	01/12/21 12:03	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/12/21 08:52	01/12/21 12:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		51 - 149	01/12/21 08:52	01/12/21 12:03	1

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCS 400-517124/2-A
Matrix: Water
Analysis Batch: 517153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517124

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.124		ug/L		123	60 - 140
1,2-Dibromoethane	0.101	0.122		ug/L		121	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*51 - 149*

Lab Sample ID: LCSD 400-517124/3-A
Matrix: Water
Analysis Batch: 517153

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517124

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.101	0.121		ug/L		121	60 - 140	2	30
1,2-Dibromoethane	0.101	0.118		ug/L		117	60 - 140	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*51 - 149*

Lab Sample ID: 400-198050-3 MS
Matrix: Water
Analysis Batch: 517153

Client Sample ID: MW3-ROX-010821-MS
Prep Type: Total/NA
Prep Batch: 517124

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND		0.101	0.128		ug/L		126	65 - 135
1,2-Dibromoethane	ND	F1	0.102	0.145	F1	ug/L		143	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*105*	*p*	*51 - 149*

Lab Sample ID: 400-198050-3 MSD
Matrix: Water
Analysis Batch: 517153

Client Sample ID: MW3-ROX-010821-MSD
Prep Type: Total/NA
Prep Batch: 517124

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND		0.103	0.131		ug/L		127	65 - 135	2	20
1,2-Dibromoethane	ND	F1	0.103	0.145	F1	ug/L		141	65 - 135	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*	*p*	*51 - 149*

Lab Sample ID: MB 400-517551/1-A
Matrix: Water
Analysis Batch: 517591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517551

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/15/21 10:02	01/15/21 13:50	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/15/21 10:02	01/15/21 13:50	1

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: MB 400-517551/1-A
Matrix: Water
Analysis Batch: 517591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517551

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		51 - 149	01/15/21 10:02	01/15/21 13:50	1

Lab Sample ID: LCS 400-517551/2-A
Matrix: Water
Analysis Batch: 517591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517551

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.129		ug/L		129	60 - 140
1,2-Dibromoethane	0.101	0.121		ug/L		120	60 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	102		51 - 149

Lab Sample ID: LCSD 400-517551/3-A
Matrix: Water
Analysis Batch: 517591

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517551

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.101	0.130		ug/L		130	60 - 140	1	30
1,2-Dibromoethane	0.101	0.119		ug/L		118	60 - 140	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	103		51 - 149

Lab Sample ID: 400-198050-8 MS
Matrix: Water
Analysis Batch: 517591

Client Sample ID: P114R-ROX-010821-MS
Prep Type: Total/NA
Prep Batch: 517551

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND		0.102	0.118		ug/L		116	65 - 135
1,2-Dibromoethane	ND		0.103	0.123		ug/L		120	65 - 135

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	105	p	51 - 149

Lab Sample ID: 400-198050-8 MSD
Matrix: Water
Analysis Batch: 517591

Client Sample ID: P114R-ROX-010821-MSD
Prep Type: Total/NA
Prep Batch: 517551

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND		0.105	0.130		ug/L		123	65 - 135	9	20
1,2-Dibromoethane	ND		0.106	0.122		ug/L		115	65 - 135	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	92	p	51 - 149

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))

☐ Other Lab Vendor # 1364589 (TestAmerica))

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL

☐ CHEMICALS ☐ CONSULTANT ☐ LUBES

☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES_____

Print Bill To Contact Name:	PlaNet Site or Project ID
Bob Mooshegian	25278
PO #	GSAP Project ID
60648474 – 3.2.1F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES DATE: 1-8-21

PAGE: 1 of 2

SAMPLING COMPANY: AECOM

LOG CODE:

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington

TELEPHONE: 314-429-0100 FAX: 314-429-0462

Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60648474 – 3.2.1F

EDF DELIVERABLE TO (Name, Company, Office Location): Elizabeth Kunkel, AECOM, St. Louis, MO; Melissa Remiger, Bob Billman, Wendy Pennington

PHONE NO: 314-802-1171; 314-449-2913; 314-802-1122

E-MAIL: elizabeth.kunkel@aecom.com, melissa.remiger@aecom.com, bob.billman@aecom.com, wendy.pennington@aecom.com

AECOM Other ID

SAMPLER NAME(S) (Print): MD'Angelo JMayer

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS): ☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

- Please include "J" values on Reports
- Please provide sample receipt upon login

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
NON-UNIT COST
60648474 – 3.2.1F

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL
	TB-ROX-010821-8260-A	1-8-21	0000	Water	2					2	X			
	TB-ROX-010821-8011-A		0000		2					2			X	
	MW3-ROX-010821		0940		6			2		8	X	X	X	X
	MW3-ROX-010821-MS		0940		6			2		8	X	X	X	X
	MW3-ROX-010821-MSD		0940		6			2		8	X	X	X	X
	ROST3MW-ROX-010821		1110		6			2		8	X	X	X	X
	MW26-ROX-010821		1215		6			2		8	X	X	X	X

400-198050 COC

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

MD'Angelo 1/8/21

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
MD'Angelo	Fedex: 9345 4056 8423 / ~~9345 4056 8445~~ 9345 4056 8434 MD 1/8	1-8-21	1600
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	1-9-21	0914

Version: 14Dec15

0.7, 0.8°C IR9.

CUSTODY SEALS - 1450583 / 1450582 1450579 / 1450578

~~1450581 / 1450580~~ MD 1/8

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1/25/2021

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))

☐ Other Lab Vendor # 1364589 (TestAmerica))

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL

☐ CHEMICALS ☐ CONSULTANT ☐ LUBES

☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES_____

Print Bill To Contact Name:	PlaNet Site or Project ID
Bob Mooshegian	25278
PO #	GSAP Project ID
60648474 – 3.2.1F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES DATE: 1-8-21

PAGE: 2 of 2

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS. Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60648474 – 3.2.1F

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name Company Office Location): Elizabeth Kunkel, AECOM, St. Louis, MO; Melissa Remiger, Bob Billman, Wendy Pennington

PHONE NO: 314-802-1171; 314-449-2913; 314-802-1122

E-MAIL: elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; bob.billman@aecom.com; wendy.pennington@aecom.com

AECOM Other ID:

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com

SAMPLER NAME(S) (Print): B Howell A Oliver

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):

☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

* Please include "J" values on Reports
* Please provide sample receipt upon login

☑ SHELL CONTRACT RATE APPLIES

☐ STATE REIMBURSEMENT RATE APPLIES

☐ EDD NOT NEEDED

☑ RECEIPT VERIFICATION REQUESTED

☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

NON-UNIT COST 60648474 – 3.2.1F

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL
	TB-ROX-010821-8260-B	1/8/21	0000	WATER	2					2	X			
	TB-ROX-010821-8011-B		0000		2					2			X	
	P114R-ROX-010821		1030		6			2		8	X	X	X	X
	P114R-ROX-010821-MS		1030		6			2		8	X	X	X	X
	P114R-ROX-010821-MSD		1030		6			2		8	X	X	X	X
	MW13-ROX-010821		1130		6			2		8	X	X	X	X
	MW27-ROX-010821		1250		6			2		8	X	X	X	X

Page 90 of 89

Relinquished by (Signature): A Oliver

Received by (Signature): Fedex: SEE pg 1

Date: 1-8-21 Time: 1600

Relinquished by (Signature):

Received by (Signature):

Date: Time:

Relinquished by (Signature):

Received by (Signature):

Date: 1-9-21 Time: 0914

Version: 14Dec15

1/29/2021

3.3, 0.8°C

CR9

CUSTODY SEALS – SEE pg 1

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-198050-1

Login Number: 198050
List Number: 1
Creator: Whitley, Adrian

List Source: Eurofins TestAmerica, Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.3, 0.8°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198050-1

Laboratory: Eurofins TestAmerica, Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-21
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-02-21
California	State	2510	06-30-21
Florida	NELAP	E81010	06-30-21
Georgia	State	E81010(FL)	06-30-21
Illinois	NELAP	200041	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-21
Kentucky (UST)	State	53	06-30-21
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-21
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-21
Michigan	State	9912	06-30-21
New Jersey	NELAP	FL006	06-30-21
New York	NELAP	12115	04-01-21
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810-186	08-31-21
Pennsylvania	NELAP	68-00467	01-31-21
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026002	06-30-21
Tennessee	State	TN02907	06-30-21
Texas	NELAP	T104704286	09-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-21
Washington	State	C915	05-15-21
West Virginia DEP	State	136	06-30-21

Roxana Groundwater Quarterly – 1st Quarter 2021 Data Review

Laboratory SDG: 400-198100-1-Rev. 1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 2/2/2021

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2017

Sample Identification	Sample Identification
TB-ROX-011121-8260-A	TB-ROX-011121-8011-A
MW5-ROX-011121	P54-ROX-011121
MW24-ROX-011121	TB-ROX-011121-8260-B
TB-ROX-011121-8011-B	MW14-ROX-011121
P66-ROX-011121	P93C-ROX-011121-EB
P93C-ROX-011121	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated 2-butanone was detected in equipment blank P93C-ROX-011121-EB and although not indicated in the laboratory case narrative, several PAHs were also detected in equipment blank P93C-ROX-011121-EB. n-Butylbenzene and several SVOC LCS/LCSD recoveries, and the LCS/LCSD RPD for benzenethiol, were outside evaluation criteria. Several VOC, SVOC, and VOC by 8011 MS/MSD recoveries, and the VOC by 8011 MS/MSD RPD for 1,2-dibromoethane, were outside evaluation criteria in sample P54-ROX-011121. These issues are addressed further in the appropriate sections of this data review. The laboratory report was revised on February 22, 2021 to include laboratory identification of likely carryover contamination of aniline in sample MW14-ROX-011121.

Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.

The cooler receipt form did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

Yes

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration /Amount
P93C-ROX-011121-EB	VOCs	2-Butanone (MEK)	6.2 µg/L
P93C-ROX-011121-EB	PAHs	1-Methylnaphthalene	0.17 µg/L
P93C-ROX-011121-EB	PAHs	2-Methylnaphthalene	0.076 µg/L

Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification. No qualification of data was required.

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-517673/1002	VOCs	n-Butylbenzene	**133**	NA	67-130
LCS 400-517254/2-A	SVOCs	Aniline	**176**	NA	21-120
LCS/LCSD 400-517254/3-A/4-A	SVOCs	Benzenethiol	**3**/49	**178**	10-120/30

Analytical data that required qualification based on LCS/LCSD data are included in the table below. Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Professional judgment was used to qualify, however not reject, data associated with benzenethiol; benzenethiol has been identified as a poor performing analyte under Method 8270.

Sample ID	Parameter	Analyte	Qualification
MW5-ROX-011121	SVOCs	Benzenethiol	**UJ**
P54-ROX-011121	SVOCs	Benzenethiol	**UJ**
MW24-ROX-011121	SVOCs	Benzenethiol	**UJ**
MW14-ROX-011121	SVOCs	Benzenethiol	**UJ**
P66-ROX-011121	SVOCs	Benzenethiol	**UJ**
P93C-ROX-011121	SVOCs	Benzenethiol	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

Yes, sample P54-ROX-011121 was spiked and analyzed for VOCs, SVOCs, PAHs, and VOCs by 8011.

Were MS/MSD recoveries within evaluation criteria?

No

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
P54-ROX-011121	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-150/50
P54-ROX-011121	SVOCs	Aniline	**137**/86	47	10-120/63
P54-ROX-011121	VOCs by 8011	1,2-Dibromo-3-chloropropane	131/**140**	9	65-135/20
P54-ROX-011121	VOCs by 8011	1,2-Dibromoethane	119/124	**48**	65-135/20

Analytical data that required qualification based on MS/MSD data are included in the table below. Analytical data reported as non-detect and associated with MS/MSD recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Sample ID	Parameter	Analyte	Qualification
P54-ROX-011121	VOCs	2-Chloroethyl vinyl ether	**UJ**

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

No

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; samples analyzed did not require dilution.

12.0 Additional Qualifications

Were additional qualifications applied?

Yes, the aniline result for sample MW14-ROX-011121 was rejected. The laboratory indicated likely aniline carryover contamination from another client's sample within the same preparatory batch for sample MW14-ROX-0111221. By using this information together with the absence of aniline detections in both current and historical samples, professional judgment was applied to reject the aniline result in MW14-ROX-011121 as summarized in the table below.

Sample ID	Parameter	Analyte	Qualification
MW14-ROX-011121	SVOCs	Aniline	**R**

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ANALYTICAL REPORT

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-198100-1
Client Project/Site: ROXANA QUARTERLY GW

For:
AECOM Technical Services Inc.
100 N. Broadway
20th Floor
St. Louis, Missouri 63102

Attn: Elizabeth Kunkel

Authorized for release by:
1/25/2021 2:32:37 PM

Leah Klingensmith, Senior Project Manager
(615)301-5038
Leah.Klingensmith@Eurofinset.com

Reviewed 2/2/2021 LR

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 400-198100-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-198100-1

Comments
No additional comments.

Receipt
The samples were received on 1/12/2021 10:48 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.6° C and 3.0° C.

GC/MS VOA
Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-517673 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260B: The RPD for the MS/MSD for 2-chloroethyl vinyl ether was not calculable for analytical batch 400-517673 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

Method 8260B: The laboratory control sample (LCS) for analytical batch 400-517673 recovered outside control limits for the following analytes: n-Butylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-011121-8260-A (400-198100-1), MW5-ROX-011121 (400-198100-3), P54-ROX-011121 (400-198100-4), MW24-ROX-011121 (400-198100-5), TB-ROX-011121-8260-B (400-198100-6), MW14-ROX-011121 (400-198100-8), P66-ROX-011121 (400-198100-9), P93C-ROX-011121-EB (400-198100-10) and P93C-ROX-011121 (400-198100-11). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

Method 8260B: Sample P93C-ROX-011121-EB (400-198100-10) contained 2-Butanone (MEK) above the method detection limit (MDL). This target analyte concentration was confirmed by re-analysis of a different container.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 400-517448 recovered above the upper control limit for Aniline. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270D: The laboratory control sample (LCS) for preparation batch 400-517254 and analytical batch 400-517448 recovered outside control limits for the following analyte(s): Benzenethiol. Benzenethiol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for these analyte(s). These results have been reported and qualified.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-517254 and analytical batch 400-517448 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The matrix spike (MS) recoveries for preparation batch 400-517254 and analytical batch 400-517448 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8270D: The following analyte(s) recovered outside control limits for the LCS associated with preparation batch 400-517254 and analytical batch 400-517448: Aniline. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 400-198100-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

GC Semi VOA

Method 8011: The continuing calibration verification (CCV) associated with batch 400-517591 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane and 1,2-Dibromoethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8011: The matrix spike duplicate (MSD) recoveries for preparation batch 400-517551 and analytical batch 400-517591 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8011: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 400-517551 and analytical batch 400-517591 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8011: The continuing calibration verification (CCV) associated with batch 400-517997 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8011: The continuing calibration verification (CCV) associated with batch 400-517997 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane and 1,2-Dibromoethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198100-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-198100-1	TB-ROX-011121-8260-A	Water	01/11/21 00:00	01/12/21 10:48	
400-198100-2	TB-ROX-011121-8011-A	Water	01/11/21 00:00	01/12/21 10:48	
400-198100-3	MW5-ROX-011121	Water	01/11/21 09:20	01/12/21 10:48	
400-198100-4	P54-ROX-011121	Water	01/11/21 10:50	01/12/21 10:48	
400-198100-5	MW24-ROX-011121	Water	01/11/21 12:15	01/12/21 10:48	
400-198100-6	TB-ROX-011121-8260-B	Water	01/11/21 00:00	01/12/21 10:48	
400-198100-7	TB-ROX-011121-8011-B	Water	01/11/21 00:00	01/12/21 10:48	
400-198100-8	MW14-ROX-011121	Water	01/11/21 10:15	01/12/21 10:48	
400-198100-9	P66-ROX-011121	Water	01/11/21 11:05	01/12/21 10:48	
400-198100-10	P93C-ROX-011121-EB	Water	01/11/21 12:30	01/12/21 10:48	
400-198100-11	P93C-ROX-011121	Water	01/11/21 13:10	01/12/21 10:48	

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198100-1

Client Sample ID: TB-ROX-011121-8260-A — Lab Sample ID: 400-198100-1

No Detections.

Client Sample ID: TB-ROX-011121-8011-A — Lab Sample ID: 400-198100-2

No Detections.

Client Sample ID: MW5-ROX-011121 — Lab Sample ID: 400-198100-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	2.0		1.0	0.74	ug/L	1		8260B	Total/NA
tert-Butylbenzene	2.5		1.0	0.63	ug/L	1		8260B	Total/NA
Benzo[a]anthracene	0.089	J	0.21	0.047	ug/L	1		8270D LL	Total/NA
Benzo[a]pyrene	0.070	J	0.21	0.043	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	0.044	J	0.21	0.035	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.086	J	0.21	0.070	ug/L	1		8270D LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.044	J	0.21	0.044	ug/L	1		8270D LL	Total/NA
Pyrene	0.041	J	0.21	0.041	ug/L	1		8270D LL	Total/NA

Client Sample ID: P54-ROX-011121 — Lab Sample ID: 400-198100-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.093	J	0.21	0.049	ug/L	1		8270D LL	Total/NA
Benzo[a]pyrene	0.057	J	0.21	0.045	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	0.036	J	0.21	0.036	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.074	J	0.21	0.072	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW24-ROX-011121 — Lab Sample ID: 400-198100-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.066	J	0.21	0.048	ug/L	1		8270D LL	Total/NA
Benzo[a]pyrene	0.052	J	0.21	0.044	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.075	J	0.21	0.071	ug/L	1		8270D LL	Total/NA

Client Sample ID: TB-ROX-011121-8260-B — Lab Sample ID: 400-198100-6

No Detections.

Client Sample ID: TB-ROX-011121-8011-B — Lab Sample ID: 400-198100-7

No Detections.

Client Sample ID: MW14-ROX-011121 — Lab Sample ID: 400-198100-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.051	J	0.19	0.044	ug/L	1		8270D LL	Total/NA
Aniline	91	*+	9.5	3.6	ug/L	1		8270D	Total/NA

Client Sample ID: P66-ROX-011121 — Lab Sample ID: 400-198100-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene - RA	0.81	J	1.0	0.38	ug/L	1		8260B	Total/NA
Carbon disulfide - RA	1.0		1.0	0.50	ug/L	1		8260B	Total/NA
Chlorobenzene - RA	0.51	J	1.0	0.50	ug/L	1		8260B	Total/NA
Ethylbenzene - RA	0.69	J	1.0	0.50	ug/L	1		8260B	Total/NA
Isopropylbenzene - RA	70		1.0	0.53	ug/L	1		8260B	Total/NA
Naphthalene - RA	20		1.0	1.0	ug/L	1		8260B	Total/NA
n-Butylbenzene - RA	5.6		1.0	0.76	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P66-ROX-011121 (Continued)

Lab Sample ID: 400-198100-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
N-Propylbenzene - RA	110		1.0	0.69	ug/L	1		8260B	Total/NA
o-Xylene - RA	1.0	J	5.0	0.60	ug/L	1		8260B	Total/NA
sec-Butylbenzene - RA	12		1.0	0.70	ug/L	1		8260B	Total/NA
tert-Butylbenzene - RA	5.7		1.0	0.63	ug/L	1		8260B	Total/NA
Toluene - RA	0.50	J	1.0	0.41	ug/L	1		8260B	Total/NA
Acenaphthene	1.0		0.19	0.030	ug/L	1		8270D LL	Total/NA
Acenaphthylene	0.14	J	0.19	0.043	ug/L	1		8270D LL	Total/NA
Anthracene	0.22		0.19	0.030	ug/L	1		8270D LL	Total/NA
Benzo[a]anthracene	0.13	J	0.19	0.044	ug/L	1		8270D LL	Total/NA
Benzo[a]pyrene	0.10	J	0.19	0.040	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	0.071	J	0.19	0.032	ug/L	1		8270D LL	Total/NA
Dibenz(a,h)anthracene	0.17	J	0.19	0.048	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.12	J	0.19	0.065	ug/L	1		8270D LL	Total/NA
Fluorene	1.1		0.19	0.10	ug/L	1		8270D LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.064	J	0.19	0.041	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	58		0.19	0.070	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	24		0.19	0.057	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.40		0.19	0.034	ug/L	1		8270D LL	Total/NA
Pyrene	0.19		0.19	0.038	ug/L	1		8270D LL	Total/NA

Client Sample ID: P93C-ROX-011121-EB

Lab Sample ID: 400-198100-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	6.2	J	25	2.6	ug/L	1		8260B	Total/NA
1-Methylnaphthalene	0.17	J	0.19	0.070	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.076	J	0.19	0.057	ug/L	1		8270D LL	Total/NA

Client Sample ID: P93C-ROX-011121

Lab Sample ID: 400-198100-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	1.1		1.0	0.74	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198100-1

Client Sample ID: TB-ROX-011121-8260-A
Date Collected: 01/11/21 00:00
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/21 14:17	1
Acrolein	ND		20	10	ug/L			01/18/21 14:17	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/21 14:17	1
Benzene	ND		1.0	0.38	ug/L			01/18/21 14:17	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/21 14:17	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/21 14:17	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/21 14:17	1
Bromoform	ND		5.0	0.71	ug/L			01/18/21 14:17	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/21 14:17	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 14:17	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/21 14:17	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/21 14:17	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/21 14:17	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/21 14:17	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/21 14:17	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 14:17	1
Chloroform	ND		1.0	0.60	ug/L			01/18/21 14:17	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/21 14:17	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/21 14:17	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 14:17	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 14:17	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/21 14:17	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/21 14:17	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/21 14:17	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/21 14:17	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 14:17	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 14:17	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 14:17	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 14:17	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 14:17	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 14:17	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/21 14:17	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/21 14:17	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/21 14:17	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/21 14:17	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 14:17	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/21 14:17	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/21 14:17	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/21 14:17	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/21 14:17	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/21 14:17	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/21 14:17	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/21 14:17	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/18/21 14:17	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/21 14:17	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/21 14:17	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/21 14:17	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/21 14:17	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/21 14:17	1

Client Sample ID: TB-ROX-011121-8260-A
Date Collected: 01/11/21 00:00
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/21 14:17	1
Styrene	ND		1.0	1.0	ug/L			01/18/21 14:17	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/21 14:17	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/21 14:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/21 14:17	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/21 14:17	1
Toluene	ND		1.0	0.41	ug/L			01/18/21 14:17	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 14:17	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 14:17	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/21 14:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/21 14:17	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/21 14:17	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/21 14:17	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/21 14:17	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/21 14:17	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/21 14:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/21 14:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/21 14:17	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/21 14:17	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/21 14:17	1
Xylenes, Total	ND		10	1.6	ug/L			01/18/21 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*01/18/21 14:17*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/18/21 14:17*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*01/18/21 14:17*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198100-1

Client Sample ID: TB-ROX-011121-8011-A
Date Collected: 01/11/21 00:00
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-2
Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/15/21 10:02	01/15/21 21:22	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/15/21 10:02	01/15/21 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*110*	*p*	*51 - 149*	*01/15/21 10:02*	*01/15/21 21:22*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198100-1

Client Sample ID: MW5-ROX-011121
Date Collected: 01/11/21 09:20
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/21 14:45	1
Acrolein	ND		20	10	ug/L			01/18/21 14:45	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/21 14:45	1
Benzene	ND		1.0	0.38	ug/L			01/18/21 14:45	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/21 14:45	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/21 14:45	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/21 14:45	1
Bromoform	ND		5.0	0.71	ug/L			01/18/21 14:45	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/21 14:45	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 14:45	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/21 14:45	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/21 14:45	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/21 14:45	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/21 14:45	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/21 14:45	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 14:45	1
Chloroform	ND		1.0	0.60	ug/L			01/18/21 14:45	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/21 14:45	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/21 14:45	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 14:45	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 14:45	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/21 14:45	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/21 14:45	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/21 14:45	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/21 14:45	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 14:45	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 14:45	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 14:45	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 14:45	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 14:45	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 14:45	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/21 14:45	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/21 14:45	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/21 14:45	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/21 14:45	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 14:45	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/21 14:45	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/21 14:45	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/21 14:45	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/21 14:45	1
Methyl tert-butyl ether	**2.0**		1.0	0.74	ug/L			01/18/21 14:45	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/21 14:45	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/21 14:45	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/18/21 14:45	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/21 14:45	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/21 14:45	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/21 14:45	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/21 14:45	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/21 14:45	1

Client Sample ID: MW5-ROX-011121
Date Collected: 01/11/21 09:20
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/21 14:45	1
Styrene	ND		1.0	1.0	ug/L			01/18/21 14:45	1
tert-Butylbenzene	**2.5**		1.0	0.63	ug/L			01/18/21 14:45	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/21 14:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/21 14:45	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/21 14:45	1
Toluene	ND		1.0	0.41	ug/L			01/18/21 14:45	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 14:45	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 14:45	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/21 14:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/21 14:45	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/21 14:45	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/21 14:45	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/21 14:45	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/21 14:45	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/21 14:45	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/21 14:45	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/21 14:45	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/21 14:45	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/21 14:45	1
Xylenes, Total	ND		10	1.6	ug/L			01/18/21 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*01/18/21 14:45*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/18/21 14:45*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*01/18/21 14:45*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.21	0.033	ug/L		01/13/21 08:31	01/14/21 18:04	1
Acenaphthylene	ND		0.21	0.046	ug/L		01/13/21 08:31	01/14/21 18:04	1
Anthracene	ND		0.21	0.033	ug/L		01/13/21 08:31	01/14/21 18:04	1
Benzo[a]anthracene	**0.089**	**J**	0.21	0.047	ug/L		01/13/21 08:31	01/14/21 18:04	1
Benzo[a]pyrene	**0.070**	**J**	0.21	0.043	ug/L		01/13/21 08:31	01/14/21 18:04	1
Benzo[b]fluoranthene	**0.044**	**J**	0.21	0.035	ug/L		01/13/21 08:31	01/14/21 18:04	1
Benzo[g,h,i]perylene	ND		0.21	0.13	ug/L		01/13/21 08:31	01/14/21 18:04	1
Benzo[k]fluoranthene	ND		0.21	0.10	ug/L		01/13/21 08:31	01/14/21 18:04	1
Chrysene	ND		0.21	0.076	ug/L		01/13/21 08:31	01/14/21 18:04	1
Dibenz(a,h)anthracene	ND		0.21	0.051	ug/L		01/13/21 08:31	01/14/21 18:04	1
Fluoranthene	**0.086**	**J**	0.21	0.070	ug/L		01/13/21 08:31	01/14/21 18:04	1
Fluorene	ND		0.21	0.11	ug/L		01/13/21 08:31	01/14/21 18:04	1
Indeno[1,2,3-cd]pyrene	**0.044**	**J**	0.21	0.044	ug/L		01/13/21 08:31	01/14/21 18:04	1
1-Methylnaphthalene	ND		0.21	0.076	ug/L		01/13/21 08:31	01/14/21 18:04	1
2-Methylnaphthalene	ND		0.21	0.062	ug/L		01/13/21 08:31	01/14/21 18:04	1
Phenanthrene	ND		0.21	0.037	ug/L		01/13/21 08:31	01/14/21 18:04	1
Pyrene	**0.041**	**J**	0.21	0.041	ug/L		01/13/21 08:31	01/14/21 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*15 - 122*	*01/13/21 08:31*	*01/14/21 18:04*	*1*
Nitrobenzene-d5	*70*		*19 - 130*	*01/13/21 08:31*	*01/14/21 18:04*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198100-1

Client Sample ID: MW5-ROX-011121
Date Collected: 01/11/21 09:20
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	*48*		*33 - 138*	*01/13/21 08:31*	*01/14/21 18:04*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	*+	10	3.9	ug/L		01/13/21 08:31	01/14/21 15:39	1
Benzenethiol	ND	*- *1	10	1.7	ug/L		01/13/21 08:31	01/14/21 15:39	1
Benzoic acid	ND		31	7.5	ug/L		01/13/21 08:31	01/14/21 15:39	1
Benzyl alcohol	ND		10	2.1	ug/L		01/13/21 08:31	01/14/21 15:39	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		01/13/21 08:31	01/14/21 15:39	1
Bis(2-chloroethyl)ether	ND		10	2.8	ug/L		01/13/21 08:31	01/14/21 15:39	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		01/13/21 08:31	01/14/21 15:39	1
Bis(2-ethylhexyl) phthalate	ND		10	5.1	ug/L		01/13/21 08:31	01/14/21 15:39	1
4-Bromophenyl phenyl ether	ND		10	0.21	ug/L		01/13/21 08:31	01/14/21 15:39	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		01/13/21 08:31	01/14/21 15:39	1
4-Chloroaniline	ND		10	3.5	ug/L		01/13/21 08:31	01/14/21 15:39	1
4-Chloro-3-methylphenol	ND		10	3.9	ug/L		01/13/21 08:31	01/14/21 15:39	1
2-Chloronaphthalene	ND		10	0.14	ug/L		01/13/21 08:31	01/14/21 15:39	1
2-Chlorophenol	ND		10	2.3	ug/L		01/13/21 08:31	01/14/21 15:39	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		01/13/21 08:31	01/14/21 15:39	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/13/21 08:31	01/14/21 15:39	1
Dibenzofuran	ND		10	0.17	ug/L		01/13/21 08:31	01/14/21 15:39	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		01/13/21 08:31	01/14/21 15:39	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		01/13/21 08:31	01/14/21 15:39	1
Diethyl phthalate	ND		10	0.25	ug/L		01/13/21 08:31	01/14/21 15:39	1
2,4-Dimethylphenol	ND		10	3.6	ug/L		01/13/21 08:31	01/14/21 15:39	1
Dimethyl phthalate	ND		10	0.17	ug/L		01/13/21 08:31	01/14/21 15:39	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		01/13/21 08:31	01/14/21 15:39	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		01/13/21 08:31	01/14/21 15:39	1
2,4-Dinitrophenol	ND		31	3.5	ug/L		01/13/21 08:31	01/14/21 15:39	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/13/21 08:31	01/14/21 15:39	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/13/21 08:31	01/14/21 15:39	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		01/13/21 08:31	01/14/21 15:39	1
1,4-Dioxane	ND		10	1.0	ug/L		01/13/21 08:31	01/14/21 15:39	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/13/21 08:31	01/14/21 15:39	1
Hexachlorobenzene	ND		10	0.17	ug/L		01/13/21 08:31	01/14/21 15:39	1
Hexachlorocyclopentadiene	ND		21	2.7	ug/L		01/13/21 08:31	01/14/21 15:39	1
Hexachloroethane	ND		10	4.3	ug/L		01/13/21 08:31	01/14/21 15:39	1
Indene	ND		10	1.0	ug/L		01/13/21 08:31	01/14/21 15:39	1
Isophorone	ND		10	0.14	ug/L		01/13/21 08:31	01/14/21 15:39	1
2-Methylphenol	ND		10	1.8	ug/L		01/13/21 08:31	01/14/21 15:39	1
3 & 4 Methylphenol	ND		21	0.40	ug/L		01/13/21 08:31	01/14/21 15:39	1
2-Nitroaniline	ND		10	2.3	ug/L		01/13/21 08:31	01/14/21 15:39	1
3-Nitroaniline	ND		10	1.8	ug/L		01/13/21 08:31	01/14/21 15:39	1
4-Nitroaniline	ND		10	1.5	ug/L		01/13/21 08:31	01/14/21 15:39	1
Nitrobenzene	ND		10	0.13	ug/L		01/13/21 08:31	01/14/21 15:39	1
2-Nitrophenol	ND		10	5.3	ug/L		01/13/21 08:31	01/14/21 15:39	1
4-Nitrophenol	ND		10	2.2	ug/L		01/13/21 08:31	01/14/21 15:39	1
N-Nitrosodimethylamine	ND		10	3.6	ug/L		01/13/21 08:31	01/14/21 15:39	1

Client Sample ID: MW5-ROX-011121
Date Collected: 01/11/21 09:20
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.4	ug/L		01/13/21 08:31	01/14/21 15:39	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		01/13/21 08:31	01/14/21 15:39	1
Pentachlorophenol	ND		21	1.4	ug/L		01/13/21 08:31	01/14/21 15:39	1
Phenol	ND		10	2.7	ug/L		01/13/21 08:31	01/14/21 15:39	1
Pyridine	ND		10	3.3	ug/L		01/13/21 08:31	01/14/21 15:39	1
Quinoline	ND		10	4.6	ug/L		01/13/21 08:31	01/14/21 15:39	1
2,4,5-Trichlorophenol	ND		10	3.8	ug/L		01/13/21 08:31	01/14/21 15:39	1
2,4,6-Trichlorophenol	ND		10	3.6	ug/L		01/13/21 08:31	01/14/21 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*46 - 124*	*01/13/21 08:31*	*01/14/21 15:39*	*1*
2-Fluorophenol	*45*		*13 - 113*	*01/13/21 08:31*	*01/14/21 15:39*	*1*
Nitrobenzene-d5	*78*		*36 - 126*	*01/13/21 08:31*	*01/14/21 15:39*	*1*
Phenol-d5	*71*		*17 - 127*	*01/13/21 08:31*	*01/14/21 15:39*	*1*
Terphenyl-d14	*50*		*44 - 149*	*01/13/21 08:31*	*01/14/21 15:39*	*1*
2,4,6-Tribromophenol	*76*		*26 - 150*	*01/13/21 08:31*	*01/14/21 15:39*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/15/21 10:02	01/15/21 21:42	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/15/21 10:02	01/15/21 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*	*p*	*51 - 149*	*01/15/21 10:02*	*01/15/21 21:42*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198100-1

Client Sample ID: P54-ROX-011121
Date Collected: 01/11/21 10:50
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/21 12:29	1
Acrolein	ND		20	10	ug/L			01/18/21 12:29	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/21 12:29	1
Benzene	ND		1.0	0.38	ug/L			01/18/21 12:29	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/21 12:29	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/21 12:29	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/21 12:29	1
Bromoform	ND		5.0	0.71	ug/L			01/18/21 12:29	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/21 12:29	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 12:29	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/21 12:29	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/21 12:29	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/21 12:29	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/21 12:29	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/21 12:29	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			01/18/21 12:29	1
Chloroform	ND		1.0	0.60	ug/L			01/18/21 12:29	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/21 12:29	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/21 12:29	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 12:29	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 12:29	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/21 12:29	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/21 12:29	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/21 12:29	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/21 12:29	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 12:29	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 12:29	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 12:29	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 12:29	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 12:29	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 12:29	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/21 12:29	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/21 12:29	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/21 12:29	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/21 12:29	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 12:29	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/21 12:29	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/21 12:29	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/21 12:29	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/21 12:29	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/21 12:29	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/21 12:29	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/21 12:29	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/18/21 12:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/21 12:29	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/21 12:29	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/21 12:29	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/21 12:29	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/21 12:29	1

Client Sample ID: P54-ROX-011121
Date Collected: 01/11/21 10:50
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/21 12:29	1
Styrene	ND		1.0	1.0	ug/L			01/18/21 12:29	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/21 12:29	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/21 12:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/21 12:29	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/21 12:29	1
Toluene	ND		1.0	0.41	ug/L			01/18/21 12:29	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 12:29	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 12:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/21 12:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/21 12:29	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/21 12:29	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/21 12:29	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/21 12:29	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/21 12:29	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/21 12:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/21 12:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/21 12:29	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/21 12:29	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/21 12:29	1
Xylenes, Total	ND		10	1.6	ug/L			01/18/21 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/18/21 12:29*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/18/21 12:29*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*01/18/21 12:29*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.21	0.034	ug/L		01/13/21 08:31	01/14/21 17:48	1
Acenaphthylene	ND		0.21	0.048	ug/L		01/13/21 08:31	01/14/21 17:48	1
Anthracene	ND		0.21	0.034	ug/L		01/13/21 08:31	01/14/21 17:48	1
Benzo[a]anthracene	**0.093**	**J**	0.21	0.049	ug/L		01/13/21 08:31	01/14/21 17:48	1
Benzo[a]pyrene	**0.057**	**J**	0.21	0.045	ug/L		01/13/21 08:31	01/14/21 17:48	1
Benzo[b]fluoranthene	**0.036**	**J**	0.21	0.036	ug/L		01/13/21 08:31	01/14/21 17:48	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		01/13/21 08:31	01/14/21 17:48	1
Benzo[k]fluoranthene	ND		0.21	0.11	ug/L		01/13/21 08:31	01/14/21 17:48	1
Chrysene	ND		0.21	0.079	ug/L		01/13/21 08:31	01/14/21 17:48	1
Dibenz(a,h)anthracene	ND		0.21	0.053	ug/L		01/13/21 08:31	01/14/21 17:48	1
Fluoranthene	**0.074**	**J**	0.21	0.072	ug/L		01/13/21 08:31	01/14/21 17:48	1
Fluorene	ND		0.21	0.12	ug/L		01/13/21 08:31	01/14/21 17:48	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.046	ug/L		01/13/21 08:31	01/14/21 17:48	1
1-Methylnaphthalene	ND		0.21	0.079	ug/L		01/13/21 08:31	01/14/21 17:48	1
2-Methylnaphthalene	ND		0.21	0.064	ug/L		01/13/21 08:31	01/14/21 17:48	1
Phenanthrene	ND		0.21	0.038	ug/L		01/13/21 08:31	01/14/21 17:48	1
Pyrene	ND		0.21	0.043	ug/L		01/13/21 08:31	01/14/21 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*15 - 122*	*01/13/21 08:31*	*01/14/21 17:48*	*1*
Nitrobenzene-d5	*68*		*19 - 130*	*01/13/21 08:31*	*01/14/21 17:48*	*1*

Client Sample ID: P54-ROX-011121
Date Collected: 01/11/21 10:50
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-4
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	*82*		*33 - 138*	*01/13/21 08:31*	*01/14/21 17:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	F1 *+	11	4.0	ug/L		01/13/21 08:31	01/14/21 16:00	1
Benzenethiol	ND	*- *1 us	11	1.8	ug/L		01/13/21 08:31	01/14/21 16:00	1
Benzoic acid	ND		32	7.8	ug/L		01/13/21 08:31	01/14/21 16:00	1
Benzyl alcohol	ND		11	2.1	ug/L		01/13/21 08:31	01/14/21 16:00	1
Bis(2-chloroethoxy)methane	ND		11	0.17	ug/L		01/13/21 08:31	01/14/21 16:00	1
Bis(2-chloroethyl)ether	ND		11	2.9	ug/L		01/13/21 08:31	01/14/21 16:00	1
bis (2-chloroisopropyl) ether	ND		11	0.17	ug/L		01/13/21 08:31	01/14/21 16:00	1
Bis(2-ethylhexyl) phthalate	ND		11	5.3	ug/L		01/13/21 08:31	01/14/21 16:00	1
4-Bromophenyl phenyl ether	ND		11	0.21	ug/L		01/13/21 08:31	01/14/21 16:00	1
Butyl benzyl phthalate	ND		11	0.20	ug/L		01/13/21 08:31	01/14/21 16:00	1
4-Chloroaniline	ND		11	3.6	ug/L		01/13/21 08:31	01/14/21 16:00	1
4-Chloro-3-methylphenol	ND		11	4.0	ug/L		01/13/21 08:31	01/14/21 16:00	1
2-Chloronaphthalene	ND		11	0.15	ug/L		01/13/21 08:31	01/14/21 16:00	1
2-Chlorophenol	ND		11	2.3	ug/L		01/13/21 08:31	01/14/21 16:00	1
4-Chlorophenyl phenyl ether	ND		11	2.1	ug/L		01/13/21 08:31	01/14/21 16:00	1
Dibenz[a,h]acridine	ND		11	1.1	ug/L		01/13/21 08:31	01/14/21 16:00	1
Dibenzofuran	ND		11	0.18	ug/L		01/13/21 08:31	01/14/21 16:00	1
3,3'-Dichlorobenzidine	ND		11	2.8	ug/L		01/13/21 08:31	01/14/21 16:00	1
2,4-Dichlorophenol	ND		11	3.2	ug/L		01/13/21 08:31	01/14/21 16:00	1
Diethyl phthalate	ND		11	0.26	ug/L		01/13/21 08:31	01/14/21 16:00	1
2,4-Dimethylphenol	ND		11	3.7	ug/L		01/13/21 08:31	01/14/21 16:00	1
Dimethyl phthalate	ND		11	0.18	ug/L		01/13/21 08:31	01/14/21 16:00	1
Di-n-butyl phthalate	ND		11	2.9	ug/L		01/13/21 08:31	01/14/21 16:00	1
4,6-Dinitro-ortho-cresol	ND		11	1.7	ug/L		01/13/21 08:31	01/14/21 16:00	1
2,4-Dinitrophenol	ND		32	3.6	ug/L		01/13/21 08:31	01/14/21 16:00	1
2,4-Dinitrotoluene	ND		11	2.0	ug/L		01/13/21 08:31	01/14/21 16:00	1
2,6-Dinitrotoluene	ND		11	2.0	ug/L		01/13/21 08:31	01/14/21 16:00	1
Di-n-octyl phthalate	ND		11	0.18	ug/L		01/13/21 08:31	01/14/21 16:00	1
1,4-Dioxane	ND		11	1.1	ug/L		01/13/21 08:31	01/14/21 16:00	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		11	1.1	ug/L		01/13/21 08:31	01/14/21 16:00	1
Hexachlorobenzene	ND		11	0.18	ug/L		01/13/21 08:31	01/14/21 16:00	1
Hexachlorocyclopentadiene	ND		21	2.8	ug/L		01/13/21 08:31	01/14/21 16:00	1
Hexachloroethane	ND		11	4.5	ug/L		01/13/21 08:31	01/14/21 16:00	1
Indene	ND		11	1.1	ug/L		01/13/21 08:31	01/14/21 16:00	1
Isophorone	ND		11	0.15	ug/L		01/13/21 08:31	01/14/21 16:00	1
2-Methylphenol	ND		11	1.9	ug/L		01/13/21 08:31	01/14/21 16:00	1
3 & 4 Methylphenol	ND		21	0.42	ug/L		01/13/21 08:31	01/14/21 16:00	1
2-Nitroaniline	ND		11	2.3	ug/L		01/13/21 08:31	01/14/21 16:00	1
3-Nitroaniline	ND		11	1.9	ug/L		01/13/21 08:31	01/14/21 16:00	1
4-Nitroaniline	ND		11	1.6	ug/L		01/13/21 08:31	01/14/21 16:00	1
Nitrobenzene	ND		11	0.14	ug/L		01/13/21 08:31	01/14/21 16:00	1
2-Nitrophenol	ND		11	5.5	ug/L		01/13/21 08:31	01/14/21 16:00	1
4-Nitrophenol	ND		11	2.2	ug/L		01/13/21 08:31	01/14/21 16:00	1
N-Nitrosodimethylamine	ND		11	3.7	ug/L		01/13/21 08:31	01/14/21 16:00	1

Client Sample ID: P54-ROX-011121
Date Collected: 01/11/21 10:50
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		11	3.5	ug/L		01/13/21 08:31	01/14/21 16:00	1
N-Nitrosodiphenylamine	ND		11	0.19	ug/L		01/13/21 08:31	01/14/21 16:00	1
Pentachlorophenol	ND		21	1.5	ug/L		01/13/21 08:31	01/14/21 16:00	1
Phenol	ND		11	2.8	ug/L		01/13/21 08:31	01/14/21 16:00	1
Pyridine	ND		11	3.4	ug/L		01/13/21 08:31	01/14/21 16:00	1
Quinoline	ND		11	4.8	ug/L		01/13/21 08:31	01/14/21 16:00	1
2,4,5-Trichlorophenol	ND		11	3.9	ug/L		01/13/21 08:31	01/14/21 16:00	1
2,4,6-Trichlorophenol	ND		11	3.7	ug/L		01/13/21 08:31	01/14/21 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*46 - 124*	*01/13/21 08:31*	*01/14/21 16:00*	*1*
2-Fluorophenol	*34*		*13 - 113*	*01/13/21 08:31*	*01/14/21 16:00*	*1*
Nitrobenzene-d5	*76*		*36 - 126*	*01/13/21 08:31*	*01/14/21 16:00*	*1*
Phenol-d5	*62*		*17 - 127*	*01/13/21 08:31*	*01/14/21 16:00*	*1*
Terphenyl-d14	*73*		*44 - 149*	*01/13/21 08:31*	*01/14/21 16:00*	*1*
2,4,6-Tribromophenol	*69*		*26 - 150*	*01/13/21 08:31*	*01/14/21 16:00*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND	F1	0.030	0.0055	ug/L		01/15/21 10:02	01/15/21 22:01	1
1,2-Dibromoethane	ND	F2	0.020	0.0050	ug/L		01/15/21 10:02	01/15/21 22:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*	*p*	*51 - 149*	*01/15/21 10:02*	*01/15/21 22:01*	*1*

Client Sample ID: MW24-ROX-011121
Date Collected: 01/11/21 12:15
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/21 15:12	1
Acrolein	ND		20	10	ug/L			01/18/21 15:12	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/21 15:12	1
Benzene	ND		1.0	0.38	ug/L			01/18/21 15:12	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/21 15:12	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/21 15:12	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/21 15:12	1
Bromoform	ND		5.0	0.71	ug/L			01/18/21 15:12	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/21 15:12	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 15:12	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/21 15:12	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/21 15:12	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/21 15:12	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/21 15:12	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/21 15:12	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 15:12	1
Chloroform	ND		1.0	0.60	ug/L			01/18/21 15:12	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/21 15:12	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/21 15:12	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 15:12	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 15:12	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/21 15:12	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/21 15:12	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/21 15:12	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/21 15:12	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 15:12	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 15:12	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 15:12	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 15:12	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 15:12	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 15:12	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/21 15:12	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/21 15:12	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/21 15:12	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/21 15:12	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 15:12	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/21 15:12	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/21 15:12	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/21 15:12	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/21 15:12	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/21 15:12	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/21 15:12	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/21 15:12	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/18/21 15:12	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/21 15:12	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/21 15:12	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/21 15:12	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/21 15:12	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/21 15:12	1

Client Sample ID: MW24-ROX-011121
Date Collected: 01/11/21 12:15
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/21 15:12	1
Styrene	ND		1.0	1.0	ug/L			01/18/21 15:12	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/21 15:12	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/21 15:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/21 15:12	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/21 15:12	1
Toluene	ND		1.0	0.41	ug/L			01/18/21 15:12	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 15:12	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 15:12	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/21 15:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/21 15:12	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/21 15:12	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/21 15:12	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/21 15:12	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/21 15:12	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/21 15:12	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/21 15:12	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/21 15:12	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/21 15:12	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/21 15:12	1
Xylenes, Total	ND		10	1.6	ug/L			01/18/21 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/18/21 15:12*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/18/21 15:12*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*01/18/21 15:12*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.21	0.034	ug/L		01/13/21 08:31	01/14/21 18:20	1
Acenaphthylene	ND		0.21	0.047	ug/L		01/13/21 08:31	01/14/21 18:20	1
Anthracene	ND		0.21	0.034	ug/L		01/13/21 08:31	01/14/21 18:20	1
Benzo[a]anthracene	**0.066**	**J**	0.21	0.048	ug/L		01/13/21 08:31	01/14/21 18:20	1
Benzo[a]pyrene	**0.052**	**J**	0.21	0.044	ug/L		01/13/21 08:31	01/14/21 18:20	1
Benzo[b]fluoranthene	ND		0.21	0.036	ug/L		01/13/21 08:31	01/14/21 18:20	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		01/13/21 08:31	01/14/21 18:20	1
Benzo[k]fluoranthene	ND		0.21	0.10	ug/L		01/13/21 08:31	01/14/21 18:20	1
Chrysene	ND		0.21	0.078	ug/L		01/13/21 08:31	01/14/21 18:20	1
Dibenz(a,h)anthracene	ND		0.21	0.052	ug/L		01/13/21 08:31	01/14/21 18:20	1
Fluoranthene	**0.075**	**J**	0.21	0.071	ug/L		01/13/21 08:31	01/14/21 18:20	1
Fluorene	ND		0.21	0.12	ug/L		01/13/21 08:31	01/14/21 18:20	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.045	ug/L		01/13/21 08:31	01/14/21 18:20	1
1-Methylnaphthalene	ND		0.21	0.078	ug/L		01/13/21 08:31	01/14/21 18:20	1
2-Methylnaphthalene	ND		0.21	0.063	ug/L		01/13/21 08:31	01/14/21 18:20	1
Phenanthrene	ND		0.21	0.038	ug/L		01/13/21 08:31	01/14/21 18:20	1
Pyrene	ND		0.21	0.042	ug/L		01/13/21 08:31	01/14/21 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*15 - 122*	*01/13/21 08:31*	*01/14/21 18:20*	*1*
Nitrobenzene-d5	*78*		*19 - 130*	*01/13/21 08:31*	*01/14/21 18:20*	*1*

Client Sample ID: MW24-ROX-011121
Date Collected: 01/11/21 12:15
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-5
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	85		33 - 138	01/13/21 08:31	01/14/21 18:20	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	*+	10	4.0	ug/L		01/13/21 08:31	01/14/21 17:03	1
Benzenethiol	ND	*- *1	10	1.8	ug/L		01/13/21 08:31	01/14/21 17:03	1
Benzoic acid	ND		31	7.6	ug/L		01/13/21 08:31	01/14/21 17:03	1
Benzyl alcohol	ND		10	2.1	ug/L		01/13/21 08:31	01/14/21 17:03	1
Bis(2-chloroethoxy)methane	ND		10	0.17	ug/L		01/13/21 08:31	01/14/21 17:03	1
Bis(2-chloroethyl)ether	ND		10	2.8	ug/L		01/13/21 08:31	01/14/21 17:03	1
bis (2-chloroisopropyl) ether	ND		10	0.17	ug/L		01/13/21 08:31	01/14/21 17:03	1
Bis(2-ethylhexyl) phthalate	ND		10	5.2	ug/L		01/13/21 08:31	01/14/21 17:03	1
4-Bromophenyl phenyl ether	ND		10	0.21	ug/L		01/13/21 08:31	01/14/21 17:03	1
Butyl benzyl phthalate	ND		10	0.20	ug/L		01/13/21 08:31	01/14/21 17:03	1
4-Chloroaniline	ND		10	3.6	ug/L		01/13/21 08:31	01/14/21 17:03	1
4-Chloro-3-methylphenol	ND		10	4.0	ug/L		01/13/21 08:31	01/14/21 17:03	1
2-Chloronaphthalene	ND		10	0.15	ug/L		01/13/21 08:31	01/14/21 17:03	1
2-Chlorophenol	ND		10	2.3	ug/L		01/13/21 08:31	01/14/21 17:03	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		01/13/21 08:31	01/14/21 17:03	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/13/21 08:31	01/14/21 17:03	1
Dibenzofuran	ND		10	0.18	ug/L		01/13/21 08:31	01/14/21 17:03	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		01/13/21 08:31	01/14/21 17:03	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		01/13/21 08:31	01/14/21 17:03	1
Diethyl phthalate	ND		10	0.25	ug/L		01/13/21 08:31	01/14/21 17:03	1
2,4-Dimethylphenol	ND		10	3.7	ug/L		01/13/21 08:31	01/14/21 17:03	1
Dimethyl phthalate	ND		10	0.18	ug/L		01/13/21 08:31	01/14/21 17:03	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		01/13/21 08:31	01/14/21 17:03	1
4,6-Dinitro-ortho-cresol	ND		10	1.7	ug/L		01/13/21 08:31	01/14/21 17:03	1
2,4-Dinitrophenol	ND		31	3.6	ug/L		01/13/21 08:31	01/14/21 17:03	1
2,4-Dinitrotoluene	ND		10	2.0	ug/L		01/13/21 08:31	01/14/21 17:03	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		01/13/21 08:31	01/14/21 17:03	1
Di-n-octyl phthalate	ND		10	0.18	ug/L		01/13/21 08:31	01/14/21 17:03	1
1,4-Dioxane	ND		10	1.0	ug/L		01/13/21 08:31	01/14/21 17:03	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/13/21 08:31	01/14/21 17:03	1
Hexachlorobenzene	ND		10	0.18	ug/L		01/13/21 08:31	01/14/21 17:03	1
Hexachlorocyclopentadiene	ND		21	2.7	ug/L		01/13/21 08:31	01/14/21 17:03	1
Hexachloroethane	ND		10	4.4	ug/L		01/13/21 08:31	01/14/21 17:03	1
Indene	ND		10	1.0	ug/L		01/13/21 08:31	01/14/21 17:03	1
Isophorone	ND		10	0.15	ug/L		01/13/21 08:31	01/14/21 17:03	1
2-Methylphenol	ND		10	1.9	ug/L		01/13/21 08:31	01/14/21 17:03	1
3 & 4 Methylphenol	ND		21	0.41	ug/L		01/13/21 08:31	01/14/21 17:03	1
2-Nitroaniline	ND		10	2.3	ug/L		01/13/21 08:31	01/14/21 17:03	1
3-Nitroaniline	ND		10	1.9	ug/L		01/13/21 08:31	01/14/21 17:03	1
4-Nitroaniline	ND		10	1.6	ug/L		01/13/21 08:31	01/14/21 17:03	1
Nitrobenzene	ND		10	0.14	ug/L		01/13/21 08:31	01/14/21 17:03	1
2-Nitrophenol	ND		10	5.4	ug/L		01/13/21 08:31	01/14/21 17:03	1
4-Nitrophenol	ND		10	2.2	ug/L		01/13/21 08:31	01/14/21 17:03	1
N-Nitrosodimethylamine	ND		10	3.7	ug/L		01/13/21 08:31	01/14/21 17:03	1

Client Sample ID: MW24-ROX-011121
Date Collected: 01/11/21 12:15
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.5	ug/L		01/13/21 08:31	01/14/21 17:03	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		01/13/21 08:31	01/14/21 17:03	1
Pentachlorophenol	ND		21	1.5	ug/L		01/13/21 08:31	01/14/21 17:03	1
Phenol	ND		10	2.7	ug/L		01/13/21 08:31	01/14/21 17:03	1
Pyridine	ND		10	3.4	ug/L		01/13/21 08:31	01/14/21 17:03	1
Quinoline	ND		10	4.7	ug/L		01/13/21 08:31	01/14/21 17:03	1
2,4,5-Trichlorophenol	ND		10	3.9	ug/L		01/13/21 08:31	01/14/21 17:03	1
2,4,6-Trichlorophenol	ND		10	3.7	ug/L		01/13/21 08:31	01/14/21 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*46 - 124*	*01/13/21 08:31*	*01/14/21 17:03*	*1*
2-Fluorophenol	*39*		*13 - 113*	*01/13/21 08:31*	*01/14/21 17:03*	*1*
Nitrobenzene-d5	*75*		*36 - 126*	*01/13/21 08:31*	*01/14/21 17:03*	*1*
Phenol-d5	*70*		*17 - 127*	*01/13/21 08:31*	*01/14/21 17:03*	*1*
Terphenyl-d14	*73*		*44 - 149*	*01/13/21 08:31*	*01/14/21 17:03*	*1*
2,4,6-Tribromophenol	*68*		*26 - 150*	*01/13/21 08:31*	*01/14/21 17:03*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0054	ug/L		01/20/21 09:13	01/20/21 16:34	1
1,2-Dibromoethane	ND		0.019	0.0049	ug/L		01/20/21 09:13	01/20/21 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*	*p*	*51 - 149*	*01/20/21 09:13*	*01/20/21 16:34*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198100-1

Client Sample ID: TB-ROX-011121-8260-B
Date Collected: 01/11/21 00:00
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/21 15:39	1
Acrolein	ND		20	10	ug/L			01/18/21 15:39	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/21 15:39	1
Benzene	ND		1.0	0.38	ug/L			01/18/21 15:39	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/21 15:39	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/21 15:39	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/21 15:39	1
Bromoform	ND		5.0	0.71	ug/L			01/18/21 15:39	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/21 15:39	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 15:39	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/21 15:39	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/21 15:39	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/21 15:39	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/21 15:39	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/21 15:39	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 15:39	1
Chloroform	ND		1.0	0.60	ug/L			01/18/21 15:39	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/21 15:39	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/21 15:39	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 15:39	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 15:39	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/21 15:39	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/21 15:39	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/21 15:39	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/21 15:39	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 15:39	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 15:39	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 15:39	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 15:39	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 15:39	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 15:39	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/21 15:39	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/21 15:39	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/21 15:39	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/21 15:39	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 15:39	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/21 15:39	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/21 15:39	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/21 15:39	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/21 15:39	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/21 15:39	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/21 15:39	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/21 15:39	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/18/21 15:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/21 15:39	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/21 15:39	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/21 15:39	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/21 15:39	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/21 15:39	1

Client Sample ID: TB-ROX-011121-8260-B
Date Collected: 01/11/21 00:00
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/21 15:39	1
Styrene	ND		1.0	1.0	ug/L			01/18/21 15:39	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/21 15:39	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/21 15:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/21 15:39	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/21 15:39	1
Toluene	ND		1.0	0.41	ug/L			01/18/21 15:39	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 15:39	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 15:39	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/21 15:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/21 15:39	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/21 15:39	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/21 15:39	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/21 15:39	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/21 15:39	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/21 15:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/21 15:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/21 15:39	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/21 15:39	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/21 15:39	1
Xylenes, Total	ND		10	1.6	ug/L			01/18/21 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/18/21 15:39*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/18/21 15:39*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*01/18/21 15:39*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198100-1

Client Sample ID: TB-ROX-011121-8011-B
Date Collected: 01/11/21 00:00
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-7
Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0054	ug/L		01/20/21 09:13	01/20/21 16:54	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		01/20/21 09:13	01/20/21 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*	*p*	*51 - 149*	*01/20/21 09:13*	*01/20/21 16:54*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198100-1

Client Sample ID: MW14-ROX-011121
Date Collected: 01/11/21 10:15
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/21 16:06	1
Acrolein	ND		20	10	ug/L			01/18/21 16:06	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/21 16:06	1
Benzene	ND		1.0	0.38	ug/L			01/18/21 16:06	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/21 16:06	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/21 16:06	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/21 16:06	1
Bromoform	ND		5.0	0.71	ug/L			01/18/21 16:06	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/21 16:06	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 16:06	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/21 16:06	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/21 16:06	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/21 16:06	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/21 16:06	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/21 16:06	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 16:06	1
Chloroform	ND		1.0	0.60	ug/L			01/18/21 16:06	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/21 16:06	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/21 16:06	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 16:06	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 16:06	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/21 16:06	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/21 16:06	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/21 16:06	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/21 16:06	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 16:06	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 16:06	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 16:06	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 16:06	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 16:06	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 16:06	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/21 16:06	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/21 16:06	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/21 16:06	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/21 16:06	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 16:06	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/21 16:06	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/21 16:06	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/21 16:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/21 16:06	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/21 16:06	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/21 16:06	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/21 16:06	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/18/21 16:06	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/21 16:06	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/21 16:06	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/21 16:06	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/21 16:06	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/21 16:06	1

Client Sample ID: MW14-ROX-011121

Date Collected: 01/11/21 10:15
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-8

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/21 16:06	1
Styrene	ND		1.0	1.0	ug/L			01/18/21 16:06	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/21 16:06	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/21 16:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/21 16:06	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/21 16:06	1
Toluene	ND		1.0	0.41	ug/L			01/18/21 16:06	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 16:06	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 16:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/21 16:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/21 16:06	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/21 16:06	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/21 16:06	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/21 16:06	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/21 16:06	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/21 16:06	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/21 16:06	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/21 16:06	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/21 16:06	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/21 16:06	1
Xylenes, Total	ND		10	1.6	ug/L			01/18/21 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*78 - 118*		*01/18/21 16:06*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*01/18/21 16:06*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*01/18/21 16:06*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.030	ug/L		01/13/21 08:31	01/14/21 18:35	1
Acenaphthylene	ND		0.19	0.043	ug/L		01/13/21 08:31	01/14/21 18:35	1
Anthracene	ND		0.19	0.030	ug/L		01/13/21 08:31	01/14/21 18:35	1
Benzo[a]anthracene	0.051	J	0.19	0.044	ug/L		01/13/21 08:31	01/14/21 18:35	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		01/13/21 08:31	01/14/21 18:35	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		01/13/21 08:31	01/14/21 18:35	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/13/21 08:31	01/14/21 18:35	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		01/13/21 08:31	01/14/21 18:35	1
Chrysene	ND		0.19	0.070	ug/L		01/13/21 08:31	01/14/21 18:35	1
Dibenz(a,h)anthracene	ND		0.19	0.047	ug/L		01/13/21 08:31	01/14/21 18:35	1
Fluoranthene	ND		0.19	0.064	ug/L		01/13/21 08:31	01/14/21 18:35	1
Fluorene	ND		0.19	0.10	ug/L		01/13/21 08:31	01/14/21 18:35	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		01/13/21 08:31	01/14/21 18:35	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		01/13/21 08:31	01/14/21 18:35	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		01/13/21 08:31	01/14/21 18:35	1
Phenanthrene	ND		0.19	0.034	ug/L		01/13/21 08:31	01/14/21 18:35	1
Pyrene	ND		0.19	0.038	ug/L		01/13/21 08:31	01/14/21 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*15 - 122*	*01/13/21 08:31*	*01/14/21 18:35*	*1*
Nitrobenzene-d5	*68*		*19 - 130*	*01/13/21 08:31*	*01/14/21 18:35*	*1*

Client Sample ID: MW14-ROX-011121
Date Collected: 01/11/21 10:15
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-8
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*77*		*33 - 138*	*01/13/21 08:31*	*01/14/21 18:35*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	91	*+	9.5	3.6	ug/L		01/13/21 08:31	01/15/21 14:18	1
Benzenethiol	ND	*- *1	9.5	1.6	ug/L		01/13/21 08:31	01/14/21 17:24	1
Benzoic acid	ND		28	6.9	ug/L		01/13/21 08:31	01/14/21 17:24	1
Benzyl alcohol	ND		9.5	1.9	ug/L		01/13/21 08:31	01/14/21 17:24	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		01/13/21 08:31	01/14/21 17:24	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		01/13/21 08:31	01/14/21 17:24	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		01/13/21 08:31	01/14/21 17:24	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.7	ug/L		01/13/21 08:31	01/14/21 17:24	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		01/13/21 08:31	01/14/21 17:24	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		01/13/21 08:31	01/14/21 17:24	1
4-Chloroaniline	ND		9.5	3.2	ug/L		01/13/21 08:31	01/14/21 17:24	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		01/13/21 08:31	01/14/21 17:24	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		01/13/21 08:31	01/14/21 17:24	1
2-Chlorophenol	ND		9.5	2.1	ug/L		01/13/21 08:31	01/14/21 17:24	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		01/13/21 08:31	01/14/21 17:24	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		01/13/21 08:31	01/14/21 17:24	1
Dibenzofuran	ND		9.5	0.16	ug/L		01/13/21 08:31	01/14/21 17:24	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		01/13/21 08:31	01/14/21 17:24	1
2,4-Dichlorophenol	ND		9.5	2.8	ug/L		01/13/21 08:31	01/14/21 17:24	1
Diethyl phthalate	ND		9.5	0.23	ug/L		01/13/21 08:31	01/14/21 17:24	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		01/13/21 08:31	01/14/21 17:24	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		01/13/21 08:31	01/14/21 17:24	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		01/13/21 08:31	01/14/21 17:24	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		01/13/21 08:31	01/14/21 17:24	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		01/13/21 08:31	01/14/21 17:24	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		01/13/21 08:31	01/14/21 17:24	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		01/13/21 08:31	01/14/21 17:24	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		01/13/21 08:31	01/14/21 17:24	1
1,4-Dioxane	ND		9.5	0.95	ug/L		01/13/21 08:31	01/14/21 17:24	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		01/13/21 08:31	01/14/21 17:24	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		01/13/21 08:31	01/14/21 17:24	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/13/21 08:31	01/14/21 17:24	1
Hexachloroethane	ND		9.5	4.0	ug/L		01/13/21 08:31	01/14/21 17:24	1
Indene	ND		9.5	0.95	ug/L		01/13/21 08:31	01/14/21 17:24	1
Isophorone	ND		9.5	0.13	ug/L		01/13/21 08:31	01/14/21 17:24	1
2-Methylphenol	ND		9.5	1.7	ug/L		01/13/21 08:31	01/14/21 17:24	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/13/21 08:31	01/14/21 17:24	1
2-Nitroaniline	ND		9.5	2.1	ug/L		01/13/21 08:31	01/14/21 17:24	1
3-Nitroaniline	ND		9.5	1.7	ug/L		01/13/21 08:31	01/14/21 17:24	1
4-Nitroaniline	ND		9.5	1.4	ug/L		01/13/21 08:31	01/14/21 17:24	1
Nitrobenzene	ND		9.5	0.12	ug/L		01/13/21 08:31	01/14/21 17:24	1
2-Nitrophenol	ND		9.5	4.9	ug/L		01/13/21 08:31	01/14/21 17:24	1
4-Nitrophenol	ND		9.5	2.0	ug/L		01/13/21 08:31	01/14/21 17:24	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		01/13/21 08:31	01/14/21 17:24	1

Client Sample ID: MW14-ROX-011121
Date Collected: 01/11/21 10:15
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.5	3.1	ug/L		01/13/21 08:31	01/14/21 17:24	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		01/13/21 08:31	01/14/21 17:24	1
Pentachlorophenol	ND		19	1.3	ug/L		01/13/21 08:31	01/14/21 17:24	1
Phenol	ND		9.5	2.5	ug/L		01/13/21 08:31	01/14/21 17:24	1
Pyridine	ND		9.5	3.0	ug/L		01/13/21 08:31	01/14/21 17:24	1
Quinoline	ND		9.5	4.3	ug/L		01/13/21 08:31	01/14/21 17:24	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		01/13/21 08:31	01/14/21 17:24	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		01/13/21 08:31	01/14/21 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*46 - 124*	*01/13/21 08:31*	*01/14/21 17:24*	*1*
2-Fluorophenol	*59*		*13 - 113*	*01/13/21 08:31*	*01/14/21 17:24*	*1*
Nitrobenzene-d5	*78*		*36 - 126*	*01/13/21 08:31*	*01/14/21 17:24*	*1*
Phenol-d5	*82*		*17 - 127*	*01/13/21 08:31*	*01/14/21 17:24*	*1*
Terphenyl-d14	*80*		*44 - 149*	*01/13/21 08:31*	*01/14/21 17:24*	*1*
2,4,6-Tribromophenol	*78*		*26 - 150*	*01/13/21 08:31*	*01/14/21 17:24*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/20/21 09:13	01/20/21 17:14	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/20/21 09:13	01/20/21 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*	*p*	*51 - 149*	*01/20/21 09:13*	*01/20/21 17:14*	*1*

Client Sample ID: P66-ROX-011121
Date Collected: 01/11/21 11:05
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 16:33	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 16:33	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/18/21 16:33*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/18/21 16:33*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/18/21 16:33*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/19/21 14:58	1
Acrolein	ND		20	10	ug/L			01/19/21 14:58	1
Acrylonitrile	ND		10	2.8	ug/L			01/19/21 14:58	1
Benzene	**0.81**	**J**	1.0	0.38	ug/L			01/19/21 14:58	1
Bromobenzene	ND		1.0	0.54	ug/L			01/19/21 14:58	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/19/21 14:58	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/19/21 14:58	1
Bromoform	ND		5.0	0.71	ug/L			01/19/21 14:58	1
Bromomethane	ND		1.0	0.98	ug/L			01/19/21 14:58	1
Carbon disulfide	**1.0**		1.0	0.50	ug/L			01/19/21 14:58	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/19/21 14:58	1
Chlorobenzene	**0.51**	**J**	1.0	0.50	ug/L			01/19/21 14:58	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/19/21 14:58	1
Chloroethane	ND		1.0	0.76	ug/L			01/19/21 14:58	1
Chloroform	ND		1.0	0.60	ug/L			01/19/21 14:58	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/19/21 14:58	1
Chloromethane	ND		1.0	0.83	ug/L			01/19/21 14:58	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/19/21 14:58	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/19/21 14:58	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/19/21 14:58	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/19/21 14:58	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/19/21 14:58	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/19/21 14:58	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/19/21 14:58	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/19/21 14:58	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/19/21 14:58	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/19/21 14:58	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/19/21 14:58	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/19/21 14:58	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/19/21 14:58	1
Ethylbenzene	**0.69**	**J**	1.0	0.50	ug/L			01/19/21 14:58	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/19/21 14:58	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/19/21 14:58	1
Isopropylbenzene	**70**		1.0	0.53	ug/L			01/19/21 14:58	1
Methylene bromide	ND		5.0	0.59	ug/L			01/19/21 14:58	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/19/21 14:58	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/19/21 14:58	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/19/21 14:58	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/19/21 14:58	1

Client Sample ID: P66-ROX-011121
Date Collected: 01/11/21 11:05
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	20		1.0	1.0	ug/L			01/19/21 14:58	1
n-Butylbenzene	5.6		1.0	0.76	ug/L			01/19/21 14:58	1
N-Propylbenzene	110		1.0	0.69	ug/L			01/19/21 14:58	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/19/21 14:58	1
o-Xylene	1.0	J	5.0	0.60	ug/L			01/19/21 14:58	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/19/21 14:58	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/19/21 14:58	1
sec-Butylbenzene	12		1.0	0.70	ug/L			01/19/21 14:58	1
Styrene	ND		1.0	1.0	ug/L			01/19/21 14:58	1
tert-Butylbenzene	5.7		1.0	0.63	ug/L			01/19/21 14:58	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/19/21 14:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/19/21 14:58	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/19/21 14:58	1
Toluene	0.50	J	1.0	0.41	ug/L			01/19/21 14:58	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/19/21 14:58	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/19/21 14:58	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/19/21 14:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/19/21 14:58	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/19/21 14:58	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/19/21 14:58	1
Trichloroethene	ND		1.0	0.50	ug/L			01/19/21 14:58	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/19/21 14:58	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/19/21 14:58	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/19/21 14:58	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/19/21 14:58	1
Vinyl acetate	ND		25	2.0	ug/L			01/19/21 14:58	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/19/21 14:58	1
Xylenes, Total	ND		10	1.6	ug/L			01/19/21 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*78 - 118*		*01/19/21 14:58*	*1*
Dibromofluoromethane	*91*		*81 - 121*		*01/19/21 14:58*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/19/21 14:58*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.0		0.19	0.030	ug/L		01/13/21 08:31	01/14/21 18:51	1
Acenaphthylene	0.14	J	0.19	0.043	ug/L		01/13/21 08:31	01/14/21 18:51	1
Anthracene	0.22		0.19	0.030	ug/L		01/13/21 08:31	01/14/21 18:51	1
Benzo[a]anthracene	0.13	J	0.19	0.044	ug/L		01/13/21 08:31	01/14/21 18:51	1
Benzo[a]pyrene	0.10	J	0.19	0.040	ug/L		01/13/21 08:31	01/14/21 18:51	1
Benzo[b]fluoranthene	0.071	J	0.19	0.032	ug/L		01/13/21 08:31	01/14/21 18:51	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/13/21 08:31	01/14/21 18:51	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		01/13/21 08:31	01/14/21 18:51	1
Chrysene	ND		0.19	0.070	ug/L		01/13/21 08:31	01/14/21 18:51	1
Dibenz(a,h)anthracene	0.17	J	0.19	0.048	ug/L		01/13/21 08:31	01/14/21 18:51	1
Fluoranthene	0.12	J	0.19	0.065	ug/L		01/13/21 08:31	01/14/21 18:51	1
Fluorene	1.1		0.19	0.10	ug/L		01/13/21 08:31	01/14/21 18:51	1
Indeno[1,2,3-cd]pyrene	0.064	J	0.19	0.041	ug/L		01/13/21 08:31	01/14/21 18:51	1
1-Methylnaphthalene	58		0.19	0.070	ug/L		01/13/21 08:31	01/14/21 18:51	1

Client Sample ID: P66-ROX-011121
Date Collected: 01/11/21 11:05
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-9
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	24		0.19	0.057	ug/L		01/13/21 08:31	01/14/21 18:51	1
Phenanthrene	0.40		0.19	0.034	ug/L		01/13/21 08:31	01/14/21 18:51	1
Pyrene	0.19		0.19	0.038	ug/L		01/13/21 08:31	01/14/21 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*15 - 122*	*01/13/21 08:31*	*01/14/21 18:51*	*1*
Nitrobenzene-d5	*68*		*19 - 130*	*01/13/21 08:31*	*01/14/21 18:51*	*1*
Terphenyl-d14	*71*		*33 - 138*	*01/13/21 08:31*	*01/14/21 18:51*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	*+	9.5	3.6	ug/L		01/13/21 08:31	01/14/21 17:46	1
Benzenethiol	ND	*- *1	9.5	1.6	ug/L		01/13/21 08:31	01/14/21 17:46	1
Benzoic acid	ND		29	6.9	ug/L		01/13/21 08:31	01/14/21 17:46	1
Benzyl alcohol	ND		9.5	1.9	ug/L		01/13/21 08:31	01/14/21 17:46	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		01/13/21 08:31	01/14/21 17:46	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		01/13/21 08:31	01/14/21 17:46	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		01/13/21 08:31	01/14/21 17:46	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.8	ug/L		01/13/21 08:31	01/14/21 17:46	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		01/13/21 08:31	01/14/21 17:46	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		01/13/21 08:31	01/14/21 17:46	1
4-Chloroaniline	ND		9.5	3.2	ug/L		01/13/21 08:31	01/14/21 17:46	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		01/13/21 08:31	01/14/21 17:46	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		01/13/21 08:31	01/14/21 17:46	1
2-Chlorophenol	ND		9.5	2.1	ug/L		01/13/21 08:31	01/14/21 17:46	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		01/13/21 08:31	01/14/21 17:46	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		01/13/21 08:31	01/14/21 17:46	1
Dibenzofuran	ND		9.5	0.16	ug/L		01/13/21 08:31	01/14/21 17:46	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		01/13/21 08:31	01/14/21 17:46	1
2,4-Dichlorophenol	ND		9.5	2.9	ug/L		01/13/21 08:31	01/14/21 17:46	1
Diethyl phthalate	ND		9.5	0.23	ug/L		01/13/21 08:31	01/14/21 17:46	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		01/13/21 08:31	01/14/21 17:46	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		01/13/21 08:31	01/14/21 17:46	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		01/13/21 08:31	01/14/21 17:46	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		01/13/21 08:31	01/14/21 17:46	1
2,4-Dinitrophenol	ND		29	3.2	ug/L		01/13/21 08:31	01/14/21 17:46	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		01/13/21 08:31	01/14/21 17:46	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		01/13/21 08:31	01/14/21 17:46	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		01/13/21 08:31	01/14/21 17:46	1
1,4-Dioxane	ND		9.5	0.95	ug/L		01/13/21 08:31	01/14/21 17:46	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		01/13/21 08:31	01/14/21 17:46	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		01/13/21 08:31	01/14/21 17:46	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/13/21 08:31	01/14/21 17:46	1
Hexachloroethane	ND		9.5	4.0	ug/L		01/13/21 08:31	01/14/21 17:46	1
Indene	ND		9.5	0.95	ug/L		01/13/21 08:31	01/14/21 17:46	1
Isophorone	ND		9.5	0.13	ug/L		01/13/21 08:31	01/14/21 17:46	1
2-Methylphenol	ND		9.5	1.7	ug/L		01/13/21 08:31	01/14/21 17:46	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/13/21 08:31	01/14/21 17:46	1
2-Nitroaniline	ND		9.5	2.1	ug/L		01/13/21 08:31	01/14/21 17:46	1

Client Sample ID: P66-ROX-011121
Date Collected: 01/11/21 11:05
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		9.5	1.7	ug/L		01/13/21 08:31	01/14/21 17:46	1
4-Nitroaniline	ND		9.5	1.4	ug/L		01/13/21 08:31	01/14/21 17:46	1
Nitrobenzene	ND		9.5	0.12	ug/L		01/13/21 08:31	01/14/21 17:46	1
2-Nitrophenol	ND		9.5	5.0	ug/L		01/13/21 08:31	01/14/21 17:46	1
4-Nitrophenol	ND		9.5	2.0	ug/L		01/13/21 08:31	01/14/21 17:46	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		01/13/21 08:31	01/14/21 17:46	1
N-Nitrosodi-n-propylamine	ND		9.5	3.1	ug/L		01/13/21 08:31	01/14/21 17:46	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		01/13/21 08:31	01/14/21 17:46	1
Pentachlorophenol	ND		19	1.3	ug/L		01/13/21 08:31	01/14/21 17:46	1
Phenol	ND		9.5	2.5	ug/L		01/13/21 08:31	01/14/21 17:46	1
Pyridine	ND		9.5	3.0	ug/L		01/13/21 08:31	01/14/21 17:46	1
Quinoline	ND		9.5	4.3	ug/L		01/13/21 08:31	01/14/21 17:46	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		01/13/21 08:31	01/14/21 17:46	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		01/13/21 08:31	01/14/21 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*46 - 124*	*01/13/21 08:31*	*01/14/21 17:46*	*1*
2-Fluorophenol	*40*		*13 - 113*	*01/13/21 08:31*	*01/14/21 17:46*	*1*
Nitrobenzene-d5	*66*		*36 - 126*	*01/13/21 08:31*	*01/14/21 17:46*	*1*
Phenol-d5	*66*		*17 - 127*	*01/13/21 08:31*	*01/14/21 17:46*	*1*
Terphenyl-d14	*64*		*44 - 149*	*01/13/21 08:31*	*01/14/21 17:46*	*1*
2,4,6-Tribromophenol	*91*		*26 - 150*	*01/13/21 08:31*	*01/14/21 17:46*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0054	ug/L		01/20/21 09:43	01/20/21 23:10	1
1,2-Dibromoethane	ND		0.019	0.0049	ug/L		01/20/21 09:43	01/20/21 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*	*p*	*51 - 149*	*01/20/21 09:43*	*01/20/21 23:10*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198100-1

Client Sample ID: P93C-ROX-011121-EB
Date Collected: 01/11/21 12:30
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	6.2	J	25	2.6	ug/L			01/18/21 17:00	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 17:00	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/18/21 17:00*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/18/21 17:00*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*01/18/21 17:00*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/19/21 13:50	1
Acrolein	ND		20	10	ug/L			01/19/21 13:50	1
Acrylonitrile	ND		10	2.8	ug/L			01/19/21 13:50	1
Benzene	ND		1.0	0.38	ug/L			01/19/21 13:50	1
Bromobenzene	ND		1.0	0.54	ug/L			01/19/21 13:50	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/19/21 13:50	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/19/21 13:50	1
Bromoform	ND		5.0	0.71	ug/L			01/19/21 13:50	1
Bromomethane	ND		1.0	0.98	ug/L			01/19/21 13:50	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/19/21 13:50	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/19/21 13:50	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/19/21 13:50	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/19/21 13:50	1
Chloroethane	ND		1.0	0.76	ug/L			01/19/21 13:50	1
Chloroform	ND		1.0	0.60	ug/L			01/19/21 13:50	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/19/21 13:50	1
Chloromethane	ND		1.0	0.83	ug/L			01/19/21 13:50	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/19/21 13:50	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/19/21 13:50	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/19/21 13:50	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/19/21 13:50	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/19/21 13:50	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/19/21 13:50	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/19/21 13:50	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/19/21 13:50	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/19/21 13:50	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/19/21 13:50	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/19/21 13:50	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/19/21 13:50	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/19/21 13:50	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/19/21 13:50	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/19/21 13:50	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/19/21 13:50	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/19/21 13:50	1
Methylene bromide	ND		5.0	0.59	ug/L			01/19/21 13:50	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/19/21 13:50	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/19/21 13:50	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/19/21 13:50	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/19/21 13:50	1

Client Sample ID: P93C-ROX-011121-EB
Date Collected: 01/11/21 12:30
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	1.0	ug/L			01/19/21 13:50	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/19/21 13:50	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/19/21 13:50	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/19/21 13:50	1
o-Xylene	ND		5.0	0.60	ug/L			01/19/21 13:50	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/19/21 13:50	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/19/21 13:50	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/19/21 13:50	1
Styrene	ND		1.0	1.0	ug/L			01/19/21 13:50	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/19/21 13:50	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/19/21 13:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/19/21 13:50	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/19/21 13:50	1
Toluene	ND		1.0	0.41	ug/L			01/19/21 13:50	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/19/21 13:50	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/19/21 13:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/19/21 13:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/19/21 13:50	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/19/21 13:50	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/19/21 13:50	1
Trichloroethene	ND		1.0	0.50	ug/L			01/19/21 13:50	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/19/21 13:50	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/19/21 13:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/19/21 13:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/19/21 13:50	1
Vinyl acetate	ND		25	2.0	ug/L			01/19/21 13:50	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/19/21 13:50	1
Xylenes, Total	ND		10	1.6	ug/L			01/19/21 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*01/19/21 13:50*	*1*
Dibromofluoromethane	*88*		*81 - 121*		*01/19/21 13:50*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/19/21 13:50*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.030	ug/L		01/13/21 08:31	01/14/21 19:06	1
Acenaphthylene	ND		0.19	0.043	ug/L		01/13/21 08:31	01/14/21 19:06	1
Anthracene	ND		0.19	0.030	ug/L		01/13/21 08:31	01/14/21 19:06	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		01/13/21 08:31	01/14/21 19:06	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		01/13/21 08:31	01/14/21 19:06	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		01/13/21 08:31	01/14/21 19:06	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/13/21 08:31	01/14/21 19:06	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		01/13/21 08:31	01/14/21 19:06	1
Chrysene	ND		0.19	0.070	ug/L		01/13/21 08:31	01/14/21 19:06	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		01/13/21 08:31	01/14/21 19:06	1
Fluoranthene	ND		0.19	0.065	ug/L		01/13/21 08:31	01/14/21 19:06	1
Fluorene	ND		0.19	0.10	ug/L		01/13/21 08:31	01/14/21 19:06	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		01/13/21 08:31	01/14/21 19:06	1
1-Methylnaphthalene	0.17	J	0.19	0.070	ug/L		01/13/21 08:31	01/14/21 19:06	1

Client Sample ID: P93C-ROX-011121-EB
Date Collected: 01/11/21 12:30
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-10
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.076	J	0.19	0.057	ug/L		01/13/21 08:31	01/14/21 19:06	1
Phenanthrene	ND		0.19	0.034	ug/L		01/13/21 08:31	01/14/21 19:06	1
Pyrene	ND		0.19	0.038	ug/L		01/13/21 08:31	01/14/21 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*15 - 122*	*01/13/21 08:31*	*01/14/21 19:06*	*1*
Nitrobenzene-d5	*68*		*19 - 130*	*01/13/21 08:31*	*01/14/21 19:06*	*1*
Terphenyl-d14	*76*		*33 - 138*	*01/13/21 08:31*	*01/14/21 19:06*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	*+	9.5	3.6	ug/L		01/13/21 08:31	01/14/21 18:07	1
Benzenethiol	ND	*- *1	9.5	1.6	ug/L		01/13/21 08:31	01/14/21 18:07	1
Benzoic acid	ND		29	6.9	ug/L		01/13/21 08:31	01/14/21 18:07	1
Benzyl alcohol	ND		9.5	1.9	ug/L		01/13/21 08:31	01/14/21 18:07	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		01/13/21 08:31	01/14/21 18:07	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		01/13/21 08:31	01/14/21 18:07	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		01/13/21 08:31	01/14/21 18:07	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.8	ug/L		01/13/21 08:31	01/14/21 18:07	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		01/13/21 08:31	01/14/21 18:07	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		01/13/21 08:31	01/14/21 18:07	1
4-Chloroaniline	ND		9.5	3.2	ug/L		01/13/21 08:31	01/14/21 18:07	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		01/13/21 08:31	01/14/21 18:07	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		01/13/21 08:31	01/14/21 18:07	1
2-Chlorophenol	ND		9.5	2.1	ug/L		01/13/21 08:31	01/14/21 18:07	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		01/13/21 08:31	01/14/21 18:07	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		01/13/21 08:31	01/14/21 18:07	1
Dibenzofuran	ND		9.5	0.16	ug/L		01/13/21 08:31	01/14/21 18:07	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		01/13/21 08:31	01/14/21 18:07	1
2,4-Dichlorophenol	ND		9.5	2.9	ug/L		01/13/21 08:31	01/14/21 18:07	1
Diethyl phthalate	ND		9.5	0.23	ug/L		01/13/21 08:31	01/14/21 18:07	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		01/13/21 08:31	01/14/21 18:07	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		01/13/21 08:31	01/14/21 18:07	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		01/13/21 08:31	01/14/21 18:07	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		01/13/21 08:31	01/14/21 18:07	1
2,4-Dinitrophenol	ND		29	3.2	ug/L		01/13/21 08:31	01/14/21 18:07	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		01/13/21 08:31	01/14/21 18:07	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		01/13/21 08:31	01/14/21 18:07	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		01/13/21 08:31	01/14/21 18:07	1
1,4-Dioxane	ND		9.5	0.95	ug/L		01/13/21 08:31	01/14/21 18:07	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		01/13/21 08:31	01/14/21 18:07	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		01/13/21 08:31	01/14/21 18:07	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/13/21 08:31	01/14/21 18:07	1
Hexachloroethane	ND		9.5	4.0	ug/L		01/13/21 08:31	01/14/21 18:07	1
Indene	ND		9.5	0.95	ug/L		01/13/21 08:31	01/14/21 18:07	1
Isophorone	ND		9.5	0.13	ug/L		01/13/21 08:31	01/14/21 18:07	1
2-Methylphenol	ND		9.5	1.7	ug/L		01/13/21 08:31	01/14/21 18:07	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/13/21 08:31	01/14/21 18:07	1
2-Nitroaniline	ND		9.5	2.1	ug/L		01/13/21 08:31	01/14/21 18:07	1

Client Sample ID: P93C-ROX-011121-EB
Date Collected: 01/11/21 12:30
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		9.5	1.7	ug/L		01/13/21 08:31	01/14/21 18:07	1
4-Nitroaniline	ND		9.5	1.4	ug/L		01/13/21 08:31	01/14/21 18:07	1
Nitrobenzene	ND		9.5	0.12	ug/L		01/13/21 08:31	01/14/21 18:07	1
2-Nitrophenol	ND		9.5	4.9	ug/L		01/13/21 08:31	01/14/21 18:07	1
4-Nitrophenol	ND		9.5	2.0	ug/L		01/13/21 08:31	01/14/21 18:07	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		01/13/21 08:31	01/14/21 18:07	1
N-Nitrosodi-n-propylamine	ND		9.5	3.1	ug/L		01/13/21 08:31	01/14/21 18:07	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		01/13/21 08:31	01/14/21 18:07	1
Pentachlorophenol	ND		19	1.3	ug/L		01/13/21 08:31	01/14/21 18:07	1
Phenol	ND		9.5	2.5	ug/L		01/13/21 08:31	01/14/21 18:07	1
Pyridine	ND		9.5	3.0	ug/L		01/13/21 08:31	01/14/21 18:07	1
Quinoline	ND		9.5	4.3	ug/L		01/13/21 08:31	01/14/21 18:07	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		01/13/21 08:31	01/14/21 18:07	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		01/13/21 08:31	01/14/21 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*46 - 124*	*01/13/21 08:31*	*01/14/21 18:07*	*1*
2-Fluorophenol	*40*		*13 - 113*	*01/13/21 08:31*	*01/14/21 18:07*	*1*
Nitrobenzene-d5	*73*		*36 - 126*	*01/13/21 08:31*	*01/14/21 18:07*	*1*
Phenol-d5	*69*		*17 - 127*	*01/13/21 08:31*	*01/14/21 18:07*	*1*
Terphenyl-d14	*74*		*44 - 149*	*01/13/21 08:31*	*01/14/21 18:07*	*1*
2,4,6-Tribromophenol	*72*		*26 - 150*	*01/13/21 08:31*	*01/14/21 18:07*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/20/21 09:13	01/20/21 17:34	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/20/21 09:13	01/20/21 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*	*p*	*51 - 149*	*01/20/21 09:13*	*01/20/21 17:34*	*1*

Client Sample ID: P93C-ROX-011121
Date Collected: 01/11/21 13:10
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/21 17:27	1
Acrolein	ND		20	10	ug/L			01/18/21 17:27	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/21 17:27	1
Benzene	ND		1.0	0.38	ug/L			01/18/21 17:27	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/21 17:27	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/21 17:27	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/21 17:27	1
Bromoform	ND		5.0	0.71	ug/L			01/18/21 17:27	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/21 17:27	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 17:27	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/21 17:27	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/21 17:27	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/21 17:27	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/21 17:27	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/21 17:27	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 17:27	1
Chloroform	ND		1.0	0.60	ug/L			01/18/21 17:27	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/21 17:27	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/21 17:27	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 17:27	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 17:27	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/21 17:27	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/21 17:27	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/21 17:27	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/21 17:27	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 17:27	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 17:27	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 17:27	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 17:27	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 17:27	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 17:27	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/21 17:27	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/21 17:27	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/21 17:27	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/21 17:27	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 17:27	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/21 17:27	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/21 17:27	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/21 17:27	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/21 17:27	1
Methyl tert-butyl ether	**1.1**		1.0	0.74	ug/L			01/18/21 17:27	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/21 17:27	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/21 17:27	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/18/21 17:27	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/21 17:27	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/21 17:27	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/21 17:27	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/21 17:27	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/21 17:27	1

Client Sample ID: P93C-ROX-011121
Date Collected: 01/11/21 13:10
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/21 17:27	1
Styrene	ND		1.0	1.0	ug/L			01/18/21 17:27	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/21 17:27	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/21 17:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/21 17:27	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/21 17:27	1
Toluene	ND		1.0	0.41	ug/L			01/18/21 17:27	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 17:27	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 17:27	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/21 17:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/21 17:27	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/21 17:27	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/21 17:27	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/21 17:27	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/21 17:27	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/21 17:27	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/21 17:27	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/21 17:27	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/21 17:27	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/21 17:27	1
Xylenes, Total	ND		10	1.6	ug/L			01/18/21 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*78 - 118*		*01/18/21 17:27*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/18/21 17:27*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*01/18/21 17:27*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.030	ug/L		01/13/21 08:31	01/14/21 19:22	1
Acenaphthylene	ND		0.19	0.043	ug/L		01/13/21 08:31	01/14/21 19:22	1
Anthracene	ND		0.19	0.030	ug/L		01/13/21 08:31	01/14/21 19:22	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		01/13/21 08:31	01/14/21 19:22	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		01/13/21 08:31	01/14/21 19:22	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		01/13/21 08:31	01/14/21 19:22	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/13/21 08:31	01/14/21 19:22	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		01/13/21 08:31	01/14/21 19:22	1
Chrysene	ND		0.19	0.071	ug/L		01/13/21 08:31	01/14/21 19:22	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		01/13/21 08:31	01/14/21 19:22	1
Fluoranthene	ND		0.19	0.065	ug/L		01/13/21 08:31	01/14/21 19:22	1
Fluorene	ND		0.19	0.10	ug/L		01/13/21 08:31	01/14/21 19:22	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		01/13/21 08:31	01/14/21 19:22	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		01/13/21 08:31	01/14/21 19:22	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		01/13/21 08:31	01/14/21 19:22	1
Phenanthrene	ND		0.19	0.034	ug/L		01/13/21 08:31	01/14/21 19:22	1
Pyrene	ND		0.19	0.038	ug/L		01/13/21 08:31	01/14/21 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*15 - 122*	*01/13/21 08:31*	*01/14/21 19:22*	*1*
Nitrobenzene-d5	*83*		*19 - 130*	*01/13/21 08:31*	*01/14/21 19:22*	*1*

Client Sample ID: P93C-ROX-011121
Date Collected: 01/11/21 13:10
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-11
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*75*		*33 - 138*	*01/13/21 08:31*	*01/14/21 19:22*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	*+	9.5	3.6	ug/L		01/13/21 08:31	01/14/21 18:28	1
Benzenethiol	ND	*- *1	9.5	1.6	ug/L		01/13/21 08:31	01/14/21 18:28	1
Benzoic acid	ND		29	7.0	ug/L		01/13/21 08:31	01/14/21 18:28	1
Benzyl alcohol	ND		9.5	1.9	ug/L		01/13/21 08:31	01/14/21 18:28	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		01/13/21 08:31	01/14/21 18:28	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		01/13/21 08:31	01/14/21 18:28	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		01/13/21 08:31	01/14/21 18:28	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.8	ug/L		01/13/21 08:31	01/14/21 18:28	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		01/13/21 08:31	01/14/21 18:28	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		01/13/21 08:31	01/14/21 18:28	1
4-Chloroaniline	ND		9.5	3.2	ug/L		01/13/21 08:31	01/14/21 18:28	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		01/13/21 08:31	01/14/21 18:28	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		01/13/21 08:31	01/14/21 18:28	1
2-Chlorophenol	ND		9.5	2.1	ug/L		01/13/21 08:31	01/14/21 18:28	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		01/13/21 08:31	01/14/21 18:28	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		01/13/21 08:31	01/14/21 18:28	1
Dibenzofuran	ND		9.5	0.16	ug/L		01/13/21 08:31	01/14/21 18:28	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		01/13/21 08:31	01/14/21 18:28	1
2,4-Dichlorophenol	ND		9.5	2.9	ug/L		01/13/21 08:31	01/14/21 18:28	1
Diethyl phthalate	ND		9.5	0.23	ug/L		01/13/21 08:31	01/14/21 18:28	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		01/13/21 08:31	01/14/21 18:28	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		01/13/21 08:31	01/14/21 18:28	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		01/13/21 08:31	01/14/21 18:28	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		01/13/21 08:31	01/14/21 18:28	1
2,4-Dinitrophenol	ND		29	3.2	ug/L		01/13/21 08:31	01/14/21 18:28	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		01/13/21 08:31	01/14/21 18:28	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		01/13/21 08:31	01/14/21 18:28	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		01/13/21 08:31	01/14/21 18:28	1
1,4-Dioxane	ND		9.5	0.95	ug/L		01/13/21 08:31	01/14/21 18:28	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		01/13/21 08:31	01/14/21 18:28	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		01/13/21 08:31	01/14/21 18:28	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/13/21 08:31	01/14/21 18:28	1
Hexachloroethane	ND		9.5	4.0	ug/L		01/13/21 08:31	01/14/21 18:28	1
Indene	ND		9.5	0.95	ug/L		01/13/21 08:31	01/14/21 18:28	1
Isophorone	ND		9.5	0.13	ug/L		01/13/21 08:31	01/14/21 18:28	1
2-Methylphenol	ND		9.5	1.7	ug/L		01/13/21 08:31	01/14/21 18:28	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/13/21 08:31	01/14/21 18:28	1
2-Nitroaniline	ND		9.5	2.1	ug/L		01/13/21 08:31	01/14/21 18:28	1
3-Nitroaniline	ND		9.5	1.7	ug/L		01/13/21 08:31	01/14/21 18:28	1
4-Nitroaniline	ND		9.5	1.4	ug/L		01/13/21 08:31	01/14/21 18:28	1
Nitrobenzene	ND		9.5	0.12	ug/L		01/13/21 08:31	01/14/21 18:28	1
2-Nitrophenol	ND		9.5	5.0	ug/L		01/13/21 08:31	01/14/21 18:28	1
4-Nitrophenol	ND		9.5	2.0	ug/L		01/13/21 08:31	01/14/21 18:28	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		01/13/21 08:31	01/14/21 18:28	1

Client Sample ID: P93C-ROX-011121
Date Collected: 01/11/21 13:10
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-11
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.5	3.1	ug/L		01/13/21 08:31	01/14/21 18:28	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		01/13/21 08:31	01/14/21 18:28	1
Pentachlorophenol	ND		19	1.3	ug/L		01/13/21 08:31	01/14/21 18:28	1
Phenol	ND		9.5	2.5	ug/L		01/13/21 08:31	01/14/21 18:28	1
Pyridine	ND		9.5	3.0	ug/L		01/13/21 08:31	01/14/21 18:28	1
Quinoline	ND		9.5	4.3	ug/L		01/13/21 08:31	01/14/21 18:28	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		01/13/21 08:31	01/14/21 18:28	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		01/13/21 08:31	01/14/21 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*99*		*46 - 124*	*01/13/21 08:31*	*01/14/21 18:28*	*1*
2-Fluorophenol	*63*		*13 - 113*	*01/13/21 08:31*	*01/14/21 18:28*	*1*
Nitrobenzene-d5	*84*		*36 - 126*	*01/13/21 08:31*	*01/14/21 18:28*	*1*
Phenol-d5	*88*		*17 - 127*	*01/13/21 08:31*	*01/14/21 18:28*	*1*
Terphenyl-d14	*79*		*44 - 149*	*01/13/21 08:31*	*01/14/21 18:28*	*1*
2,4,6-Tribromophenol	*92*		*26 - 150*	*01/13/21 08:31*	*01/14/21 18:28*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/20/21 09:13	01/20/21 17:54	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/20/21 09:13	01/20/21 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*	*p*	*51 - 149*	*01/20/21 09:13*	*01/20/21 17:54*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198100-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-198100-1	TB-ROX-011121-8260-A	100	99	107
400-198100-3	MW5-ROX-011121	93	98	111
400-198100-4	P54-ROX-011121	99	97	108
400-198100-4 MS	P54-ROX-011121	89	98	104
400-198100-4 MSD	P54-ROX-011121	91	96	103
400-198100-5	MW24-ROX-011121	98	97	107
400-198100-6	TB-ROX-011121-8260-B	98	99	104
400-198100-8	MW14-ROX-011121	105	100	108
400-198100-9	P66-ROX-011121	99	98	106
400-198100-9 - RA	P66-ROX-011121	90	91	97
400-198100-10	P93C-ROX-011121-EB	99	99	105
400-198100-10 - RA	P93C-ROX-011121-EB	91	88	99
400-198100-11	P93C-ROX-011121	96	99	105
LCS 400-517673/1002	Lab Control Sample	97	95	101
LCS 400-517776/1002	Lab Control Sample	94	90	102
MB 400-517673/4	Method Blank	98	99	106
MB 400-517776/6	Method Blank	88	88	97

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(46-124)	(13-113)	(36-126)	(17-127)	(44-149)	(26-150)
400-198100-3	MW5-ROX-011121	94	45	78	71	50	76
400-198100-4	P54-ROX-011121	90	34	76	62	73	69
400-198100-4 MS	P54-ROX-011121	95	37	81	73	82	96
400-198100-4 MSD	P54-ROX-011121	86	39	73	67	76	80
400-198100-5	MW24-ROX-011121	89	39	75	70	73	68
400-198100-8	MW14-ROX-011121	92	59	78	82	80	78
400-198100-9	P66-ROX-011121	80	40	66	66	64	91
400-198100-10	P93C-ROX-011121-EB	87	40	73	69	74	72
400-198100-11	P93C-ROX-011121	99	63	84	88	79	92
LCS 400-517254/2-A	Lab Control Sample	93	58	89	79	82	90
LCS 400-517254/3-A	Lab Control Sample	100	36	83	70	85	54
LCSD 400-517254/4-A	Lab Control Sample Dup	103	37	84	66	90	69
MB 400-517254/1-A	Method Blank	88	39	77	71	71	70

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198100-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(15-122)	(19-130)	(33-138)
400-198100-3	MW5-ROX-011121	72	70	48
400-198100-4	P54-ROX-011121	68	68	82
400-198100-4 MS	P54-ROX-011121	95	84	101
400-198100-4 MSD	P54-ROX-011121	80	83	83
400-198100-5	MW24-ROX-011121	75	78	85
400-198100-8	MW14-ROX-011121	71	68	77
400-198100-9	P66-ROX-011121	65	68	71
400-198100-10	P93C-ROX-011121-EB	70	68	76
400-198100-11	P93C-ROX-011121	73	83	75
LCS 400-517254/2-A	Lab Control Sample	89	71	94
MB 400-517254/1-A	Method Blank	65	64	76

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB2
Lab Sample ID	Client Sample ID	(51-149)
400-198100-2	TB-ROX-011121-8011-A	110 p
400-198100-3	MW5-ROX-011121	99 p
400-198100-4	P54-ROX-011121	105 p
400-198100-4 MS	P54-ROX-011121	101
400-198100-4 MSD	P54-ROX-011121	105 p
400-198100-5	MW24-ROX-011121	93 p
400-198100-7	TB-ROX-011121-8011-B	86 p
400-198100-8	MW14-ROX-011121	90 p
400-198100-9	P66-ROX-011121	94 p
400-198100-10	P93C-ROX-011121-EB	88 p
400-198100-11	P93C-ROX-011121	89 p
LCS 400-517551/2-A	Lab Control Sample	102
LCS 400-517923/2-A	Lab Control Sample	97
LCSD 400-517551/3-A	Lab Control Sample Dup	103
LCSD 400-517923/3-A	Lab Control Sample Dup	93
MB 400-517551/1-A	Method Blank	93
MB 400-517923/1-A	Method Blank	92

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198100-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL PEN
5030B	Purge and Trap	SW846	TAL PEN
8011	Microextraction	SW846	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Client Sample ID: TB-ROX-011121-8260-A

Lab Sample ID: 400-198100-1

Date Collected: 01/11/21 00:00
Date Received: 01/12/21 10:48

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 14:17	AMB	TAL PEN

Client Sample ID: TB-ROX-011121-8011-A

Lab Sample ID: 400-198100-2

Date Collected: 01/11/21 00:00
Date Received: 01/12/21 10:48

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.6 mL	35 mL	517551	01/15/21 10:02	DS	TAL PEN
Total/NA	Analysis	8011		1			517591	01/15/21 21:22	DS	TAL PEN

Client Sample ID: MW5-ROX-011121

Lab Sample ID: 400-198100-3

Date Collected: 01/11/21 09:20
Date Received: 01/12/21 10:48

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 14:45	AMB	TAL PEN
Total/NA	Prep	3520C			243.6 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 15:39	S1B	TAL PEN
Total/NA	Prep	3520C			243.6 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517474	01/14/21 18:04	PP1	TAL PEN
Total/NA	Prep	8011			34.4 mL	35 mL	517551	01/15/21 10:02	DS	TAL PEN
Total/NA	Analysis	8011		1			517591	01/15/21 21:42	DS	TAL PEN

Client Sample ID: P54-ROX-011121

Lab Sample ID: 400-198100-4

Date Collected: 01/11/21 10:50
Date Received: 01/12/21 10:48

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 12:29	AMB	TAL PEN
Total/NA	Prep	3520C			234.8 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 16:00	S1B	TAL PEN
Total/NA	Prep	3520C			234.8 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517474	01/14/21 17:48	PP1	TAL PEN
Total/NA	Prep	8011			34.7 mL	35 mL	517551	01/15/21 10:02	DS	TAL PEN
Total/NA	Analysis	8011		1			517591	01/15/21 22:01	DS	TAL PEN

Client Sample ID: MW24-ROX-011121

Lab Sample ID: 400-198100-5

Date Collected: 01/11/21 12:15
Date Received: 01/12/21 10:48

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 15:12	AMB	TAL PEN
Total/NA	Prep	3520C			238.6 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 17:03	S1B	TAL PEN

Client Sample ID: MW24-ROX-011121

Date Collected: 01/11/21 12:15
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			238.6 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517474	01/14/21 18:20	PP1	TAL PEN
Total/NA	Prep	8011			35.9 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 16:34	DS	TAL PEN

Client Sample ID: TB-ROX-011121-8260-B

Date Collected: 01/11/21 00:00
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 15:39	AMB	TAL PEN

Client Sample ID: TB-ROX-011121-8011-B

Date Collected: 01/11/21 00:00
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35.4 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 16:54	DS	TAL PEN

Client Sample ID: MW14-ROX-011121

Date Collected: 01/11/21 10:15
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 16:06	AMB	TAL PEN
Total/NA	Prep	3520C			264 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 17:24	S1B	TAL PEN
Total/NA	Prep	3520C			264 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517556	01/15/21 14:18	S1B	TAL PEN
Total/NA	Prep	3520C			264 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517474	01/14/21 18:35	PP1	TAL PEN
Total/NA	Prep	8011			34.7 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 17:14	DS	TAL PEN

Client Sample ID: P66-ROX-011121

Date Collected: 01/11/21 11:05
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 16:33	AMB	TAL PEN
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	517776	01/19/21 14:58	BEP	TAL PEN
Total/NA	Prep	3520C			262.6 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 17:46	S1B	TAL PEN

Client Sample ID: P66-ROX-011121

Date Collected: 01/11/21 11:05
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			262.6 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517474	01/14/21 18:51	PP1	TAL PEN
Total/NA	Prep	8011			35.9 mL	35 mL	517923	01/20/21 09:43	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 23:10	DS	TAL PEN

Client Sample ID: P93C-ROX-011121-EB

Date Collected: 01/11/21 12:30
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 17:00	AMB	TAL PEN
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	517776	01/19/21 13:50	BEP	TAL PEN
Total/NA	Prep	3520C			262.8 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 18:07	S1B	TAL PEN
Total/NA	Prep	3520C			262.8 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517474	01/14/21 19:06	PP1	TAL PEN
Total/NA	Prep	8011			34.2 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 17:34	DS	TAL PEN

Client Sample ID: P93C-ROX-011121

Date Collected: 01/11/21 13:10
Date Received: 01/12/21 10:48

Lab Sample ID: 400-198100-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 17:27	AMB	TAL PEN
Total/NA	Prep	3520C			262.4 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 18:28	S1B	TAL PEN
Total/NA	Prep	3520C			262.4 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517474	01/14/21 19:22	PP1	TAL PEN
Total/NA	Prep	8011			35.3 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 17:54	DS	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-517254/1-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 14:14	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517474	01/14/21 16:46	PP1	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-517551/1-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517551	01/15/21 10:02	DS	TAL PEN
Total/NA	Analysis	8011		1			517591	01/15/21 13:50	DS	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-517673/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 12:02	AMB	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-517776/6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517776	01/19/21 11:00	BEP	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-517923/1-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 15:14	DS	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-517254/2-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 14:35	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			517474	01/14/21 17:02	PP1	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-517254/3-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 14:56	S1B	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-517551/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517551	01/15/21 10:02	DS	TAL PEN
Total/NA	Analysis	8011		1			517591	01/15/21 14:09	DS	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-517673/1002**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 10:59	AMB	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-517776/1002**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517776	01/19/21 09:41	BEP	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-517923/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 15:34	DS	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-517254/4-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 15:18	S1B	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-517551/3-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517551	01/15/21 10:02	DS	TAL PEN
Total/NA	Analysis	8011		1			517591	01/15/21 14:29	DS	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-517923/3-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 15:54	DS	TAL PEN

Client Sample ID: P54-ROX-011121

Lab Sample ID: 400-198100-4 MS

Date Collected: 01/11/21 10:50
Date Received: 01/12/21 10:48

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 12:56	AMB	TAL PEN
Total/NA	Prep	3520C			236.6 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 16:21	S1B	TAL PEN
Total/NA	Prep	3520C			236.6 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			517474	01/14/21 17:17	PP1	TAL PEN
Total/NA	Prep	8011			35.3 mL	35 mL	517551	01/15/21 10:02	DS	TAL PEN
Total/NA	Analysis	8011		1			517591	01/15/21 22:21	DS	TAL PEN

Client Sample ID: P54-ROX-011121

Lab Sample ID: 400-198100-4 MSD

Date Collected: 01/11/21 10:50
Date Received: 01/12/21 10:48

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 13:23	AMB	TAL PEN
Total/NA	Prep	3520C			239 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 16:42	S1B	TAL PEN
Total/NA	Prep	3520C			239 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			517474	01/14/21 17:33	PP1	TAL PEN
Total/NA	Prep	8011			34.3 mL	35 mL	517551	01/15/21 10:02	DS	TAL PEN
Total/NA	Analysis	8011		1			517591	01/15/21 22:40	DS	TAL PEN

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 517673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198100-1	TB-ROX-011121-8260-A	Total/NA	Water	8260B	
400-198100-3	MW5-ROX-011121	Total/NA	Water	8260B	
400-198100-4	P54-ROX-011121	Total/NA	Water	8260B	
400-198100-5	MW24-ROX-011121	Total/NA	Water	8260B	
400-198100-6	TB-ROX-011121-8260-B	Total/NA	Water	8260B	
400-198100-8	MW14-ROX-011121	Total/NA	Water	8260B	
400-198100-9	P66-ROX-011121	Total/NA	Water	8260B	
400-198100-10	P93C-ROX-011121-EB	Total/NA	Water	8260B	
400-198100-11	P93C-ROX-011121	Total/NA	Water	8260B	
MB 400-517673/4	Method Blank	Total/NA	Water	8260B	
LCS 400-517673/1002	Lab Control Sample	Total/NA	Water	8260B	
400-198100-4 MS	P54-ROX-011121	Total/NA	Water	8260B	
400-198100-4 MSD	P54-ROX-011121	Total/NA	Water	8260B	

Analysis Batch: 517776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198100-9 - RA	P66-ROX-011121	Total/NA	Water	8260B	
400-198100-10 - RA	P93C-ROX-011121-EB	Total/NA	Water	8260B	
MB 400-517776/6	Method Blank	Total/NA	Water	8260B	
LCS 400-517776/1002	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 517254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198100-3	MW5-ROX-011121	Total/NA	Water	3520C	
400-198100-4	P54-ROX-011121	Total/NA	Water	3520C	
400-198100-5	MW24-ROX-011121	Total/NA	Water	3520C	
400-198100-8	MW14-ROX-011121	Total/NA	Water	3520C	
400-198100-9	P66-ROX-011121	Total/NA	Water	3520C	
400-198100-10	P93C-ROX-011121-EB	Total/NA	Water	3520C	
400-198100-11	P93C-ROX-011121	Total/NA	Water	3520C	
MB 400-517254/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-517254/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-517254/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-517254/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	
400-198100-4 MS	P54-ROX-011121	Total/NA	Water	3520C	
400-198100-4 MSD	P54-ROX-011121	Total/NA	Water	3520C	

Analysis Batch: 517448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198100-3	MW5-ROX-011121	Total/NA	Water	8270D	517254
400-198100-4	P54-ROX-011121	Total/NA	Water	8270D	517254
400-198100-5	MW24-ROX-011121	Total/NA	Water	8270D	517254
400-198100-8	MW14-ROX-011121	Total/NA	Water	8270D	517254
400-198100-9	P66-ROX-011121	Total/NA	Water	8270D	517254
400-198100-10	P93C-ROX-011121-EB	Total/NA	Water	8270D	517254
400-198100-11	P93C-ROX-011121	Total/NA	Water	8270D	517254
MB 400-517254/1-A	Method Blank	Total/NA	Water	8270D	517254
LCS 400-517254/2-A	Lab Control Sample	Total/NA	Water	8270D	517254
LCS 400-517254/3-A	Lab Control Sample	Total/NA	Water	8270D	517254

GC/MS Semi VOA (Continued)

Analysis Batch: 517448 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 400-517254/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	517254
400-198100-4 MS	P54-ROX-011121	Total/NA	Water	8270D	517254
400-198100-4 MSD	P54-ROX-011121	Total/NA	Water	8270D	517254

Analysis Batch: 517474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198100-3	MW5-ROX-011121	Total/NA	Water	8270D LL	517254
400-198100-4	P54-ROX-011121	Total/NA	Water	8270D LL	517254
400-198100-5	MW24-ROX-011121	Total/NA	Water	8270D LL	517254
400-198100-8	MW14-ROX-011121	Total/NA	Water	8270D LL	517254
400-198100-9	P66-ROX-011121	Total/NA	Water	8270D LL	517254
400-198100-10	P93C-ROX-011121-EB	Total/NA	Water	8270D LL	517254
400-198100-11	P93C-ROX-011121	Total/NA	Water	8270D LL	517254
MB 400-517254/1-A	Method Blank	Total/NA	Water	8270D LL	517254
LCS 400-517254/2-A	Lab Control Sample	Total/NA	Water	8270D LL	517254
400-198100-4 MS	P54-ROX-011121	Total/NA	Water	8270D LL	517254
400-198100-4 MSD	P54-ROX-011121	Total/NA	Water	8270D LL	517254

Analysis Batch: 517556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198100-8	MW14-ROX-011121	Total/NA	Water	8270D	517254

GC Semi VOA

Prep Batch: 517551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198100-2	TB-ROX-011121-8011-A	Total/NA	Water	8011	
400-198100-3	MW5-ROX-011121	Total/NA	Water	8011	
400-198100-4	P54-ROX-011121	Total/NA	Water	8011	
MB 400-517551/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-517551/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-517551/3-A	Lab Control Sample Dup	Total/NA	Water	8011	
400-198100-4 MS	P54-ROX-011121	Total/NA	Water	8011	
400-198100-4 MSD	P54-ROX-011121	Total/NA	Water	8011	

Analysis Batch: 517591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198100-2	TB-ROX-011121-8011-A	Total/NA	Water	8011	517551
400-198100-3	MW5-ROX-011121	Total/NA	Water	8011	517551
400-198100-4	P54-ROX-011121	Total/NA	Water	8011	517551
MB 400-517551/1-A	Method Blank	Total/NA	Water	8011	517551
LCS 400-517551/2-A	Lab Control Sample	Total/NA	Water	8011	517551
LCSD 400-517551/3-A	Lab Control Sample Dup	Total/NA	Water	8011	517551
400-198100-4 MS	P54-ROX-011121	Total/NA	Water	8011	517551
400-198100-4 MSD	P54-ROX-011121	Total/NA	Water	8011	517551

Prep Batch: 517923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198100-5	MW24-ROX-011121	Total/NA	Water	8011	
400-198100-7	TB-ROX-011121-8011-B	Total/NA	Water	8011	
400-198100-8	MW14-ROX-011121	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 517923 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198100-9	P66-ROX-011121	Total/NA	Water	8011	
400-198100-10	P93C-ROX-011121-EB	Total/NA	Water	8011	
400-198100-11	P93C-ROX-011121	Total/NA	Water	8011	
MB 400-517923/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-517923/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-517923/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 517997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198100-5	MW24-ROX-011121	Total/NA	Water	8011	517923
400-198100-7	TB-ROX-011121-8011-B	Total/NA	Water	8011	517923
400-198100-8	MW14-ROX-011121	Total/NA	Water	8011	517923
400-198100-9	P66-ROX-011121	Total/NA	Water	8011	517923
400-198100-10	P93C-ROX-011121-EB	Total/NA	Water	8011	517923
400-198100-11	P93C-ROX-011121	Total/NA	Water	8011	517923
MB 400-517923/1-A	Method Blank	Total/NA	Water	8011	517923
LCS 400-517923/2-A	Lab Control Sample	Total/NA	Water	8011	517923
LCSD 400-517923/3-A	Lab Control Sample Dup	Total/NA	Water	8011	517923

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-517673/4
Matrix: Water
Analysis Batch: 517673

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/21 12:02	1
Acrolein	ND		20	10	ug/L			01/18/21 12:02	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/21 12:02	1
Benzene	ND		1.0	0.38	ug/L			01/18/21 12:02	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/21 12:02	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/21 12:02	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Bromoform	ND		5.0	0.71	ug/L			01/18/21 12:02	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/21 12:02	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 12:02	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/21 12:02	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 12:02	1
Chloroform	ND		1.0	0.60	ug/L			01/18/21 12:02	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/21 12:02	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/21 12:02	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 12:02	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 12:02	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/21 12:02	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/21 12:02	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/21 12:02	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/21 12:02	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 12:02	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/21 12:02	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/21 12:02	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 12:02	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/21 12:02	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/21 12:02	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/21 12:02	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/21 12:02	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/21 12:02	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/21 12:02	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/21 12:02	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/18/21 12:02	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/21 12:02	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/21 12:02	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/21 12:02	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/21 12:02	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517673/4
Matrix: Water
Analysis Batch: 517673

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/21 12:02	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/21 12:02	1
Styrene	ND		1.0	1.0	ug/L			01/18/21 12:02	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/21 12:02	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/21 12:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/21 12:02	1
Toluene	ND		1.0	0.41	ug/L			01/18/21 12:02	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 12:02	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 12:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/21 12:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/21 12:02	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/21 12:02	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/21 12:02	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/21 12:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/21 12:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/21 12:02	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/21 12:02	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Xylenes, Total	ND		10	1.6	ug/L			01/18/21 12:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/18/21 12:02*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/18/21 12:02*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/18/21 12:02*	*1*

Lab Sample ID: LCS 400-517673/1002
Matrix: Water
Analysis Batch: 517673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	160		ug/L		80	43 - 160
Acrolein	500	540		ug/L		108	38 - 160
Acrylonitrile	500	402		ug/L		80	64 - 142
Benzene	50.0	46.5		ug/L		93	70 - 130
Bromobenzene	50.0	47.4		ug/L		95	70 - 132
Bromochloromethane	50.0	45.5		ug/L		91	70 - 130
Bromodichloromethane	50.0	41.4		ug/L		83	67 - 133
Bromoform	50.0	38.3		ug/L		77	57 - 140
Bromomethane	50.0	51.5		ug/L		103	10 - 160
2-Butanone (MEK)	200	141		ug/L		71	61 - 145
Carbon disulfide	50.0	48.3		ug/L		97	61 - 137
Carbon tetrachloride	50.0	44.9		ug/L		90	61 - 137
Chlorobenzene	50.0	48.1		ug/L		96	70 - 130
Dibromochloromethane	50.0	42.0		ug/L		84	67 - 135
Chloroethane	50.0	55.4		ug/L		111	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517673/1002
Matrix: Water
Analysis Batch: 517673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	50.0	27.2		ug/L		54	10 - 160
Chloroform	50.0	43.9		ug/L		88	69 - 130
1-Chlorohexane	50.0	56.2		ug/L		112	69 - 130
Chloromethane	50.0	57.4		ug/L		115	58 - 137
cis-1,2-Dichloroethene	50.0	47.0		ug/L		94	68 - 130
cis-1,3-Dichloropropene	50.0	44.2		ug/L		88	69 - 132
1,2-Dichlorobenzene	50.0	48.9		ug/L		98	67 - 130
1,3-Dichlorobenzene	50.0	51.8		ug/L		104	70 - 130
1,4-Dichlorobenzene	50.0	48.9		ug/L		98	70 - 130
Dichlorodifluoromethane	50.0	52.1		ug/L		104	41 - 146
1,1-Dichloroethane	50.0	48.4		ug/L		97	70 - 130
1,2-Dichloroethane	50.0	41.2		ug/L		82	69 - 130
1,1-Dichloroethene	50.0	44.1		ug/L		88	63 - 134
1,2-Dichloropropane	50.0	47.4		ug/L		95	70 - 130
1,3-Dichloropropane	50.0	41.8		ug/L		84	70 - 130
2,2-Dichloropropane	50.0	45.8		ug/L		92	52 - 135
1,1-Dichloropropene	50.0	47.4		ug/L		95	70 - 130
Ethylbenzene	50.0	49.9		ug/L		100	70 - 130
Ethyl methacrylate	50.0	39.6		ug/L		79	68 - 130
Hexachlorobutadiene	50.0	57.6		ug/L		115	53 - 140
2-Hexanone	200	170		ug/L		85	65 - 137
Isopropylbenzene	50.0	52.4		ug/L		105	70 - 130
Methylene bromide	50.0	40.6		ug/L		81	70 - 130
Methylene Chloride	50.0	45.6		ug/L		91	66 - 135
4-Methyl-2-pentanone (MIBK)	200	164		ug/L		82	69 - 138
Methyl tert-butyl ether	50.0	40.5		ug/L		81	66 - 130
m-Xylene & p-Xylene	50.0	49.3		ug/L		99	70 - 130
Naphthalene	50.0	43.2		ug/L		86	47 - 149
n-Butylbenzene	50.0	66.6	*+	ug/L		133	67 - 130
N-Propylbenzene	50.0	54.7		ug/L		109	70 - 130
o-Chlorotoluene	50.0	52.3		ug/L		105	70 - 130
o-Xylene	50.0	50.2		ug/L		100	70 - 130
p-Chlorotoluene	50.0	52.5		ug/L		105	70 - 130
p-Isopropyltoluene	50.0	61.8		ug/L		124	65 - 130
sec-Butylbenzene	50.0	57.7		ug/L		115	66 - 130
Styrene	50.0	48.5		ug/L		97	70 - 130
tert-Butylbenzene	50.0	46.9		ug/L		94	64 - 139
1,1,1,2-Tetrachloroethane	50.0	44.2		ug/L		88	67 - 131
1,1,2,2-Tetrachloroethane	50.0	39.1		ug/L		78	70 - 131
Tetrachloroethene	50.0	48.6		ug/L		97	65 - 130
Toluene	50.0	48.4		ug/L		97	70 - 130
trans-1,2-Dichloroethene	50.0	45.1		ug/L		90	70 - 130
trans-1,3-Dichloropropene	50.0	42.5		ug/L		85	63 - 130
1,2,3-Trichlorobenzene	50.0	53.4		ug/L		107	60 - 138
1,2,4-Trichlorobenzene	50.0	54.8		ug/L		110	60 - 140
1,1,1-Trichloroethane	50.0	44.2		ug/L		88	68 - 130
1,1,2-Trichloroethane	50.0	42.0		ug/L		84	70 - 130
Trichloroethene	50.0	46.5		ug/L		93	70 - 130
Trichlorofluoromethane	50.0	47.6		ug/L		95	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517673/1002
Matrix: Water
Analysis Batch: 517673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	50.0	38.8		ug/L		78	70 - 130
1,2,4-Trimethylbenzene	50.0	57.5		ug/L		115	70 - 130
1,3,5-Trimethylbenzene	50.0	54.2		ug/L		108	69 - 130
Vinyl acetate	100	81.4		ug/L		81	26 - 160
Vinyl chloride	50.0	57.7		ug/L		115	59 - 136
Xylenes, Total	100	99.5		ug/L		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*78 - 118*
Dibromofluoromethane	*95*		*81 - 121*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 400-198100-4 MS
Matrix: Water
Analysis Batch: 517673

Client Sample ID: P54-ROX-011121
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	136		ug/L		68	43 - 150
Acrolein	ND		500	558		ug/L		112	38 - 150
Acrylonitrile	ND		500	432		ug/L		86	62 - 149
Benzene	ND		50.0	51.9		ug/L		104	56 - 142
Bromobenzene	ND		50.0	48.7		ug/L		97	59 - 136
Bromochloromethane	ND		50.0	50.8		ug/L		102	64 - 140
Bromodichloromethane	ND		50.0	46.3		ug/L		93	59 - 143
Bromoform	ND		50.0	37.9		ug/L		76	50 - 140
Bromomethane	ND		50.0	55.3		ug/L		111	10 - 150
2-Butanone (MEK)	ND		200	141		ug/L		70	55 - 150
Carbon disulfide	ND		50.0	52.8		ug/L		106	48 - 150
Carbon tetrachloride	ND		50.0	47.3		ug/L		95	55 - 145
Chlorobenzene	ND		50.0	52.0		ug/L		104	64 - 130
Dibromochloromethane	ND		50.0	45.7		ug/L		91	56 - 143
Chloroethane	ND		50.0	59.8		ug/L		120	50 - 150
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150
Chloroform	ND		50.0	49.5		ug/L		99	60 - 141
1-Chlorohexane	ND		50.0	56.8		ug/L		114	56 - 136
Chloromethane	ND		50.0	62.3		ug/L		125	49 - 148
cis-1,2-Dichloroethene	ND		50.0	51.8		ug/L		104	59 - 143
cis-1,3-Dichloropropene	ND		50.0	47.5		ug/L		95	57 - 140
1,2-Dichlorobenzene	ND		50.0	51.3		ug/L		103	52 - 137
1,3-Dichlorobenzene	ND		50.0	53.0		ug/L		106	54 - 135
1,4-Dichlorobenzene	ND		50.0	50.6		ug/L		101	53 - 135
Dichlorodifluoromethane	ND		50.0	57.3		ug/L		115	16 - 150
1,1-Dichloroethane	ND		50.0	54.1		ug/L		108	61 - 144
1,2-Dichloroethane	ND		50.0	45.8		ug/L		92	60 - 141
1,1-Dichloroethene	ND		50.0	48.4		ug/L		97	54 - 147
1,2-Dichloropropane	ND		50.0	51.8		ug/L		104	66 - 137
1,3-Dichloropropane	ND		50.0	47.5		ug/L		95	66 - 133
2,2-Dichloropropane	ND		50.0	49.9		ug/L		100	42 - 144

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198100-4 MS
Matrix: Water
Analysis Batch: 517673

Client Sample ID: P54-ROX-011121
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	ND		50.0	51.0		ug/L		102	65 - 136
Ethylbenzene	ND		50.0	52.5		ug/L		105	58 - 131
Ethyl methacrylate	ND		50.0	43.3		ug/L		87	64 - 130
Hexachlorobutadiene	ND		50.0	52.8		ug/L		106	31 - 149
2-Hexanone	ND		200	171		ug/L		85	65 - 140
Isopropylbenzene	ND		50.0	52.6		ug/L		105	56 - 133
Methylene bromide	ND		50.0	44.2		ug/L		88	63 - 138
Methylene Chloride	ND		50.0	51.3		ug/L		103	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	172		ug/L		86	63 - 146
Methyl tert-butyl ether	ND		50.0	43.8		ug/L		88	59 - 137
m-Xylene & p-Xylene	ND		50.0	51.7		ug/L		103	57 - 130
Naphthalene	ND		50.0	41.7		ug/L		83	25 - 150
n-Butylbenzene	ND	*+	50.0	60.5		ug/L		121	41 - 142
N-Propylbenzene	ND		50.0	51.9		ug/L		104	51 - 138
o-Chlorotoluene	ND		50.0	50.8		ug/L		102	53 - 134
o-Xylene	ND		50.0	53.2		ug/L		106	61 - 130
p-Chlorotoluene	ND		50.0	51.8		ug/L		104	54 - 133
p-Isopropyltoluene	ND		50.0	58.3		ug/L		117	48 - 139
sec-Butylbenzene	ND		50.0	53.9		ug/L		108	50 - 138
Styrene	ND		50.0	52.2		ug/L		104	58 - 131
tert-Butylbenzene	ND		50.0	53.7		ug/L		107	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	49.0		ug/L		98	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	41.8		ug/L		84	66 - 135
Tetrachloroethene	ND		50.0	49.2		ug/L		98	52 - 133
Toluene	ND		50.0	53.4		ug/L		107	65 - 130
trans-1,2-Dichloroethene	ND		50.0	50.6		ug/L		101	61 - 143
trans-1,3-Dichloropropene	ND		50.0	47.0		ug/L		94	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	52.3		ug/L		105	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	53.5		ug/L		107	39 - 148
1,1,1-Trichloroethane	ND		50.0	49.0		ug/L		98	57 - 142
1,1,2-Trichloroethane	ND		50.0	47.8		ug/L		96	66 - 131
Trichloroethene	ND		50.0	49.4		ug/L		99	64 - 136
Trichlorofluoromethane	ND		50.0	52.3		ug/L		105	54 - 150
1,2,3-Trichloropropane	ND		50.0	40.1		ug/L		80	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	57.9		ug/L		116	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	52.4		ug/L		105	52 - 135
Vinyl acetate	ND		100	83.1		ug/L		83	26 - 150
Vinyl chloride	ND		50.0	62.0		ug/L		124	46 - 150
Xylenes, Total	ND		100	105		ug/L		105	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*78 - 118*
Dibromofluoromethane	*98*		*81 - 121*
Toluene-d8 (Surr)	*104*		*80 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198100-4 MSD
Matrix: Water
Analysis Batch: 517673

Client Sample ID: P54-ROX-011121
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		200	139		ug/L		69	43 - 150	2	30
Acrolein	ND		500	556		ug/L		111	38 - 150	0	31
Acrylonitrile	ND		500	448		ug/L		90	62 - 149	4	30
Benzene	ND		50.0	52.9		ug/L		106	56 - 142	2	30
Bromobenzene	ND		50.0	51.0		ug/L		102	59 - 136	5	30
Bromochloromethane	ND		50.0	51.2		ug/L		102	64 - 140	1	30
Bromodichloromethane	ND		50.0	47.4		ug/L		95	59 - 143	2	30
Bromoform	ND		50.0	42.3		ug/L		85	50 - 140	11	30
Bromomethane	ND		50.0	57.3		ug/L		115	10 - 150	3	50
2-Butanone (MEK)	ND		200	147		ug/L		74	55 - 150	4	30
Carbon disulfide	ND		50.0	54.7		ug/L		109	48 - 150	3	30
Carbon tetrachloride	ND		50.0	49.7		ug/L		99	55 - 145	5	30
Chlorobenzene	ND		50.0	53.2		ug/L		106	64 - 130	2	30
Dibromochloromethane	ND		50.0	46.6		ug/L		93	56 - 143	2	30
Chloroethane	ND		50.0	60.1		ug/L		120	50 - 150	1	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	50.3		ug/L		101	60 - 141	1	30
1-Chlorohexane	ND		50.0	57.8		ug/L		116	56 - 136	2	30
Chloromethane	ND		50.0	63.6		ug/L		127	49 - 148	2	31
cis-1,2-Dichloroethene	ND		50.0	53.8		ug/L		108	59 - 143	4	30
cis-1,3-Dichloropropene	ND		50.0	48.8		ug/L		98	57 - 140	3	30
1,2-Dichlorobenzene	ND		50.0	51.8		ug/L		104	52 - 137	1	30
1,3-Dichlorobenzene	ND		50.0	53.5		ug/L		107	54 - 135	1	30
1,4-Dichlorobenzene	ND		50.0	50.5		ug/L		101	53 - 135	0	30
Dichlorodifluoromethane	ND		50.0	56.8		ug/L		114	16 - 150	1	31
1,1-Dichloroethane	ND		50.0	55.5		ug/L		111	61 - 144	3	30
1,2-Dichloroethane	ND		50.0	46.8		ug/L		94	60 - 141	2	30
1,1-Dichloroethene	ND		50.0	50.3		ug/L		101	54 - 147	4	30
1,2-Dichloropropane	ND		50.0	52.6		ug/L		105	66 - 137	1	30
1,3-Dichloropropane	ND		50.0	48.3		ug/L		97	66 - 133	2	30
2,2-Dichloropropane	ND		50.0	51.4		ug/L		103	42 - 144	3	31
1,1-Dichloropropene	ND		50.0	53.7		ug/L		107	65 - 136	5	30
Ethylbenzene	ND		50.0	53.8		ug/L		108	58 - 131	3	30
Ethyl methacrylate	ND		50.0	45.8		ug/L		92	64 - 130	6	30
Hexachlorobutadiene	ND		50.0	52.7		ug/L		105	31 - 149	0	36
2-Hexanone	ND		200	177		ug/L		89	65 - 140	4	30
Isopropylbenzene	ND		50.0	54.8		ug/L		110	56 - 133	4	30
Methylene bromide	ND		50.0	44.7		ug/L		89	63 - 138	1	30
Methylene Chloride	ND		50.0	51.7		ug/L		103	60 - 146	1	32
4-Methyl-2-pentanone (MIBK)	ND		200	174		ug/L		87	63 - 146	1	30
Methyl tert-butyl ether	ND		50.0	45.1		ug/L		90	59 - 137	3	30
m-Xylene & p-Xylene	ND		50.0	52.5		ug/L		105	57 - 130	2	30
Naphthalene	ND		50.0	45.0		ug/L		90	25 - 150	7	30
n-Butylbenzene	ND	*+	50.0	62.9		ug/L		126	41 - 142	4	31
N-Propylbenzene	ND		50.0	54.4		ug/L		109	51 - 138	5	30
o-Chlorotoluene	ND		50.0	51.6		ug/L		103	53 - 134	1	30
o-Xylene	ND		50.0	54.2		ug/L		108	61 - 130	2	30
p-Chlorotoluene	ND		50.0	52.5		ug/L		105	54 - 133	1	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198100-4 MSD
Matrix: Water
Analysis Batch: 517673

Client Sample ID: P54-ROX-011121
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p-Isopropyltoluene	ND		50.0	59.3		ug/L		119	48 - 139	2	30
sec-Butylbenzene	ND		50.0	56.4		ug/L		113	50 - 138	5	30
Styrene	ND		50.0	52.3		ug/L		105	58 - 131	0	30
tert-Butylbenzene	ND		50.0	47.4		ug/L		95	54 - 146	12	30
1,1,1,2-Tetrachloroethane	ND		50.0	49.7		ug/L		99	59 - 137	2	30
1,1,2,2-Tetrachloroethane	ND		50.0	43.6		ug/L		87	66 - 135	4	30
Tetrachloroethene	ND		50.0	50.1		ug/L		100	52 - 133	2	30
Toluene	ND		50.0	54.2		ug/L		108	65 - 130	1	30
trans-1,2-Dichloroethene	ND		50.0	51.0		ug/L		102	61 - 143	1	30
trans-1,3-Dichloropropene	ND		50.0	49.0		ug/L		98	53 - 133	4	30
1,2,3-Trichlorobenzene	ND		50.0	53.7		ug/L		107	43 - 145	3	30
1,2,4-Trichlorobenzene	ND		50.0	54.0		ug/L		108	39 - 148	1	30
1,1,1-Trichloroethane	ND		50.0	50.2		ug/L		100	57 - 142	2	30
1,1,2-Trichloroethane	ND		50.0	48.5		ug/L		97	66 - 131	1	30
Trichloroethene	ND		50.0	50.6		ug/L		101	64 - 136	2	30
Trichlorofluoromethane	ND		50.0	52.5		ug/L		105	54 - 150	0	30
1,2,3-Trichloropropane	ND		50.0	41.7		ug/L		83	65 - 133	4	30
1,2,4-Trimethylbenzene	ND		50.0	58.9		ug/L		118	50 - 139	2	30
1,3,5-Trimethylbenzene	ND		50.0	54.6		ug/L		109	52 - 135	4	30
Vinyl acetate	ND		100	85.0		ug/L		85	26 - 150	2	33
Vinyl chloride	ND		50.0	63.0		ug/L		126	46 - 150	2	30
Xylenes, Total	ND		100	107		ug/L		107	59 - 130	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*78 - 118*
Dibromofluoromethane	*96*		*81 - 121*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 400-517776/6
Matrix: Water
Analysis Batch: 517776

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/19/21 11:00	1
Acrolein	ND		20	10	ug/L			01/19/21 11:00	1
Acrylonitrile	ND		10	2.8	ug/L			01/19/21 11:00	1
Benzene	ND		1.0	0.38	ug/L			01/19/21 11:00	1
Bromobenzene	ND		1.0	0.54	ug/L			01/19/21 11:00	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/19/21 11:00	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Bromoform	ND		5.0	0.71	ug/L			01/19/21 11:00	1
Bromomethane	ND		1.0	0.98	ug/L			01/19/21 11:00	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Chloroethane	ND		1.0	0.76	ug/L			01/19/21 11:00	1
Chloroform	ND		1.0	0.60	ug/L			01/19/21 11:00	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517776/6
Matrix: Water
Analysis Batch: 517776

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Chlorohexane	ND		1.0	0.70	ug/L			01/19/21 11:00	1
Chloromethane	ND		1.0	0.83	ug/L			01/19/21 11:00	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/19/21 11:00	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/19/21 11:00	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/19/21 11:00	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/19/21 11:00	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/19/21 11:00	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/19/21 11:00	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/19/21 11:00	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/19/21 11:00	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/19/21 11:00	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/19/21 11:00	1
Methylene bromide	ND		5.0	0.59	ug/L			01/19/21 11:00	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/19/21 11:00	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/19/21 11:00	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/19/21 11:00	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/19/21 11:00	1
Naphthalene	ND		1.0	1.0	ug/L			01/19/21 11:00	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/19/21 11:00	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/19/21 11:00	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/19/21 11:00	1
o-Xylene	ND		5.0	0.60	ug/L			01/19/21 11:00	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/19/21 11:00	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/19/21 11:00	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/19/21 11:00	1
Styrene	ND		1.0	1.0	ug/L			01/19/21 11:00	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/19/21 11:00	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/19/21 11:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/19/21 11:00	1
Toluene	ND		1.0	0.41	ug/L			01/19/21 11:00	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/19/21 11:00	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/19/21 11:00	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/19/21 11:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/19/21 11:00	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/19/21 11:00	1
Trichloroethene	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/19/21 11:00	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/19/21 11:00	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/19/21 11:00	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/19/21 11:00	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517776/6
Matrix: Water
Analysis Batch: 517776

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	ND		25	2.0	ug/L			01/19/21 11:00	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Xylenes, Total	ND		10	1.6	ug/L			01/19/21 11:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*01/19/21 11:00*	*1*
Dibromofluoromethane	*88*		*81 - 121*		*01/19/21 11:00*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/19/21 11:00*	*1*

Lab Sample ID: LCS 400-517776/1002
Matrix: Water
Analysis Batch: 517776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	124		ug/L		62	43 - 160
Acrolein	500	325		ug/L		65	38 - 160
Acrylonitrile	500	337		ug/L		67	64 - 142
Benzene	50.0	49.7		ug/L		99	70 - 130
Bromobenzene	50.0	50.9		ug/L		102	70 - 132
Bromochloromethane	50.0	50.0		ug/L		100	70 - 130
Bromodichloromethane	50.0	51.3		ug/L		103	67 - 133
Bromoform	50.0	38.7		ug/L		77	57 - 140
Bromomethane	50.0	43.5		ug/L		87	10 - 160
Carbon disulfide	50.0	47.3		ug/L		95	61 - 137
Carbon tetrachloride	50.0	45.7		ug/L		91	61 - 137
Chlorobenzene	50.0	53.7		ug/L		107	70 - 130
Dibromochloromethane	50.0	44.7		ug/L		89	67 - 135
Chloroethane	50.0	47.1		ug/L		94	55 - 141
Chloroform	50.0	47.0		ug/L		94	69 - 130
1-Chlorohexane	50.0	60.0		ug/L		120	69 - 130
Chloromethane	50.0	60.3		ug/L		121	58 - 137
cis-1,2-Dichloroethene	50.0	45.1		ug/L		90	68 - 130
cis-1,3-Dichloropropene	50.0	59.9		ug/L		120	69 - 132
1,2-Dichlorobenzene	50.0	46.6		ug/L		93	67 - 130
1,3-Dichlorobenzene	50.0	52.5		ug/L		105	70 - 130
1,4-Dichlorobenzene	50.0	52.5		ug/L		105	70 - 130
Dichlorodifluoromethane	50.0	57.5		ug/L		115	41 - 146
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	37.3		ug/L		75	69 - 130
1,1-Dichloroethene	50.0	47.3		ug/L		95	63 - 134
1,2-Dichloropropane	50.0	51.1		ug/L		102	70 - 130
1,3-Dichloropropane	50.0	41.7		ug/L		83	70 - 130
2,2-Dichloropropane	50.0	42.4		ug/L		85	52 - 135
1,1-Dichloropropene	50.0	48.6		ug/L		97	70 - 130
Ethylbenzene	50.0	53.9		ug/L		108	70 - 130
Ethyl methacrylate	50.0	38.3		ug/L		77	68 - 130
Hexachlorobutadiene	50.0	47.7		ug/L		95	53 - 140
Isopropylbenzene	50.0	57.9		ug/L		116	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517776/1002
Matrix: Water
Analysis Batch: 517776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene bromide	50.0	41.6		ug/L		83	70 - 130
Methylene Chloride	50.0	47.9		ug/L		96	66 - 135
4-Methyl-2-pentanone (MIBK)	200	154		ug/L		77	69 - 138
Methyl tert-butyl ether	50.0	33.1		ug/L		66	66 - 130
m-Xylene & p-Xylene	50.0	54.2		ug/L		108	70 - 130
Naphthalene	50.0	38.5		ug/L		77	47 - 149
n-Butylbenzene	50.0	49.0		ug/L		98	67 - 130
N-Propylbenzene	50.0	56.2		ug/L		112	70 - 130
o-Chlorotoluene	50.0	47.6		ug/L		95	70 - 130
o-Xylene	50.0	51.2		ug/L		102	70 - 130
p-Chlorotoluene	50.0	50.2		ug/L		100	70 - 130
p-Isopropyltoluene	50.0	53.6		ug/L		107	65 - 130
sec-Butylbenzene	50.0	56.2		ug/L		112	66 - 130
Styrene	50.0	54.8		ug/L		110	70 - 130
tert-Butylbenzene	50.0	45.4		ug/L		91	64 - 139
1,1,1,2-Tetrachloroethane	50.0	54.8		ug/L		110	67 - 131
1,1,2,2-Tetrachloroethane	50.0	37.3		ug/L		75	70 - 131
Tetrachloroethene	50.0	60.6		ug/L		121	65 - 130
Toluene	50.0	56.4		ug/L		113	70 - 130
trans-1,2-Dichloroethene	50.0	48.8		ug/L		98	70 - 130
trans-1,3-Dichloropropene	50.0	46.5		ug/L		93	63 - 130
1,2,3-Trichlorobenzene	50.0	45.2		ug/L		90	60 - 138
1,2,4-Trichlorobenzene	50.0	49.8		ug/L		100	60 - 140
1,1,1-Trichloroethane	50.0	49.3		ug/L		99	68 - 130
1,1,2-Trichloroethane	50.0	45.9		ug/L		92	70 - 130
Trichloroethene	50.0	60.3		ug/L		121	70 - 130
Trichlorofluoromethane	50.0	46.1		ug/L		92	65 - 138
1,2,3-Trichloropropane	50.0	35.9		ug/L		72	70 - 130
1,2,4-Trimethylbenzene	50.0	50.4		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	50.0	54.5		ug/L		109	69 - 130
Vinyl acetate	100	72.6		ug/L		73	26 - 160
Vinyl chloride	50.0	54.6		ug/L		109	59 - 136
Xylenes, Total	100	105		ug/L		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*78 - 118*
Dibromofluoromethane	*90*		*81 - 121*
Toluene-d8 (Surr)	*102*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-517254/1-A
Matrix: Water
Analysis Batch: 517448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/13/21 08:31	01/14/21 14:14	1
Benzenethiol	ND		10	1.7	ug/L		01/13/21 08:31	01/14/21 14:14	1
Benzoic acid	ND		30	7.3	ug/L		01/13/21 08:31	01/14/21 14:14	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517254/1-A
Matrix: Water
Analysis Batch: 517448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	ND		10	2.0	ug/L		01/13/21 08:31	01/14/21 14:14	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		01/13/21 08:31	01/14/21 14:14	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		01/13/21 08:31	01/14/21 14:14	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		01/13/21 08:31	01/14/21 14:14	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		01/13/21 08:31	01/14/21 14:14	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		01/13/21 08:31	01/14/21 14:14	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		01/13/21 08:31	01/14/21 14:14	1
4-Chloroaniline	ND		10	3.4	ug/L		01/13/21 08:31	01/14/21 14:14	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/13/21 08:31	01/14/21 14:14	1
2-Chloronaphthalene	ND		10	0.14	ug/L		01/13/21 08:31	01/14/21 14:14	1
2-Chlorophenol	ND		10	2.2	ug/L		01/13/21 08:31	01/14/21 14:14	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/13/21 08:31	01/14/21 14:14	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/13/21 08:31	01/14/21 14:14	1
Dibenzofuran	ND		10	0.17	ug/L		01/13/21 08:31	01/14/21 14:14	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/13/21 08:31	01/14/21 14:14	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/13/21 08:31	01/14/21 14:14	1
Diethyl phthalate	ND		10	0.24	ug/L		01/13/21 08:31	01/14/21 14:14	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/13/21 08:31	01/14/21 14:14	1
Dimethyl phthalate	ND		10	0.17	ug/L		01/13/21 08:31	01/14/21 14:14	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/13/21 08:31	01/14/21 14:14	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		01/13/21 08:31	01/14/21 14:14	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/13/21 08:31	01/14/21 14:14	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/13/21 08:31	01/14/21 14:14	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/13/21 08:31	01/14/21 14:14	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		01/13/21 08:31	01/14/21 14:14	1
1,4-Dioxane	ND		10	1.0	ug/L		01/13/21 08:31	01/14/21 14:14	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/13/21 08:31	01/14/21 14:14	1
Hexachlorobenzene	ND		10	0.17	ug/L		01/13/21 08:31	01/14/21 14:14	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/13/21 08:31	01/14/21 14:14	1
Hexachloroethane	ND		10	4.2	ug/L		01/13/21 08:31	01/14/21 14:14	1
Indene	ND		10	1.0	ug/L		01/13/21 08:31	01/14/21 14:14	1
Isophorone	ND		10	0.14	ug/L		01/13/21 08:31	01/14/21 14:14	1
2-Methylphenol	ND		10	1.8	ug/L		01/13/21 08:31	01/14/21 14:14	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		01/13/21 08:31	01/14/21 14:14	1
2-Nitroaniline	ND		10	2.2	ug/L		01/13/21 08:31	01/14/21 14:14	1
3-Nitroaniline	ND		10	1.8	ug/L		01/13/21 08:31	01/14/21 14:14	1
4-Nitroaniline	ND		10	1.5	ug/L		01/13/21 08:31	01/14/21 14:14	1
Nitrobenzene	ND		10	0.13	ug/L		01/13/21 08:31	01/14/21 14:14	1
2-Nitrophenol	ND		10	5.2	ug/L		01/13/21 08:31	01/14/21 14:14	1
4-Nitrophenol	ND		10	2.1	ug/L		01/13/21 08:31	01/14/21 14:14	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/13/21 08:31	01/14/21 14:14	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/13/21 08:31	01/14/21 14:14	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		01/13/21 08:31	01/14/21 14:14	1
Pentachlorophenol	ND		20	1.4	ug/L		01/13/21 08:31	01/14/21 14:14	1
Phenol	ND		10	2.6	ug/L		01/13/21 08:31	01/14/21 14:14	1
Pyridine	ND		10	3.2	ug/L		01/13/21 08:31	01/14/21 14:14	1
Quinoline	ND		10	4.5	ug/L		01/13/21 08:31	01/14/21 14:14	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/13/21 08:31	01/14/21 14:14	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517254/1-A
Matrix: Water
Analysis Batch: 517448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/13/21 08:31	01/14/21 14:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*46 - 124*	*01/13/21 08:31*	*01/14/21 14:14*	*1*
2-Fluorophenol	*39*		*13 - 113*	*01/13/21 08:31*	*01/14/21 14:14*	*1*
Nitrobenzene-d5	*77*		*36 - 126*	*01/13/21 08:31*	*01/14/21 14:14*	*1*
Phenol-d5	*71*		*17 - 127*	*01/13/21 08:31*	*01/14/21 14:14*	*1*
Terphenyl-d14	*71*		*44 - 149*	*01/13/21 08:31*	*01/14/21 14:14*	*1*
2,4,6-Tribromophenol	*70*		*26 - 150*	*01/13/21 08:31*	*01/14/21 14:14*	*1*

Lab Sample ID: LCS 400-517254/2-A
Matrix: Water
Analysis Batch: 517448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	211	*+	ug/L		176	21 - 120
Benzoic acid	502	221		ug/L		44	10 - 144
Benzyl alcohol	120	109		ug/L		91	28 - 120
Bis(2-chloroethoxy)methane	120	98.1		ug/L		82	47 - 120
Bis(2-chloroethyl)ether	120	114		ug/L		95	44 - 120
bis (2-chloroisopropyl) ether	120	97.9		ug/L		82	33 - 121
Bis(2-ethylhexyl) phthalate	120	106		ug/L		88	52 - 147
4-Bromophenyl phenyl ether	120	107		ug/L		89	54 - 122
Butyl benzyl phthalate	120	113		ug/L		94	54 - 133
4-Chloroaniline	120	92.4		ug/L		77	26 - 120
4-Chloro-3-methylphenol	120	106		ug/L		88	48 - 131
2-Chloronaphthalene	120	111		ug/L		93	52 - 121
2-Chlorophenol	120	93.9		ug/L		78	40 - 120
4-Chlorophenyl phenyl ether	120	118		ug/L		98	56 - 125
Dibenz[a,h]acridine	120	119		ug/L		99	31 - 150
Dibenzofuran	120	111		ug/L		93	56 - 122
3,3'-Dichlorobenzidine	160	179		ug/L		112	36 - 132
2,4-Dichlorophenol	120	100		ug/L		84	49 - 120
Diethyl phthalate	120	112		ug/L		93	50 - 137
2,4-Dimethylphenol	120	100		ug/L		83	48 - 120
Dimethyl phthalate	120	114		ug/L		95	57 - 124
Di-n-butyl phthalate	120	116		ug/L		97	58 - 126
4,6-Dinitro-ortho-cresol	240	254		ug/L		106	23 - 148
2,4-Dinitrophenol	240	304		ug/L		127	10 - 150
2,4-Dinitrotoluene	120	126		ug/L		105	54 - 142
2,6-Dinitrotoluene	120	117		ug/L		98	55 - 130
Di-n-octyl phthalate	120	123		ug/L		102	57 - 138
1,4-Dioxane	120	76.2		ug/L		63	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	105		ug/L		87	45 - 124
Hexachlorobenzene	120	111		ug/L		92	52 - 129
Hexachlorocyclopentadiene	120	105		ug/L		87	10 - 134
Hexachloroethane	120	96.4		ug/L		80	20 - 120
Indene	120	109		ug/L		91	49 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517254/2-A
Matrix: Water
Analysis Batch: 517448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isophorone	120	101		ug/L		84	48 - 120
2-Methylphenol	120	96.9		ug/L		81	46 - 124
3 & 4 Methylphenol	120	88.3		ug/L		74	45 - 120
2-Nitroaniline	120	118		ug/L		98	51 - 145
3-Nitroaniline	120	113		ug/L		94	37 - 127
4-Nitroaniline	120	119		ug/L		99	36 - 137
Nitrobenzene	120	98.6		ug/L		82	45 - 120
2-Nitrophenol	120	104		ug/L		86	40 - 124
4-Nitrophenol	240	264		ug/L		110	23 - 146
N-Nitrosodimethylamine	120	96.7		ug/L		81	29 - 137
N-Nitrosodi-n-propylamine	120	102		ug/L		85	45 - 120
N-Nitrosodiphenylamine	119	112		ug/L		94	54 - 120
Pentachlorophenol	240	272		ug/L		113	31 - 130
Phenol	120	96.2		ug/L		80	11 - 120
Pyridine	240	148		ug/L		62	16 - 120
Quinoline	120	133		ug/L		111	49 - 130
2,4,5-Trichlorophenol	120	116		ug/L		97	51 - 136
2,4,6-Trichlorophenol	120	121		ug/L		101	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*93*		*46 - 124*
2-Fluorophenol	*58*		*13 - 113*
Nitrobenzene-d5	*89*		*36 - 126*
Phenol-d5	*79*		*17 - 127*
Terphenyl-d14	*82*		*44 - 149*
2,4,6-Tribromophenol	*90*		*26 - 150*

Lab Sample ID: LCS 400-517254/3-A
Matrix: Water
Analysis Batch: 517448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	3.36	J *-	ug/L		3	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*100*		*46 - 124*
2-Fluorophenol	*36*		*13 - 113*
Nitrobenzene-d5	*83*		*36 - 126*
Phenol-d5	*70*		*17 - 127*
Terphenyl-d14	*85*		*44 - 149*
2,4,6-Tribromophenol	*54*		*26 - 150*

Lab Sample ID: LCSD 400-517254/4-A
Matrix: Water
Analysis Batch: 517448

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	58.5	*1	ug/L		49	10 - 120	178	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-517254/4-A
Matrix: Water
Analysis Batch: 517448

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517254

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	103		46 - 124
2-Fluorophenol	37		13 - 113
Nitrobenzene-d5	84		36 - 126
Phenol-d5	66		17 - 127
Terphenyl-d14	90		44 - 149
2,4,6-Tribromophenol	69		26 - 150

Lab Sample ID: 400-198100-4 MS
Matrix: Water
Analysis Batch: 517448

Client Sample ID: P54-ROX-011121
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND	F1 *+	127	174	F1	ug/L		137	10 - 120
Benzoic acid	ND		530	379		ug/L		71	10 - 149
Benzyl alcohol	ND		127	122		ug/L		96	33 - 120
Bis(2-chloroethoxy)methane	ND		127	104		ug/L		82	26 - 120
Bis(2-chloroethyl)ether	ND		127	104		ug/L		82	42 - 120
bis (2-chloroisopropyl) ether	ND		127	104		ug/L		82	28 - 120
Bis(2-ethylhexyl) phthalate	ND		127	115		ug/L		91	39 - 120
4-Bromophenyl phenyl ether	ND		127	123		ug/L		97	40 - 120
Butyl benzyl phthalate	ND		127	122		ug/L		96	45 - 120
4-Chloroaniline	ND		127	76.0		ug/L		60	10 - 120
4-Chloro-3-methylphenol	ND		127	118		ug/L		93	34 - 120
2-Chloronaphthalene	ND		127	122		ug/L		96	39 - 120
2-Chlorophenol	ND		127	84.9		ug/L		67	25 - 120
4-Chlorophenyl phenyl ether	ND		127	130		ug/L		102	44 - 120
Dibenz[a,h]acridine	ND		127	136		ug/L		107	50 - 150
Dibenzofuran	ND		127	122		ug/L		96	25 - 130
3,3'-Dichlorobenzidine	ND		169	200		ug/L		118	10 - 120
2,4-Dichlorophenol	ND		127	105		ug/L		83	31 - 120
Diethyl phthalate	ND		127	123		ug/L		97	46 - 120
2,4-Dimethylphenol	ND		127	109		ug/L		86	21 - 120
Dimethyl phthalate	ND		127	124		ug/L		98	38 - 120
Di-n-butyl phthalate	ND		127	127		ug/L		100	49 - 120
4,6-Dinitro-ortho-cresol	ND		254	277		ug/L		109	25 - 120
2,4-Dinitrophenol	ND		254	337		ug/L		133	15 - 140
2,4-Dinitrotoluene	ND		127	138		ug/L		109	53 - 120
2,6-Dinitrotoluene	ND		127	128		ug/L		101	43 - 120
Di-n-octyl phthalate	ND		127	133		ug/L		105	35 - 121
1,4-Dioxane	ND		127	65.1		ug/L		51	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND		127	115		ug/L		91	50 - 150
Hexachlorobenzene	ND		127	126		ug/L		99	38 - 122
Hexachlorocyclopentadiene	ND		127	129		ug/L		102	10 - 120
Hexachloroethane	ND		127	105		ug/L		82	10 - 150
Indene	ND		127	117		ug/L		92	50 - 150
Isophorone	ND		127	109		ug/L		86	42 - 120
2-Methylphenol	ND		127	102		ug/L		80	28 - 120
3 & 4 Methylphenol	ND		127	92.8		ug/L		73	31 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198100-4 MS
Matrix: Water
Analysis Batch: 517448

Client Sample ID: P54-ROX-011121
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitroaniline	ND		127	126		ug/L		99	45 - 120
3-Nitroaniline	ND		127	124		ug/L		98	10 - 130
4-Nitroaniline	ND		127	125		ug/L		98	10 - 132
Nitrobenzene	ND		127	108		ug/L		86	39 - 120
2-Nitrophenol	ND		127	105		ug/L		82	33 - 120
4-Nitrophenol	ND		254	292		ug/L		115	10 - 120
N-Nitrosodimethylamine	ND		127	107		ug/L		84	10 - 139
N-Nitrosodi-n-propylamine	ND		127	110		ug/L		86	37 - 124
N-Nitrosodiphenylamine	ND		126	124		ug/L		98	10 - 150
Pentachlorophenol	ND		254	316		ug/L		125	29 - 130
Phenol	ND		127	118		ug/L		93	10 - 150
Pyridine	ND		254	123		ug/L		49	10 - 120
Quinoline	ND		127	147		ug/L		116	51 - 120
2,4,5-Trichlorophenol	ND		127	131		ug/L		103	34 - 120
2,4,6-Trichlorophenol	ND		127	130		ug/L		103	33 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*95*		*46 - 124*
2-Fluorophenol	*37*		*13 - 113*
Nitrobenzene-d5	*81*		*36 - 126*
Phenol-d5	*73*		*17 - 127*
Terphenyl-d14	*82*		*44 - 149*
2,4,6-Tribromophenol	*96*		*26 - 150*

Lab Sample ID: 400-198100-4 MSD
Matrix: Water
Analysis Batch: 517448

Client Sample ID: P54-ROX-011121
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND	F1 *+	126	108		ug/L		86	10 - 120	47	63
Benzoic acid	ND		525	320		ug/L		61	10 - 149	17	49
Benzyl alcohol	ND		126	106		ug/L		85	33 - 120	13	37
Bis(2-chloroethoxy)methane	ND		126	94.4		ug/L		75	26 - 120	10	70
Bis(2-chloroethyl)ether	ND		126	90.5		ug/L		72	42 - 120	14	42
bis (2-chloroisopropyl) ether	ND		126	93.2		ug/L		74	28 - 120	11	41
Bis(2-ethylhexyl) phthalate	ND		126	104		ug/L		83	39 - 120	10	35
4-Bromophenyl phenyl ether	ND		126	107		ug/L		85	40 - 120	14	30
Butyl benzyl phthalate	ND		126	112		ug/L		89	45 - 120	8	32
4-Chloroaniline	ND		126	68.6		ug/L		55	10 - 120	10	94
4-Chloro-3-methylphenol	ND		126	101		ug/L		80	34 - 120	16	40
2-Chloronaphthalene	ND		126	108		ug/L		86	39 - 120	12	29
2-Chlorophenol	ND		126	82.3		ug/L		66	25 - 120	3	42
4-Chlorophenyl phenyl ether	ND		126	115		ug/L		92	44 - 120	12	27
Dibenz[a,h]acridine	ND		126	114		ug/L		91	50 - 150	17	40
Dibenzofuran	ND		126	108		ug/L		86	25 - 130	13	29
3,3'-Dichlorobenzidine	ND		167	163		ug/L		97	10 - 120	20	58
2,4-Dichlorophenol	ND		126	93.8		ug/L		75	31 - 120	11	43
Diethyl phthalate	ND		126	109		ug/L		87	46 - 120	12	40

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198100-4 MSD
Matrix: Water
Analysis Batch: 517448

Client Sample ID: P54-ROX-011121
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dimethylphenol	ND		126	89.4		ug/L		71	21 - 120	20	47
Dimethyl phthalate	ND		126	110		ug/L		88	38 - 120	12	36
Di-n-butyl phthalate	ND		126	114		ug/L		91	49 - 120	11	32
4,6-Dinitro-ortho-cresol	ND		251	240		ug/L		96	25 - 120	14	42
2,4-Dinitrophenol	ND		251	288		ug/L		115	15 - 140	16	36
2,4-Dinitrotoluene	ND		126	122		ug/L		97	53 - 120	13	28
2,6-Dinitrotoluene	ND		126	114		ug/L		91	43 - 120	12	28
Di-n-octyl phthalate	ND		126	120		ug/L		96	35 - 121	10	35
1,4-Dioxane	ND		126	70.3		ug/L		56	50 - 150	8	40
1,2-Diphenylhydrazine (as Azobenzene)	ND		126	102		ug/L		81	50 - 150	12	40
Hexachlorobenzene	ND		126	109		ug/L		87	38 - 122	15	33
Hexachlorocyclopentadiene	ND		126	112		ug/L		89	10 - 120	15	50
Hexachloroethane	ND		126	95.1		ug/L		76	10 - 150	9	41
Indene	ND		126	104		ug/L		83	50 - 150	11	40
Isophorone	ND		126	96.9		ug/L		77	42 - 120	11	33
2-Methylphenol	ND		126	87.0		ug/L		69	28 - 120	16	47
3 & 4 Methylphenol	ND		126	82.3		ug/L		66	31 - 120	12	47
2-Nitroaniline	ND		126	112		ug/L		89	45 - 120	12	33
3-Nitroaniline	ND		126	108		ug/L		86	10 - 130	14	39
4-Nitroaniline	ND		126	112		ug/L		89	10 - 132	11	50
Nitrobenzene	ND		126	96.7		ug/L		77	39 - 120	11	35
2-Nitrophenol	ND		126	103		ug/L		82	33 - 120	2	43
4-Nitrophenol	ND		251	246		ug/L		98	10 - 120	17	82
N-Nitrosodimethylamine	ND		126	91.7		ug/L		73	10 - 139	15	62
N-Nitrosodi-n-propylamine	ND		126	99.5		ug/L		79	37 - 124	10	36
N-Nitrosodiphenylamine	ND		125	98.3		ug/L		79	10 - 150	23	34
Pentachlorophenol	ND		251	266		ug/L		106	29 - 130	17	42
Phenol	ND		126	107		ug/L		85	10 - 150	10	52
Pyridine	ND		251	137		ug/L		55	10 - 120	11	55
Quinoline	ND		126	125		ug/L		99	51 - 120	16	40
2,4,5-Trichlorophenol	ND		126	115		ug/L		92	34 - 120	13	42
2,4,6-Trichlorophenol	ND		126	113		ug/L		90	33 - 120	14	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*46 - 124*
2-Fluorophenol	*39*		*13 - 113*
Nitrobenzene-d5	*73*		*36 - 126*
Phenol-d5	*67*		*17 - 127*
Terphenyl-d14	*76*		*44 - 149*
2,4,6-Tribromophenol	*80*		*26 - 150*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-517254/1-A
Matrix: Water
Analysis Batch: 517474

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		01/13/21 08:31	01/14/21 16:46	1
Acenaphthylene	ND		0.20	0.045	ug/L		01/13/21 08:31	01/14/21 16:46	1
Anthracene	ND		0.20	0.032	ug/L		01/13/21 08:31	01/14/21 16:46	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		01/13/21 08:31	01/14/21 16:46	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		01/13/21 08:31	01/14/21 16:46	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		01/13/21 08:31	01/14/21 16:46	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		01/13/21 08:31	01/14/21 16:46	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		01/13/21 08:31	01/14/21 16:46	1
Chrysene	ND		0.20	0.074	ug/L		01/13/21 08:31	01/14/21 16:46	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		01/13/21 08:31	01/14/21 16:46	1
Fluoranthene	ND		0.20	0.068	ug/L		01/13/21 08:31	01/14/21 16:46	1
Fluorene	ND		0.20	0.11	ug/L		01/13/21 08:31	01/14/21 16:46	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		01/13/21 08:31	01/14/21 16:46	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		01/13/21 08:31	01/14/21 16:46	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		01/13/21 08:31	01/14/21 16:46	1
Phenanthrene	ND		0.20	0.036	ug/L		01/13/21 08:31	01/14/21 16:46	1
Pyrene	ND		0.20	0.040	ug/L		01/13/21 08:31	01/14/21 16:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*15 - 122*	*01/13/21 08:31*	*01/14/21 16:46*	*1*
Nitrobenzene-d5	*64*		*19 - 130*	*01/13/21 08:31*	*01/14/21 16:46*	*1*
Terphenyl-d14	*76*		*33 - 138*	*01/13/21 08:31*	*01/14/21 16:46*	*1*

Lab Sample ID: LCS 400-517254/2-A
Matrix: Water
Analysis Batch: 517474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	116		ug/L		97	41 - 120
Acenaphthylene	120	119		ug/L		99	44 - 120
Anthracene	120	123		ug/L		103	49 - 120
Benzo[a]anthracene	120	115		ug/L		95	61 - 135
Benzo[a]pyrene	120	119		ug/L		99	52 - 120
Benzo[b]fluoranthene	120	118		ug/L		98	53 - 134
Benzo[g,h,i]perylene	120	65.6		ug/L		55	47 - 133
Benzo[k]fluoranthene	120	112		ug/L		93	57 - 134
Chrysene	120	114		ug/L		95	55 - 122
Dibenz(a,h)anthracene	120	139		ug/L		116	48 - 146
Fluoranthene	120	117		ug/L		97	54 - 128
Fluorene	120	122		ug/L		102	45 - 125
Indeno[1,2,3-cd]pyrene	120	130		ug/L		108	43 - 142
1-Methylnaphthalene	120	91.6		ug/L		76	41 - 120
2-Methylnaphthalene	120	95.3		ug/L		79	32 - 124
Phenanthrene	120	121		ug/L		101	48 - 120
Pyrene	120	112		ug/L		93	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*15 - 122*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-517254/2-A
Matrix: Water
Analysis Batch: 517474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517254

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	71		19 - 130
Terphenyl-d14	94		33 - 138

Lab Sample ID: 400-198100-4 MS
Matrix: Water
Analysis Batch: 517474

Client Sample ID: P54-ROX-011121
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		127	128		ug/L		101	35 - 113
Acenaphthylene	ND		127	127		ug/L		100	41 - 118
Anthracene	ND		127	132		ug/L		104	45 - 122
Benzo[a]anthracene	0.093	J	127	125		ug/L		98	55 - 133
Benzo[a]pyrene	0.057	J	127	131		ug/L		103	50 - 108
Benzo[b]fluoranthene	0.036	J	127	134		ug/L		105	50 - 128
Benzo[g,h,i]perylene	ND		127	139		ug/L		109	46 - 133
Benzo[k]fluoranthene	ND		127	121		ug/L		95	52 - 128
Chrysene	ND		127	126		ug/L		99	52 - 116
Dibenz(a,h)anthracene	ND		127	148		ug/L		116	52 - 143
Fluoranthene	0.074	J	127	129		ug/L		102	32 - 150
Fluorene	ND		127	132		ug/L		104	15 - 150
Indeno[1,2,3-cd]pyrene	ND		127	139		ug/L		110	41 - 141
1-Methylnaphthalene	ND		127	102		ug/L		80	10 - 150
2-Methylnaphthalene	ND		127	103		ug/L		82	10 - 150
Phenanthrene	ND		127	132		ug/L		104	36 - 125
Pyrene	ND		127	136		ug/L		107	41 - 127

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	95		15 - 122
Nitrobenzene-d5	84		19 - 130
Terphenyl-d14	101		33 - 138

Lab Sample ID: 400-198100-4 MSD
Matrix: Water
Analysis Batch: 517474

Client Sample ID: P54-ROX-011121
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		126	108		ug/L		86	35 - 113	17	49
Acenaphthylene	ND		126	112		ug/L		89	41 - 118	13	48
Anthracene	ND		126	112		ug/L		89	45 - 122	16	56
Benzo[a]anthracene	0.093	J	126	108		ug/L		86	55 - 133	14	57
Benzo[a]pyrene	0.057	J	126	112		ug/L		89	50 - 108	16	59
Benzo[b]fluoranthene	0.036	J	126	106		ug/L		85	50 - 128	23	62
Benzo[g,h,i]perylene	ND		126	122		ug/L		97	46 - 133	13	58
Benzo[k]fluoranthene	ND		126	110		ug/L		88	52 - 128	9	58
Chrysene	ND		126	110		ug/L		87	52 - 116	14	59
Dibenz(a,h)anthracene	ND		126	128		ug/L		102	52 - 143	14	60
Fluoranthene	0.074	J	126	112		ug/L		89	32 - 150	15	59
Fluorene	ND		126	116		ug/L		92	15 - 150	13	49

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 400-198100-4 MSD
Matrix: Water
Analysis Batch: 517474

Client Sample ID: P54-ROX-011121
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Indeno[1,2,3-cd]pyrene	ND		126	120		ug/L		96	41 - 141	14	58
1-Methylnaphthalene	ND		126	88.1		ug/L		70	10 - 150	14	66
2-Methylnaphthalene	ND		126	93.3		ug/L		74	10 - 150	10	66
Phenanthrene	ND		126	113		ug/L		90	36 - 125	15	69
Pyrene	ND		126	107		ug/L		85	41 - 127	24	58

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*15 - 122*
Nitrobenzene-d5	*83*		*19 - 130*
Terphenyl-d14	*83*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-517551/1-A
Matrix: Water
Analysis Batch: 517591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517551

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/15/21 10:02	01/15/21 13:50	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/15/21 10:02	01/15/21 13:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*51 - 149*	*01/15/21 10:02*	*01/15/21 13:50*	*1*

Lab Sample ID: LCS 400-517551/2-A
Matrix: Water
Analysis Batch: 517591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517551

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.129		ug/L		129	60 - 140
1,2-Dibromoethane	0.101	0.121		ug/L		120	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*51 - 149*

Lab Sample ID: LCSD 400-517551/3-A
Matrix: Water
Analysis Batch: 517591

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517551

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.101	0.130		ug/L		130	60 - 140	1	30
1,2-Dibromoethane	0.101	0.119		ug/L		118	60 - 140	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*51 - 149*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: 400-198100-4 MS
Matrix: Water
Analysis Batch: 517591

Client Sample ID: P54-ROX-011121
Prep Type: Total/NA
Prep Batch: 517551

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND		0.0996	0.131		ug/L		131	65 - 135
1,2-Dibromoethane	ND	F2	0.0999	0.119		ug/L		119	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*51 - 149*

Lab Sample ID: 400-198100-4 MSD
Matrix: Water
Analysis Batch: 517591

Client Sample ID: P54-ROX-011121
Prep Type: Total/NA
Prep Batch: 517551

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	ND		0.103	0.143	F1	ug/L		140	65 - 135	9	20
1,2-Dibromoethane	ND	F2	0.103	0.128	F2	ug/L		124	65 - 135	48	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*105*	*p*	*51 - 149*

Lab Sample ID: MB 400-517923/1-A
Matrix: Water
Analysis Batch: 517997

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517923

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/20/21 09:13	01/20/21 15:14	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/20/21 09:13	01/20/21 15:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*51 - 149*	*01/20/21 09:13*	*01/20/21 15:14*	*1*

Lab Sample ID: LCS 400-517923/2-A
Matrix: Water
Analysis Batch: 517997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517923

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.127		ug/L		127	60 - 140
1,2-Dibromoethane	0.101	0.117		ug/L		116	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*51 - 149*

Lab Sample ID: LCSD 400-517923/3-A
Matrix: Water
Analysis Batch: 517997

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517923

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.101	0.120		ug/L		119	60 - 140	6	30
1,2-Dibromoethane	0.101	0.113		ug/L		112	60 - 140	3	30

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCSD 400-517923/3-A
Matrix: Water
Analysis Batch: 517997

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517923

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	93		51 - 149

LAB (LOCATION)

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))

☐ Other Lab Vendor # 1364589 (TestAmerica))

Shell Oil Products US Chain Of Custody Record

AECOM

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL

☐ CHEMICALS ☐ CONSULTANT ☐ LUBES

☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES_____

Print Bill To Contact Name:	PlaNet Site or Project ID
Bob Mooshegian	25278
PO #	GSAP Project ID
60648474 – 3.2.1F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES DATE: 1-11-21

PAGE: 1 of 2

SAMPLING COMPANY: AECOM

LOG CODE:

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington

TELEPHONE: 314-429-0100 FAX: 314-429-0462

Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60648474 – 3.2.1F

EDF DELIVERABLE TO (Name, Company, Office Location): Elizabeth Kunkel, AECOM, St. Louis, MO; Melissa Remiger, Bob Billman, Wendy Pennington

PHONE NO.: 314-802-1171; 314-449-2913; 314-802-1122

E-MAIL: elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com, bob.billman@aecom.com, wendy.pennington@aecom.com

AECOM Other ID

SAMPLER NAME(S) (Print): M D'Angelo J Mayer

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):

☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
* Please include "J" values on Reports
* Please provide sample receipt upon login

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
NON-UNIT COST
60648474 – 3.2.1F

400-198100 COC

FIELD NOTES:
TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL
	TB-ROX-011121-8260-A	1/11/21	0000	water	2					2	X			
	TB-ROX-011121-8011-A		0000		2					2			X	
	MW5-ROX-011121		0920		6			2		8	X	X	X	X
	P54-ROX-011121		1050		6			2		8	X	X	X	X
	P54-ROX-011121-MS		1050		6			2		8	X	X	X	X
	P54-ROX-011121-MSD		1050		6			2		8	X	X	X	X
	MW24-ROX-011121		1215		6			2		8	X	X	X	X

M D'Angelo 1/11/21

	Received by: (Signature)	Date	Time
Relinquished by: (Signature) M D'Angelo	Fedex: 9345 4056 8445 / 9345 4056 8456	1-11-21	1600
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date 1-12-21	Time 10:48

Version 14Dec15

CUSTODY SEALS - 1450585 / 1450584 1450587 / 1450586 0.6°, 3.0° IR8

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1/25/2021

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
☐ Other Lab Vendor #: 1364586 (TestAmerica))

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES_____

Print Bill To Contact Name: Bob Mooshegian
PO #: 60648474 – 3.2.1F
PlaNet Site or Project ID: 25278
GSAP Project ID: USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES
DATE: 1-11-21
PAGE: 2 of 2

SAMPLING COMPANY: AECOM
LOG CODE:
SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA
State: IL
AECOM Project / Task Number: Roxana Quarterly GW 60648474 – 3.2.1F
ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA
EDF DELIVERABLE TO (Name, Company, Office Location): Elizabeth Kunkel, AECOM, St. Louis, MO; Melissa Remiger, Bob Billman, Wendy Pennington
PHONE NO.: 314-802-1171; 314-449-2913; 314-802-1122
E-MAIL: elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; bob.billman@aecom.com; wendy.pennington@aecom.com
AECOM Other ID
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington
TELEPHONE: 314-429-0100
FAX: 314-429-0462
Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com
SAMPLER NAME(S) (Print): B Howell A Oliver
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
* Please include "J" values on Reports
* Please provide sample receipt upon login

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
NON-UNIT COST
60648474 – 3.2.1F

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL
	TB-ROX-011121-8260-B	1-11-21	0000	water	2					2	X			
	TB-ROX-011121-8011-B		0000		2					2			X	
	MW14-ROX-011121		1015		6			2		8	X	X	X	X
	P66-ROX-011121		1105		6			2		8	X	X	X	X
	P93C-ROX-011121-EB		1230		6			2		8	X	X	X	X
	P93C-ROX-011121		1510		6			2		8	X	X	X	X
								AO		1/11/21				

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
Container PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
	Fedex: SEE PG 1	1-11-21	1600
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
		1-12-21	10:48

CUSTODY SEALS - SEE PG 1

0.6c, 3.0c IR8

Version 14Dec15

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1/25/2021

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-198100-1

Login Number: 198100
List Number: 1
Creator: Whitley, Adrian

List Source: Eurofins TestAmerica, Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.6, 3.0°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198100-1

Laboratory: Eurofins TestAmerica, Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-21
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-02-21
California	State	2510	06-30-21
Florida	NELAP	E81010	06-30-21
Georgia	State	E81010(FL)	06-30-21
Illinois	NELAP	200041	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-21
Kentucky (UST)	State	53	06-30-21
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-21
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-21
Michigan	State	9912	06-30-21
New Jersey	NELAP	FL006	06-30-21
New York	NELAP	12115	04-01-21
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810-186	08-31-21
Pennsylvania	NELAP	68-00467	01-31-21
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026002	06-30-21
Tennessee	State	TN02907	06-30-21
Texas	NELAP	T104704286	09-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-21
Washington	State	C915	05-15-21
West Virginia DEP	State	136	06-30-21

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Roxana Groundwater Quarterly – 1st Quarter 2021 Data Review

Laboratory SDG: 400-198156-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 2/3/2021

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2017

Sample Identification	Sample Identification
TB-ROX-011221-8260-A	TB-ROX-011221-8011-A
MW10-ROX-011221	MW9-ROX-011221
MW1-ROX-011221	TB-ROX-011221-8260-B
TB-ROX-011221-8011-B	P56-ROX-011221
P74-ROX-011221	T12-ROX-011221
T12-ROX-011221-Dup	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated LCS recoveries and/or LCS/LCSD RPDs for aniline and benzenethiol were outside evaluation criteria. Field duplicate pair T12-ROX-011221/T12-ROX-011221-Dup were diluted to bring VOCs into calibration range of the instrument. The continuing calibration verification (CCV) for hexachlorocyclopentadiene was outside acceptance criteria, biased low, and the CCV for phenol was outside acceptance criteria, biased high. Several SVOC surrogate recoveries were outside criteria in several samples. Several VOC MS/MSD recoveries were outside evaluation criteria in sample MW10-ROX-011221. Although not indicated in the laboratory case narrative, SVOC internal standard recoveries for perylene-d_{12} was outside evaluation criteria in samples MW10-ROX-011221 and MW9-ROX-011221. These issues are addressed further in the appropriate sections of this data review.

Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.

The cooler receipt form did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

Yes

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

No

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
LCS 400-517254/2-A	SVOCs	Aniline	**176**	NA	21-120
LCS/LCSD 400-517254/3-A/4-A	SVOCs	Benzenethiol	**3**/49	**178**	10-120/30

Analytical data that required qualification based on LCS/LCSD data are included in the table below. Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Professional judgment was used to qualify, however not reject, data associated with benzenethiol; benzenethiol has been identified as a poor performing analyte under Method 8270.

Sample ID	Parameter	Analyte	Qualification
MW10-ROX-011221	SVOCs	Benzenethiol	**UJ**
MW9-ROX-011221	SVOCs	Benzenethiol	**UJ**
MW1-ROX-011221	SVOCs	Benzenethiol	**UJ**
P56-ROX-011221	SVOCs	Benzenethiol	**UJ**
P74-ROX-011221	SVOCs	Benzenethiol	**UJ**
T12-ROX-011221	SVOCs	Benzenethiol	**UJ**
T12-ROX-011221-Dup	SVOCs	Benzenethiol	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW10-ROX-011221	SVOCs	Terphenyl-d_{14}	**36**	44-149
MW1-ROX-011221	SVOCs	2-Fluorophenol	**12**	13-113
MW1-ROX-011221	SVOCs	Terphenyl-d_{14}	**38**	44-149
P56-ROX-011221	SVOCs	Terphenyl-d_{14}	**35**	44-149

Qualifications due to surrogate recoveries were not required if only one of three acid or base/neutral SVOC surrogate recoveries were outside evaluation criteria in the associated samples. No qualification of data was required.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

Yes, although not requested, sample MW10-ROX-011221 was spiked and analyzed for VOCs.

Were MS/MSD recoveries within evaluation criteria?

No

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW10-ROX-011221	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-150/50
MW10-ROX-011221	VOCs	1-Chlorohexane	**53**/60	12	56-136/30
MW10-ROX-011221	VOCs	1,3-Dichlorobenzene	**52**/55	5	54-135/30
MW10-ROX-011221	VOCs	1,4-Dichlorobenzene	**52**/55	5	53-135/30
MW10-ROX-011221	VOCs	Ethylbenzene	**55**/58	5	58-131/30
MW10-ROX-011221	VOCs	Isopropylbenzene	**48/52**	8	56-133/30
MW10-ROX-011221	VOCs	m,p-Xylene	**53/55**	5	57-130/30
MW10-ROX-011221	VOCs	n-Butylbenzene	**36**/41	13	41-142/31
MW10-ROX-011221	VOCs	n-Propylbenzene	**42/47**	10	51-138/30
MW10-ROX-011221	VOCs	o-Chlorotoluene	**51/52**	2	53-134/30
MW10-ROX-011221	VOCs	o-Xylene	**57/60**	4	61-130/30
MW10-ROX-011221	VOCs	p-Chlorotoluene	**50/51**	3	54-133/30
MW10-ROX-011221	VOCs	p-Isopropyltoluene	**38/43**	12	48-139/30
MW10-ROX-011221	VOCs	sec-Butylbenzene	**39/44**	12	50-138/30
MW10-ROX-011221	VOCs	tert-Butylbenzene	**43/47**	7	54-146/30
MW10-ROX-011221	VOCs	1,2,4-Trimethylbenzene	**46/49**	7	50-139/30
MW10-ROX-011221	VOCs	1,3,5-Trimethylbenzene	**46/49**	7	52-135/30
MW10-ROX-011221	VOCs	Xylenes, total	**55/57**	4	59-130/30

Analytical data that required qualification based on MS/MSD data are included in the table below.

Sample ID	Parameter	Analyte	Qualification
MW10-ROX-011221	VOCs	2-Chloroethyl vinyl ether	**UJ**
MW10-ROX-011221	VOCs	1-Chlorohexane	**UJ**
MW10-ROX-011221	VOCs	1,3-Dichlorobenzene	**UJ**
MW10-ROX-011221	VOCs	1,4-Dichlorobenzene	**UJ**

Sample ID	Parameter	Analyte	Qualification
MW10-ROX-011221	VOCs	Ethylbenzene	**UJ**
MW10-ROX-011221	VOCs	Isopropylbenzene	**UJ**
MW10-ROX-011221	VOCs	m,p-Xylene	**UJ**
MW10-ROX-011221	VOCs	n-Butylbenzene	**UJ**
MW10-ROX-011221	VOCs	n-Propylbenzene	**UJ**
MW10-ROX-011221	VOCs	o-Chlorotoluene	**UJ**
MW10-ROX-011221	VOCs	o-Xylene	**UJ**
MW10-ROX-011221	VOCs	p-Chlorotoluene	**UJ**
MW10-ROX-011221	VOCs	p-Isopropyltoluene	**UJ**
MW10-ROX-011221	VOCs	sec-Butylbenzene	**UJ**
MW10-ROX-011221	VOCs	tert-Butylbenzene	**UJ**
MW10-ROX-011221	VOCs	1,2,4-Trimethylbenzene	**UJ**
MW10-ROX-011221	VOCs	1,3,5-Trimethylbenzene	**UJ**
MW10-ROX-011221	VOCs	Xylenes, total	**UJ**

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

No

Sample ID	Parameter	Analyte	IS Area Recovery	12/24 Hour Standard	IS Criteria
MW10-ROX-011221	SVOCs	Perylene-d_{12}	**1166134**	551790	275895-1103580
MW9-ROX-011221	SVOCs	Perylene-d_{12}	**1181902**	551790	275895-1103580

Analytical data associated with internal standard recoveries outside evaluation criteria were non-detect and did not require qualification. No qualification of data was required.

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
T12-ROX-011221	T12-ROX-011221-Dup

Were field duplicates within evaluation criteria?

No

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; analytes were detected in samples that were diluted.

12.0 Additional Qualifications

Were additional qualifications applied?

Yes, the continuing calibration verification for hexachlorocyclopentadiene was outside acceptance criteria, biased low, and the CCV for phenol was outside acceptance criteria, biased high; hexachlorocyclopentadiene and phenol are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW10-ROX-011221	SVOCs	Hexachlorocyclopentadiene	**UJ**
MW9-ROX-011221	SVOCs	Hexachlorocyclopentadiene	**UJ**
MW1-ROX-011221	SVOCs	Hexachlorocyclopentadiene	**UJ**
P56-ROX-011221	SVOCs	Hexachlorocyclopentadiene	**UJ**
P74-ROX-011221	SVOCs	Hexachlorocyclopentadiene	**UJ**
P74-ROX-011221	SVOCs	Phenol	**J**
T12-ROX-011221	SVOCs	Hexachlorocyclopentadiene	**UJ**
T12-ROX-011221-Dup	SVOCs	Hexachlorocyclopentadiene	**UJ**

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eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-198156-1
Client Project/Site: ROXANA QUARTERLY GW

For:
AECOM Technical Services Inc.
100 N. Broadway
20th Floor
St. Louis, Missouri 63102

Attn: Elizabeth Kunkel

Authorized for release by:
1/27/2021 4:46:34 PM

Leah Klingensmith, Senior Project Manager
(615)301-5038
Leah.Klingensmith@Eurofinset.com

Reviewed 2/3/2021 LR

LINKS

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Have a Question? Ask The Expert

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Certification Summary 68

Job ID: 400-198156-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-198156-1

Comments
No additional comments.

Receipt
The samples were received on 1/13/2021 9:20 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.0° C and 2.3° C.

GC/MS VOA
Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: T12-ROX-011221 (400-198156-10) and T12-ROX-011221-DUP (400-198156-11). Elevated reporting limits (RLs) are provided.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-518322 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-518322 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample..

Method 8260B: The RPD for the MS/MSD for 2-chloroethyl vinyl ether was not calculable for analytical batch 400-518322 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

Method 8260B: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-011221-8260-A (400-198156-1), MW10-ROX-011221 (400-198156-3), MW9-ROX-011221 (400-198156-4), MW1-ROX-011221 (400-198156-5), TB-ROX-011221-8260-B (400-198156-6), P56-ROX-011221 (400-198156-8), P74-ROX-011221 (400-198156-9), T12-ROX-011221 (400-198156-10) and T12-ROX-011221-DUP (400-198156-11). The requested target analyte list include 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The laboratory control sample (LCS) for preparation batch 400-517254 and analytical batch 400-517448 recovered outside control limits for the following analyte(s): Benzenethiol. Benzenethiol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for these analyte(s). These results have been reported and qualified.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-517254 and analytical batch 400-517448 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-517556 recovered above the upper control limit for Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-517556 recovered outside acceptance criteria, low biased, for Hexachlorocyclopentadiene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: MW1-ROX-011221 (400-198156-5). These results have been reported and qualified.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds

Job ID: 400-198156-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

outside limits: MW10-ROX-011221 (400-198156-3) and P56-ROX-011221 (400-198156-8). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-517448 recovered above the upper control limit for Aniline. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270D: The following analyte(s) recovered outside control limits for the LCS associated with preparation batch 400-517254 and analytical batch 400-517448: Aniline. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8011: The continuing calibration verification (CCV) associated with batch 400-517997 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8011: The continuing calibration verification (CCV) associated with batch 400-517997 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane and 1,2-Dibromoethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-198156-1	TB-ROX-011221-8260-A	Water	01/12/21 00:00	01/13/21 09:20	
400-198156-2	TB-ROX-011221-8011-A	Water	01/12/21 00:00	01/13/21 09:20	
400-198156-3	MW10-ROX-011221	Water	01/12/21 09:45	01/13/21 09:20	
400-198156-4	MW9-ROX-011221	Water	01/12/21 11:00	01/13/21 09:20	
400-198156-5	MW1-ROX-011221	Water	01/12/21 12:20	01/13/21 09:20	
400-198156-6	TB-ROX-011221-8260-B	Water	01/12/21 00:00	01/13/21 09:20	
400-198156-7	TB-ROX-011221-8011-B	Water	01/12/21 00:00	01/13/21 09:20	
400-198156-8	P56-ROX-011221	Water	01/12/21 09:40	01/13/21 09:20	
400-198156-9	P74-ROX-011221	Water	01/12/21 10:55	01/13/21 09:20	
400-198156-10	T12-ROX-011221	Water	01/12/21 11:55	01/13/21 09:20	
400-198156-11	T12-ROX-011221-DUP	Water	01/12/21 11:55	01/13/21 09:20	

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: TB-ROX-011221-8260-A — Lab Sample ID: 400-198156-1

No Detections.

Client Sample ID: TB-ROX-011221-8011-A — Lab Sample ID: 400-198156-2

No Detections.

Client Sample ID: MW10-ROX-011221 — Lab Sample ID: 400-198156-3

No Detections.

Client Sample ID: MW9-ROX-011221 — Lab Sample ID: 400-198156-4

No Detections.

Client Sample ID: MW1-ROX-011221 — Lab Sample ID: 400-198156-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.061	J	0.21	0.048	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	0.18	J	0.21	0.077	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.26		0.21	0.063	ug/L	1		8270D LL	Total/NA

Client Sample ID: TB-ROX-011221-8260-B — Lab Sample ID: 400-198156-6

No Detections.

Client Sample ID: TB-ROX-011221-8011-B — Lab Sample ID: 400-198156-7

No Detections.

Client Sample ID: P56-ROX-011221 — Lab Sample ID: 400-198156-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.42	J	1.0	0.38	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	6.8	J	25	2.6	ug/L	1		8260B	Total/NA
Ethylbenzene	0.70	J	1.0	0.50	ug/L	1		8260B	Total/NA
Isopropylbenzene	12		1.0	0.53	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	2.7	J	5.0	1.6	ug/L	1		8260B	Total/NA
N-Propylbenzene	13		1.0	0.69	ug/L	1		8260B	Total/NA
sec-Butylbenzene	1.5		1.0	0.70	ug/L	1		8260B	Total/NA
Toluene	0.48	J	1.0	0.41	ug/L	1		8260B	Total/NA
Xylenes, Total	2.9	J	10	1.6	ug/L	1		8260B	Total/NA
Acenaphthene	0.52		0.19	0.030	ug/L	1		8270D LL	Total/NA
Fluorene	0.27		0.19	0.10	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	12		0.19	0.070	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	8.7		0.19	0.057	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.55		0.19	0.034	ug/L	1		8270D LL	Total/NA

Client Sample ID: P74-ROX-011221 — Lab Sample ID: 400-198156-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	51		1.0	0.38	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	1.1		1.0	0.74	ug/L	1		8260B	Total/NA
Phenol	3.5	J	9.5	2.5	ug/L	1		8270D	Total/NA

Client Sample ID: T12-ROX-011221 — Lab Sample ID: 400-198156-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1600		10	3.8	ug/L	10		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: T12-ROX-011221 (Continued)

Lab Sample ID: 400-198156-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	7.4	J	10	5.0	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	33	J	50	16	ug/L	10		8260B	Total/NA
Naphthalene	20		10	10	ug/L	10		8260B	Total/NA
Toluene	27		10	4.1	ug/L	10		8260B	Total/NA
1,3,5-Trimethylbenzene	5.9	J	10	5.6	ug/L	10		8260B	Total/NA
Xylenes, Total	36	J	100	16	ug/L	10		8260B	Total/NA
Acenaphthene	0.36		0.19	0.030	ug/L	1		8270D LL	Total/NA
Anthracene	0.15	J	0.19	0.030	ug/L	1		8270D LL	Total/NA
Benzo[a]anthracene	0.077	J	0.19	0.043	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.079	J	0.19	0.064	ug/L	1		8270D LL	Total/NA
Fluorene	0.35		0.19	0.10	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	18		0.19	0.070	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	25		0.19	0.056	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.62		0.19	0.034	ug/L	1		8270D LL	Total/NA
Pyrene	0.076	J	0.19	0.038	ug/L	1		8270D LL	Total/NA
Phenol	91		9.4	2.4	ug/L	1		8270D	Total/NA

Client Sample ID: T12-ROX-011221-DUP

Lab Sample ID: 400-198156-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1600		10	3.8	ug/L	10		8260B	Total/NA
Ethylbenzene	7.2	J	10	5.0	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	31	J	50	16	ug/L	10		8260B	Total/NA
Naphthalene	20		10	10	ug/L	10		8260B	Total/NA
Toluene	25		10	4.1	ug/L	10		8260B	Total/NA
Xylenes, Total	34	J	100	16	ug/L	10		8260B	Total/NA
Acenaphthene	0.31		0.19	0.031	ug/L	1		8270D LL	Total/NA
Anthracene	0.10	J	0.19	0.031	ug/L	1		8270D LL	Total/NA
Benzo[a]anthracene	0.19		0.19	0.044	ug/L	1		8270D LL	Total/NA
Benzo[a]pyrene	0.19		0.19	0.040	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	0.22		0.19	0.032	ug/L	1		8270D LL	Total/NA
Benzo[g,h,i]perylene	0.24		0.19	0.12	ug/L	1		8270D LL	Total/NA
Benzo[k]fluoranthene	0.23		0.19	0.095	ug/L	1		8270D LL	Total/NA
Chrysene	0.15	J	0.19	0.071	ug/L	1		8270D LL	Total/NA
Dibenz(a,h)anthracene	0.39		0.19	0.048	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.10	J	0.19	0.065	ug/L	1		8270D LL	Total/NA
Fluorene	0.36		0.19	0.11	ug/L	1		8270D LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.25		0.19	0.041	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	19		0.19	0.071	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	27		0.19	0.057	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.57		0.19	0.034	ug/L	1		8270D LL	Total/NA
Pyrene	0.12	J	0.19	0.038	ug/L	1		8270D LL	Total/NA
Phenol	110		9.5	2.5	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: TB-ROX-011221-8260-A
Date Collected: 01/12/21 00:00
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/25/21 11:13	1
Acrolein	ND		20	10	ug/L			01/25/21 11:13	1
Acrylonitrile	ND		10	2.8	ug/L			01/25/21 11:13	1
Benzene	ND		1.0	0.38	ug/L			01/25/21 11:13	1
Bromobenzene	ND		1.0	0.54	ug/L			01/25/21 11:13	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/25/21 11:13	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/25/21 11:13	1
Bromoform	ND		5.0	0.71	ug/L			01/25/21 11:13	1
Bromomethane	ND		1.0	0.98	ug/L			01/25/21 11:13	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/25/21 11:13	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/25/21 11:13	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/25/21 11:13	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/25/21 11:13	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/25/21 11:13	1
Chloroethane	ND		1.0	0.76	ug/L			01/25/21 11:13	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/25/21 11:13	1
Chloroform	ND		1.0	0.60	ug/L			01/25/21 11:13	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/25/21 11:13	1
Chloromethane	ND		1.0	0.83	ug/L			01/25/21 11:13	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 11:13	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/25/21 11:13	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/25/21 11:13	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/25/21 11:13	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/25/21 11:13	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/25/21 11:13	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/25/21 11:13	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/25/21 11:13	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 11:13	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 11:13	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 11:13	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 11:13	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/25/21 11:13	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/25/21 11:13	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/25/21 11:13	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/25/21 11:13	1
2-Hexanone	ND		25	3.1	ug/L			01/25/21 11:13	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/25/21 11:13	1
Methylene bromide	ND		5.0	0.59	ug/L			01/25/21 11:13	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/25/21 11:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/25/21 11:13	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/25/21 11:13	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/25/21 11:13	1
Naphthalene	ND		1.0	1.0	ug/L			01/25/21 11:13	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/25/21 11:13	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/25/21 11:13	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/25/21 11:13	1
o-Xylene	ND		5.0	0.60	ug/L			01/25/21 11:13	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/25/21 11:13	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/25/21 11:13	1

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: TB-ROX-011221-8260-A
Date Collected: 01/12/21 00:00
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/25/21 11:13	1
Styrene	ND		1.0	1.0	ug/L			01/25/21 11:13	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/25/21 11:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/25/21 11:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/25/21 11:13	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/25/21 11:13	1
Toluene	ND		1.0	0.41	ug/L			01/25/21 11:13	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 11:13	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/25/21 11:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/25/21 11:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/25/21 11:13	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/25/21 11:13	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/25/21 11:13	1
Trichloroethene	ND		1.0	0.50	ug/L			01/25/21 11:13	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/25/21 11:13	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/25/21 11:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/25/21 11:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/25/21 11:13	1
Vinyl acetate	ND		25	2.0	ug/L			01/25/21 11:13	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/25/21 11:13	1
Xylenes, Total	ND		10	1.6	ug/L			01/25/21 11:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/25/21 11:13*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*01/25/21 11:13*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/25/21 11:13*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: TB-ROX-011221-8011-A
Date Collected: 01/12/21 00:00
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-2
Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/20/21 09:13	01/20/21 21:31	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/20/21 09:13	01/20/21 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*	*p*	*51 - 149*	*01/20/21 09:13*	*01/20/21 21:31*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: MW10-ROX-011221
Date Collected: 01/12/21 09:45
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/25/21 11:35	1
Acrolein	ND		20	10	ug/L			01/25/21 11:35	1
Acrylonitrile	ND		10	2.8	ug/L			01/25/21 11:35	1
Benzene	ND		1.0	0.38	ug/L			01/25/21 11:35	1
Bromobenzene	ND		1.0	0.54	ug/L			01/25/21 11:35	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/25/21 11:35	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/25/21 11:35	1
Bromoform	ND		5.0	0.71	ug/L			01/25/21 11:35	1
Bromomethane	ND		1.0	0.98	ug/L			01/25/21 11:35	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/25/21 11:35	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/25/21 11:35	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/25/21 11:35	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/25/21 11:35	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/25/21 11:35	1
Chloroethane	ND		1.0	0.76	ug/L			01/25/21 11:35	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			01/25/21 11:35	1
Chloroform	ND		1.0	0.60	ug/L			01/25/21 11:35	1
1-Chlorohexane	ND	F1 UJ	1.0	0.70	ug/L			01/25/21 11:35	1
Chloromethane	ND		1.0	0.83	ug/L			01/25/21 11:35	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 11:35	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/25/21 11:35	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/25/21 11:35	1
1,3-Dichlorobenzene	ND	F1 UJ	1.0	0.54	ug/L			01/25/21 11:35	1
1,4-Dichlorobenzene	ND	F1 UJ	1.0	0.64	ug/L			01/25/21 11:35	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/25/21 11:35	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/25/21 11:35	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/25/21 11:35	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 11:35	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 11:35	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 11:35	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 11:35	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/25/21 11:35	1
Ethylbenzene	ND	F1 UJ	1.0	0.50	ug/L			01/25/21 11:35	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/25/21 11:35	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/25/21 11:35	1
2-Hexanone	ND		25	3.1	ug/L			01/25/21 11:35	1
Isopropylbenzene	ND	F1 UJ	1.0	0.53	ug/L			01/25/21 11:35	1
Methylene bromide	ND		5.0	0.59	ug/L			01/25/21 11:35	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/25/21 11:35	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/25/21 11:35	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/25/21 11:35	1
m-Xylene & p-Xylene	ND	F1 UJ	5.0	1.6	ug/L			01/25/21 11:35	1
Naphthalene	ND		1.0	1.0	ug/L			01/25/21 11:35	1
n-Butylbenzene	ND	F1 UJ	1.0	0.76	ug/L			01/25/21 11:35	1
N-Propylbenzene	ND	F1 UJ	1.0	0.69	ug/L			01/25/21 11:35	1
o-Chlorotoluene	ND	F1 UJ	1.0	0.57	ug/L			01/25/21 11:35	1
o-Xylene	ND	F1 UJ	5.0	0.60	ug/L			01/25/21 11:35	1
p-Chlorotoluene	ND	F1 UJ	1.0	0.56	ug/L			01/25/21 11:35	1
p-Isopropyltoluene	ND	F1 UJ	1.0	0.71	ug/L			01/25/21 11:35	1

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: MW10-ROX-011221
Date Collected: 01/12/21 09:45
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND	F1 UJ	1.0	0.70	ug/L			01/25/21 11:35	1
Styrene	ND		1.0	1.0	ug/L			01/25/21 11:35	1
tert-Butylbenzene	ND	F1 UJ	1.0	0.63	ug/L			01/25/21 11:35	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/25/21 11:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/25/21 11:35	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/25/21 11:35	1
Toluene	ND		1.0	0.41	ug/L			01/25/21 11:35	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 11:35	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/25/21 11:35	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/25/21 11:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/25/21 11:35	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/25/21 11:35	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/25/21 11:35	1
Trichloroethene	ND		1.0	0.50	ug/L			01/25/21 11:35	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/25/21 11:35	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/25/21 11:35	1
1,2,4-Trimethylbenzene	ND	F1 UJ	1.0	0.82	ug/L			01/25/21 11:35	1
1,3,5-Trimethylbenzene	ND	F1 UJ	1.0	0.56	ug/L			01/25/21 11:35	1
Vinyl acetate	ND		25	2.0	ug/L			01/25/21 11:35	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/25/21 11:35	1
Xylenes, Total	ND	F1 UJ	10	1.6	ug/L			01/25/21 11:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/25/21 11:35*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*01/25/21 11:35*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/25/21 11:35*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.033	ug/L		01/14/21 08:19	01/18/21 20:59	1
Acenaphthylene	ND		0.20	0.046	ug/L		01/14/21 08:19	01/18/21 20:59	1
Anthracene	ND		0.20	0.033	ug/L		01/14/21 08:19	01/18/21 20:59	1
Benzo[a]anthracene	ND		0.20	0.047	ug/L		01/14/21 08:19	01/18/21 20:59	1
Benzo[a]pyrene	ND		0.20	0.043	ug/L		01/14/21 08:19	01/18/21 20:59	1
Benzo[b]fluoranthene	ND		0.20	0.035	ug/L		01/14/21 08:19	01/18/21 20:59	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		01/14/21 08:19	01/18/21 20:59	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		01/14/21 08:19	01/18/21 20:59	1
Chrysene	ND		0.20	0.076	ug/L		01/14/21 08:19	01/18/21 20:59	1
Dibenz(a,h)anthracene	ND		0.20	0.051	ug/L		01/14/21 08:19	01/18/21 20:59	1
Fluoranthene	ND		0.20	0.070	ug/L		01/14/21 08:19	01/18/21 20:59	1
Fluorene	ND		0.20	0.11	ug/L		01/14/21 08:19	01/18/21 20:59	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.044	ug/L		01/14/21 08:19	01/18/21 20:59	1
1-Methylnaphthalene	ND		0.20	0.076	ug/L		01/14/21 08:19	01/18/21 20:59	1
2-Methylnaphthalene	ND		0.20	0.061	ug/L		01/14/21 08:19	01/18/21 20:59	1
Phenanthrene	ND		0.20	0.037	ug/L		01/14/21 08:19	01/18/21 20:59	1
Pyrene	ND		0.20	0.041	ug/L		01/14/21 08:19	01/18/21 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*15 - 122*	*01/14/21 08:19*	*01/18/21 20:59*	*1*
Nitrobenzene-d5	*107*		*19 - 130*	*01/14/21 08:19*	*01/18/21 20:59*	*1*

Client Sample ID: MW10-ROX-011221
Date Collected: 01/12/21 09:45
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	120		33 - 138	01/14/21 08:19	01/18/21 20:59	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	*+	10	3.9	ug/L		01/14/21 08:19	01/15/21 16:46	1
Benzenethiol	ND	*1 UJ	10	1.7	ug/L		01/14/21 08:19	01/15/21 16:46	1
Benzoic acid	ND		31	7.5	ug/L		01/14/21 08:19	01/15/21 16:46	1
Benzyl alcohol	ND		10	2.0	ug/L		01/14/21 08:19	01/15/21 16:46	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		01/14/21 08:19	01/15/21 16:46	1
Bis(2-chloroethyl)ether	ND		10	2.8	ug/L		01/14/21 08:19	01/15/21 16:46	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		01/14/21 08:19	01/15/21 16:46	1
Bis(2-ethylhexyl) phthalate	ND		10	5.1	ug/L		01/14/21 08:19	01/15/21 16:46	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		01/14/21 08:19	01/15/21 16:46	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		01/14/21 08:19	01/15/21 16:46	1
4-Chloroaniline	ND		10	3.5	ug/L		01/14/21 08:19	01/15/21 16:46	1
4-Chloro-3-methylphenol	ND		10	3.9	ug/L		01/14/21 08:19	01/15/21 16:46	1
2-Chloronaphthalene	ND		10	0.14	ug/L		01/14/21 08:19	01/15/21 16:46	1
2-Chlorophenol	ND		10	2.3	ug/L		01/14/21 08:19	01/15/21 16:46	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/14/21 08:19	01/15/21 16:46	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/14/21 08:19	01/18/21 17:08	1
Dibenzofuran	ND		10	0.17	ug/L		01/14/21 08:19	01/15/21 16:46	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		01/14/21 08:19	01/15/21 16:46	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		01/14/21 08:19	01/15/21 16:46	1
Diethyl phthalate	ND		10	0.25	ug/L		01/14/21 08:19	01/15/21 16:46	1
2,4-Dimethylphenol	ND		10	3.6	ug/L		01/14/21 08:19	01/15/21 16:46	1
Dimethyl phthalate	ND		10	0.17	ug/L		01/14/21 08:19	01/15/21 16:46	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		01/14/21 08:19	01/15/21 16:46	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		01/14/21 08:19	01/15/21 16:46	1
2,4-Dinitrophenol	ND		31	3.5	ug/L		01/14/21 08:19	01/15/21 16:46	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/14/21 08:19	01/15/21 16:46	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/14/21 08:19	01/15/21 16:46	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		01/14/21 08:19	01/15/21 16:46	1
1,4-Dioxane	ND		10	1.0	ug/L		01/14/21 08:19	01/15/21 16:46	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/14/21 08:19	01/15/21 16:46	1
Hexachlorobenzene	ND		10	0.17	ug/L		01/14/21 08:19	01/15/21 16:46	1
Hexachlorocyclopentadiene	ND	UJ	20	2.7	ug/L		01/14/21 08:19	01/15/21 16:46	1
Hexachloroethane	ND		10	4.3	ug/L		01/14/21 08:19	01/15/21 16:46	1
Indene	ND		10	1.0	ug/L		01/14/21 08:19	01/15/21 16:46	1
Isophorone	ND		10	0.14	ug/L		01/14/21 08:19	01/15/21 16:46	1
2-Methylphenol	ND		10	1.8	ug/L		01/14/21 08:19	01/15/21 16:46	1
3 & 4 Methylphenol	ND		20	0.40	ug/L		01/14/21 08:19	01/15/21 16:46	1
2-Nitroaniline	ND		10	2.3	ug/L		01/14/21 08:19	01/15/21 16:46	1
3-Nitroaniline	ND		10	1.8	ug/L		01/14/21 08:19	01/15/21 16:46	1
4-Nitroaniline	ND		10	1.5	ug/L		01/14/21 08:19	01/15/21 16:46	1
Nitrobenzene	ND		10	0.13	ug/L		01/14/21 08:19	01/15/21 16:46	1
2-Nitrophenol	ND		10	5.3	ug/L		01/14/21 08:19	01/15/21 16:46	1
4-Nitrophenol	ND		10	2.2	ug/L		01/14/21 08:19	01/15/21 16:46	1
N-Nitrosodimethylamine	ND		10	3.6	ug/L		01/14/21 08:19	01/15/21 16:46	1

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: MW10-ROX-011221
Date Collected: 01/12/21 09:45
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.4	ug/L		01/14/21 08:19	01/15/21 16:46	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		01/14/21 08:19	01/15/21 16:46	1
Pentachlorophenol	ND		20	1.4	ug/L		01/14/21 08:19	01/15/21 16:46	1
Phenol	ND		10	2.7	ug/L		01/14/21 08:19	01/15/21 16:46	1
Pyridine	ND		10	3.3	ug/L		01/14/21 08:19	01/15/21 16:46	1
Quinoline	ND		10	4.6	ug/L		01/14/21 08:19	01/15/21 16:46	1
2,4,5-Trichlorophenol	ND		10	3.8	ug/L		01/14/21 08:19	01/15/21 16:46	1
2,4,6-Trichlorophenol	ND		10	3.6	ug/L		01/14/21 08:19	01/15/21 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*51*		*46 - 124*	*01/14/21 08:19*	*01/15/21 16:46*	*1*
2-Fluorophenol	*14*		*13 - 113*	*01/14/21 08:19*	*01/15/21 16:46*	*1*
Nitrobenzene-d5	*45*		*36 - 126*	*01/14/21 08:19*	*01/15/21 16:46*	*1*
Phenol-d5	*32*		*17 - 127*	*01/14/21 08:19*	*01/15/21 16:46*	*1*
Terphenyl-d14	*39*	*S1-*	*44 - 149*	*01/14/21 08:19*	*01/15/21 16:46*	*1*
2,4,6-Tribromophenol	*49*		*26 - 150*	*01/14/21 08:19*	*01/15/21 16:46*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/20/21 09:13	01/20/21 18:33	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/20/21 09:13	01/20/21 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*51 - 149*	*01/20/21 09:13*	*01/20/21 18:33*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: MW9-ROX-011221
Date Collected: 01/12/21 11:00
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/25/21 11:57	1
Acrolein	ND		20	10	ug/L			01/25/21 11:57	1
Acrylonitrile	ND		10	2.8	ug/L			01/25/21 11:57	1
Benzene	ND		1.0	0.38	ug/L			01/25/21 11:57	1
Bromobenzene	ND		1.0	0.54	ug/L			01/25/21 11:57	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/25/21 11:57	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/25/21 11:57	1
Bromoform	ND		5.0	0.71	ug/L			01/25/21 11:57	1
Bromomethane	ND		1.0	0.98	ug/L			01/25/21 11:57	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/25/21 11:57	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/25/21 11:57	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/25/21 11:57	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/25/21 11:57	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/25/21 11:57	1
Chloroethane	ND		1.0	0.76	ug/L			01/25/21 11:57	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/25/21 11:57	1
Chloroform	ND		1.0	0.60	ug/L			01/25/21 11:57	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/25/21 11:57	1
Chloromethane	ND		1.0	0.83	ug/L			01/25/21 11:57	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 11:57	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/25/21 11:57	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/25/21 11:57	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/25/21 11:57	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/25/21 11:57	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/25/21 11:57	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/25/21 11:57	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/25/21 11:57	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 11:57	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 11:57	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 11:57	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 11:57	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/25/21 11:57	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/25/21 11:57	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/25/21 11:57	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/25/21 11:57	1
2-Hexanone	ND		25	3.1	ug/L			01/25/21 11:57	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/25/21 11:57	1
Methylene bromide	ND		5.0	0.59	ug/L			01/25/21 11:57	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/25/21 11:57	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/25/21 11:57	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/25/21 11:57	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/25/21 11:57	1
Naphthalene	ND		1.0	1.0	ug/L			01/25/21 11:57	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/25/21 11:57	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/25/21 11:57	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/25/21 11:57	1
o-Xylene	ND		5.0	0.60	ug/L			01/25/21 11:57	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/25/21 11:57	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/25/21 11:57	1

Client Sample ID: MW9-ROX-011221
Date Collected: 01/12/21 11:00
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/25/21 11:57	1
Styrene	ND		1.0	1.0	ug/L			01/25/21 11:57	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/25/21 11:57	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/25/21 11:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/25/21 11:57	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/25/21 11:57	1
Toluene	ND		1.0	0.41	ug/L			01/25/21 11:57	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 11:57	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/25/21 11:57	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/25/21 11:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/25/21 11:57	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/25/21 11:57	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/25/21 11:57	1
Trichloroethene	ND		1.0	0.50	ug/L			01/25/21 11:57	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/25/21 11:57	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/25/21 11:57	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/25/21 11:57	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/25/21 11:57	1
Vinyl acetate	ND		25	2.0	ug/L			01/25/21 11:57	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/25/21 11:57	1
Xylenes, Total	ND		10	1.6	ug/L			01/25/21 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/25/21 11:57*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*01/25/21 11:57*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/25/21 11:57*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		01/14/21 08:19	01/18/21 21:15	1
Acenaphthylene	ND		0.20	0.046	ug/L		01/14/21 08:19	01/18/21 21:15	1
Anthracene	ND		0.20	0.032	ug/L		01/14/21 08:19	01/18/21 21:15	1
Benzo[a]anthracene	ND		0.20	0.047	ug/L		01/14/21 08:19	01/18/21 21:15	1
Benzo[a]pyrene	ND		0.20	0.043	ug/L		01/14/21 08:19	01/18/21 21:15	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		01/14/21 08:19	01/18/21 21:15	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		01/14/21 08:19	01/18/21 21:15	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		01/14/21 08:19	01/18/21 21:15	1
Chrysene	ND		0.20	0.075	ug/L		01/14/21 08:19	01/18/21 21:15	1
Dibenz(a,h)anthracene	ND		0.20	0.051	ug/L		01/14/21 08:19	01/18/21 21:15	1
Fluoranthene	ND		0.20	0.069	ug/L		01/14/21 08:19	01/18/21 21:15	1
Fluorene	ND		0.20	0.11	ug/L		01/14/21 08:19	01/18/21 21:15	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.044	ug/L		01/14/21 08:19	01/18/21 21:15	1
1-Methylnaphthalene	ND		0.20	0.075	ug/L		01/14/21 08:19	01/18/21 21:15	1
2-Methylnaphthalene	ND		0.20	0.061	ug/L		01/14/21 08:19	01/18/21 21:15	1
Phenanthrene	ND		0.20	0.036	ug/L		01/14/21 08:19	01/18/21 21:15	1
Pyrene	ND		0.20	0.040	ug/L		01/14/21 08:19	01/18/21 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*111*		*15 - 122*	*01/14/21 08:19*	*01/18/21 21:15*	*1*
Nitrobenzene-d5	*117*		*19 - 130*	*01/14/21 08:19*	*01/18/21 21:15*	*1*

Client Sample ID: MW9-ROX-011221
Date Collected: 01/12/21 11:00
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-4
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*135*		*33 - 138*	*01/14/21 08:19*	*01/18/21 21:15*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	*+	10	3.8	ug/L		01/14/21 08:19	01/15/21 17:07	1
Benzenethiol	ND	*1 UJ	10	1.7	ug/L		01/14/21 08:19	01/15/21 17:07	1
Benzoic acid	ND		30	7.4	ug/L		01/14/21 08:19	01/15/21 17:07	1
Benzyl alcohol	ND		10	2.0	ug/L		01/14/21 08:19	01/15/21 17:07	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		01/14/21 08:19	01/15/21 17:07	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		01/14/21 08:19	01/15/21 17:07	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		01/14/21 08:19	01/15/21 17:07	1
Bis(2-ethylhexyl) phthalate	ND		10	5.1	ug/L		01/14/21 08:19	01/15/21 17:07	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		01/14/21 08:19	01/15/21 17:07	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		01/14/21 08:19	01/15/21 17:07	1
4-Chloroaniline	ND		10	3.4	ug/L		01/14/21 08:19	01/15/21 17:07	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/14/21 08:19	01/15/21 17:07	1
2-Chloronaphthalene	ND		10	0.14	ug/L		01/14/21 08:19	01/15/21 17:07	1
2-Chlorophenol	ND		10	2.2	ug/L		01/14/21 08:19	01/15/21 17:07	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/14/21 08:19	01/15/21 17:07	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/14/21 08:19	01/18/21 17:29	1
Dibenzofuran	ND		10	0.17	ug/L		01/14/21 08:19	01/15/21 17:07	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/14/21 08:19	01/15/21 17:07	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/14/21 08:19	01/15/21 17:07	1
Diethyl phthalate	ND		10	0.24	ug/L		01/14/21 08:19	01/15/21 17:07	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/14/21 08:19	01/15/21 17:07	1
Dimethyl phthalate	ND		10	0.17	ug/L		01/14/21 08:19	01/15/21 17:07	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/14/21 08:19	01/15/21 17:07	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		01/14/21 08:19	01/15/21 17:07	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/14/21 08:19	01/15/21 17:07	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/14/21 08:19	01/15/21 17:07	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/14/21 08:19	01/15/21 17:07	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		01/14/21 08:19	01/15/21 17:07	1
1,4-Dioxane	ND		10	1.0	ug/L		01/14/21 08:19	01/15/21 17:07	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/14/21 08:19	01/15/21 17:07	1
Hexachlorobenzene	ND		10	0.17	ug/L		01/14/21 08:19	01/15/21 17:07	1
Hexachlorocyclopentadiene	ND	UJ	20	2.6	ug/L		01/14/21 08:19	01/15/21 17:07	1
Hexachloroethane	ND		10	4.3	ug/L		01/14/21 08:19	01/15/21 17:07	1
Indene	ND		10	1.0	ug/L		01/14/21 08:19	01/15/21 17:07	1
Isophorone	ND		10	0.14	ug/L		01/14/21 08:19	01/15/21 17:07	1
2-Methylphenol	ND		10	1.8	ug/L		01/14/21 08:19	01/15/21 17:07	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		01/14/21 08:19	01/15/21 17:07	1
2-Nitroaniline	ND		10	2.2	ug/L		01/14/21 08:19	01/15/21 17:07	1
3-Nitroaniline	ND		10	1.8	ug/L		01/14/21 08:19	01/15/21 17:07	1
4-Nitroaniline	ND		10	1.5	ug/L		01/14/21 08:19	01/15/21 17:07	1
Nitrobenzene	ND		10	0.13	ug/L		01/14/21 08:19	01/15/21 17:07	1
2-Nitrophenol	ND		10	5.3	ug/L		01/14/21 08:19	01/15/21 17:07	1
4-Nitrophenol	ND		10	2.1	ug/L		01/14/21 08:19	01/15/21 17:07	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/14/21 08:19	01/15/21 17:07	1

Client Sample ID: MW9-ROX-011221
Date Collected: 01/12/21 11:00
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/14/21 08:19	01/15/21 17:07	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		01/14/21 08:19	01/15/21 17:07	1
Pentachlorophenol	ND		20	1.4	ug/L		01/14/21 08:19	01/15/21 17:07	1
Phenol	ND		10	2.6	ug/L		01/14/21 08:19	01/15/21 17:07	1
Pyridine	ND		10	3.2	ug/L		01/14/21 08:19	01/15/21 17:07	1
Quinoline	ND		10	4.6	ug/L		01/14/21 08:19	01/15/21 17:07	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/14/21 08:19	01/15/21 17:07	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/14/21 08:19	01/15/21 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*46 - 124*	*01/14/21 08:19*	*01/15/21 17:07*	*1*
2-Fluorophenol	*22*		*13 - 113*	*01/14/21 08:19*	*01/15/21 17:07*	*1*
Nitrobenzene-d5	*51*		*36 - 126*	*01/14/21 08:19*	*01/15/21 17:07*	*1*
Phenol-d5	*44*		*17 - 127*	*01/14/21 08:19*	*01/15/21 17:07*	*1*
Terphenyl-d14	*46*		*44 - 149*	*01/14/21 08:19*	*01/15/21 17:07*	*1*
2,4,6-Tribromophenol	*53*		*26 - 150*	*01/14/21 08:19*	*01/15/21 17:07*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/20/21 09:13	01/20/21 18:53	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/20/21 09:13	01/20/21 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*	*p*	*51 - 149*	*01/20/21 09:13*	*01/20/21 18:53*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: MW1-ROX-011221
Date Collected: 01/12/21 12:20
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/25/21 12:19	1
Acrolein	ND		20	10	ug/L			01/25/21 12:19	1
Acrylonitrile	ND		10	2.8	ug/L			01/25/21 12:19	1
Benzene	ND		1.0	0.38	ug/L			01/25/21 12:19	1
Bromobenzene	ND		1.0	0.54	ug/L			01/25/21 12:19	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/25/21 12:19	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/25/21 12:19	1
Bromoform	ND		5.0	0.71	ug/L			01/25/21 12:19	1
Bromomethane	ND		1.0	0.98	ug/L			01/25/21 12:19	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/25/21 12:19	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/25/21 12:19	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/25/21 12:19	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/25/21 12:19	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/25/21 12:19	1
Chloroethane	ND		1.0	0.76	ug/L			01/25/21 12:19	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/25/21 12:19	1
Chloroform	ND		1.0	0.60	ug/L			01/25/21 12:19	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/25/21 12:19	1
Chloromethane	ND		1.0	0.83	ug/L			01/25/21 12:19	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 12:19	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/25/21 12:19	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/25/21 12:19	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/25/21 12:19	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/25/21 12:19	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/25/21 12:19	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/25/21 12:19	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/25/21 12:19	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 12:19	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 12:19	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 12:19	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 12:19	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/25/21 12:19	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/25/21 12:19	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/25/21 12:19	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/25/21 12:19	1
2-Hexanone	ND		25	3.1	ug/L			01/25/21 12:19	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/25/21 12:19	1
Methylene bromide	ND		5.0	0.59	ug/L			01/25/21 12:19	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/25/21 12:19	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/25/21 12:19	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/25/21 12:19	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/25/21 12:19	1
Naphthalene	ND		1.0	1.0	ug/L			01/25/21 12:19	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/25/21 12:19	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/25/21 12:19	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/25/21 12:19	1
o-Xylene	ND		5.0	0.60	ug/L			01/25/21 12:19	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/25/21 12:19	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/25/21 12:19	1

Client Sample ID: MW1-ROX-011221
Date Collected: 01/12/21 12:20
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/25/21 12:19	1
Styrene	ND		1.0	1.0	ug/L			01/25/21 12:19	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/25/21 12:19	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/25/21 12:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/25/21 12:19	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/25/21 12:19	1
Toluene	ND		1.0	0.41	ug/L			01/25/21 12:19	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 12:19	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/25/21 12:19	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/25/21 12:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/25/21 12:19	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/25/21 12:19	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/25/21 12:19	1
Trichloroethene	ND		1.0	0.50	ug/L			01/25/21 12:19	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/25/21 12:19	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/25/21 12:19	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/25/21 12:19	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/25/21 12:19	1
Vinyl acetate	ND		25	2.0	ug/L			01/25/21 12:19	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/25/21 12:19	1
Xylenes, Total	ND		10	1.6	ug/L			01/25/21 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/25/21 12:19*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*01/25/21 12:19*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/25/21 12:19*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.21	0.034	ug/L		01/14/21 08:19	01/18/21 21:30	1
Acenaphthylene	ND		0.21	0.047	ug/L		01/14/21 08:19	01/18/21 21:30	1
Anthracene	ND		0.21	0.034	ug/L		01/14/21 08:19	01/18/21 21:30	1
Benzo[a]anthracene	**0.061**	**J**	0.21	0.048	ug/L		01/14/21 08:19	01/18/21 21:30	1
Benzo[a]pyrene	ND		0.21	0.044	ug/L		01/14/21 08:19	01/18/21 21:30	1
Benzo[b]fluoranthene	ND		0.21	0.036	ug/L		01/14/21 08:19	01/18/21 21:30	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		01/14/21 08:19	01/18/21 21:30	1
Benzo[k]fluoranthene	ND		0.21	0.10	ug/L		01/14/21 08:19	01/18/21 21:30	1
Chrysene	ND		0.21	0.077	ug/L		01/14/21 08:19	01/18/21 21:30	1
Dibenz(a,h)anthracene	ND		0.21	0.052	ug/L		01/14/21 08:19	01/18/21 21:30	1
Fluoranthene	ND		0.21	0.071	ug/L		01/14/21 08:19	01/18/21 21:30	1
Fluorene	ND		0.21	0.12	ug/L		01/14/21 08:19	01/18/21 21:30	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.045	ug/L		01/14/21 08:19	01/18/21 21:30	1
1-Methylnaphthalene	**0.18**	**J**	0.21	0.077	ug/L		01/14/21 08:19	01/18/21 21:30	1
2-Methylnaphthalene	**0.26**		0.21	0.063	ug/L		01/14/21 08:19	01/18/21 21:30	1
Phenanthrene	ND		0.21	0.038	ug/L		01/14/21 08:19	01/18/21 21:30	1
Pyrene	ND		0.21	0.042	ug/L		01/14/21 08:19	01/18/21 21:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*100*		*15 - 122*	*01/14/21 08:19*	*01/18/21 21:30*	*1*
Nitrobenzene-d5	*100*		*19 - 130*	*01/14/21 08:19*	*01/18/21 21:30*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: MW1-ROX-011221
Date Collected: 01/12/21 12:20
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-5
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*105*		*33 - 138*	*01/14/21 08:19*	*01/18/21 21:30*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	*+	10	4.0	ug/L		01/14/21 08:19	01/15/21 17:28	1
Benzenethiol	ND	*1 UJ	10	1.8	ug/L		01/14/21 08:19	01/15/21 17:28	1
Benzoic acid	ND		31	7.6	ug/L		01/14/21 08:19	01/15/21 17:28	1
Benzyl alcohol	ND		10	2.1	ug/L		01/14/21 08:19	01/15/21 17:28	1
Bis(2-chloroethoxy)methane	ND		10	0.17	ug/L		01/14/21 08:19	01/15/21 17:28	1
Bis(2-chloroethyl)ether	ND		10	2.8	ug/L		01/14/21 08:19	01/15/21 17:28	1
bis (2-chloroisopropyl) ether	ND		10	0.17	ug/L		01/14/21 08:19	01/15/21 17:28	1
Bis(2-ethylhexyl) phthalate	ND		10	5.2	ug/L		01/14/21 08:19	01/15/21 17:28	1
4-Bromophenyl phenyl ether	ND		10	0.21	ug/L		01/14/21 08:19	01/15/21 17:28	1
Butyl benzyl phthalate	ND		10	0.20	ug/L		01/14/21 08:19	01/15/21 17:28	1
4-Chloroaniline	ND		10	3.6	ug/L		01/14/21 08:19	01/15/21 17:28	1
4-Chloro-3-methylphenol	ND		10	4.0	ug/L		01/14/21 08:19	01/15/21 17:28	1
2-Chloronaphthalene	ND		10	0.15	ug/L		01/14/21 08:19	01/15/21 17:28	1
2-Chlorophenol	ND		10	2.3	ug/L		01/14/21 08:19	01/15/21 17:28	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		01/14/21 08:19	01/15/21 17:28	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/14/21 08:19	01/15/21 17:28	1
Dibenzofuran	ND		10	0.18	ug/L		01/14/21 08:19	01/15/21 17:28	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		01/14/21 08:19	01/15/21 17:28	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		01/14/21 08:19	01/15/21 17:28	1
Diethyl phthalate	ND		10	0.25	ug/L		01/14/21 08:19	01/15/21 17:28	1
2,4-Dimethylphenol	ND		10	3.7	ug/L		01/14/21 08:19	01/15/21 17:28	1
Dimethyl phthalate	ND		10	0.18	ug/L		01/14/21 08:19	01/15/21 17:28	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		01/14/21 08:19	01/15/21 17:28	1
4,6-Dinitro-ortho-cresol	ND		10	1.7	ug/L		01/14/21 08:19	01/15/21 17:28	1
2,4-Dinitrophenol	ND		31	3.6	ug/L		01/14/21 08:19	01/15/21 17:28	1
2,4-Dinitrotoluene	ND		10	2.0	ug/L		01/14/21 08:19	01/15/21 17:28	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		01/14/21 08:19	01/15/21 17:28	1
Di-n-octyl phthalate	ND		10	0.18	ug/L		01/14/21 08:19	01/15/21 17:28	1
1,4-Dioxane	ND		10	1.0	ug/L		01/14/21 08:19	01/15/21 17:28	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/14/21 08:19	01/15/21 17:28	1
Hexachlorobenzene	ND		10	0.18	ug/L		01/14/21 08:19	01/15/21 17:28	1
Hexachlorocyclopentadiene	ND	UJ	21	2.7	ug/L		01/14/21 08:19	01/15/21 17:28	1
Hexachloroethane	ND		10	4.4	ug/L		01/14/21 08:19	01/15/21 17:28	1
Indene	ND		10	1.0	ug/L		01/14/21 08:19	01/15/21 17:28	1
Isophorone	ND		10	0.15	ug/L		01/14/21 08:19	01/15/21 17:28	1
2-Methylphenol	ND		10	1.9	ug/L		01/14/21 08:19	01/15/21 17:28	1
3 & 4 Methylphenol	ND		21	0.41	ug/L		01/14/21 08:19	01/15/21 17:28	1
2-Nitroaniline	ND		10	2.3	ug/L		01/14/21 08:19	01/15/21 17:28	1
3-Nitroaniline	ND		10	1.9	ug/L		01/14/21 08:19	01/15/21 17:28	1
4-Nitroaniline	ND		10	1.6	ug/L		01/14/21 08:19	01/15/21 17:28	1
Nitrobenzene	ND		10	0.14	ug/L		01/14/21 08:19	01/15/21 17:28	1
2-Nitrophenol	ND		10	5.4	ug/L		01/14/21 08:19	01/15/21 17:28	1
4-Nitrophenol	ND		10	2.2	ug/L		01/14/21 08:19	01/15/21 17:28	1
N-Nitrosodimethylamine	ND		10	3.7	ug/L		01/14/21 08:19	01/15/21 17:28	1

Client Sample ID: MW1-ROX-011221
Date Collected: 01/12/21 12:20
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.5	ug/L		01/14/21 08:19	01/15/21 17:28	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		01/14/21 08:19	01/15/21 17:28	1
Pentachlorophenol	ND		21	1.5	ug/L		01/14/21 08:19	01/15/21 17:28	1
Phenol	ND		10	2.7	ug/L		01/14/21 08:19	01/15/21 17:28	1
Pyridine	ND		10	3.4	ug/L		01/14/21 08:19	01/15/21 17:28	1
Quinoline	ND		10	4.7	ug/L		01/14/21 08:19	01/15/21 17:28	1
2,4,5-Trichlorophenol	ND		10	3.9	ug/L		01/14/21 08:19	01/15/21 17:28	1
2,4,6-Trichlorophenol	ND		10	3.7	ug/L		01/14/21 08:19	01/15/21 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*46 - 124*	*01/14/21 08:19*	*01/15/21 17:28*	*1*
2-Fluorophenol	*12*	*S1-*	*13 - 113*	*01/14/21 08:19*	*01/15/21 17:28*	*1*
Nitrobenzene-d5	*46*		*36 - 126*	*01/14/21 08:19*	*01/15/21 17:28*	*1*
Phenol-d5	*25*		*17 - 127*	*01/14/21 08:19*	*01/15/21 17:28*	*1*
Terphenyl-d14	*38*	*S1-*	*44 - 149*	*01/14/21 08:19*	*01/15/21 17:28*	*1*
2,4,6-Tribromophenol	*44*		*26 - 150*	*01/14/21 08:19*	*01/15/21 17:28*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/20/21 09:13	01/20/21 19:13	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/20/21 09:13	01/20/21 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*	*p*	*51 - 149*	*01/20/21 09:13*	*01/20/21 19:13*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: TB-ROX-011221-8260-B
Date Collected: 01/12/21 00:00
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/25/21 12:41	1
Acrolein	ND		20	10	ug/L			01/25/21 12:41	1
Acrylonitrile	ND		10	2.8	ug/L			01/25/21 12:41	1
Benzene	ND		1.0	0.38	ug/L			01/25/21 12:41	1
Bromobenzene	ND		1.0	0.54	ug/L			01/25/21 12:41	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/25/21 12:41	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/25/21 12:41	1
Bromoform	ND		5.0	0.71	ug/L			01/25/21 12:41	1
Bromomethane	ND		1.0	0.98	ug/L			01/25/21 12:41	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/25/21 12:41	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/25/21 12:41	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/25/21 12:41	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/25/21 12:41	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/25/21 12:41	1
Chloroethane	ND		1.0	0.76	ug/L			01/25/21 12:41	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/25/21 12:41	1
Chloroform	ND		1.0	0.60	ug/L			01/25/21 12:41	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/25/21 12:41	1
Chloromethane	ND		1.0	0.83	ug/L			01/25/21 12:41	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 12:41	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/25/21 12:41	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/25/21 12:41	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/25/21 12:41	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/25/21 12:41	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/25/21 12:41	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/25/21 12:41	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/25/21 12:41	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 12:41	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 12:41	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 12:41	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 12:41	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/25/21 12:41	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/25/21 12:41	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/25/21 12:41	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/25/21 12:41	1
2-Hexanone	ND		25	3.1	ug/L			01/25/21 12:41	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/25/21 12:41	1
Methylene bromide	ND		5.0	0.59	ug/L			01/25/21 12:41	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/25/21 12:41	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/25/21 12:41	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/25/21 12:41	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/25/21 12:41	1
Naphthalene	ND		1.0	1.0	ug/L			01/25/21 12:41	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/25/21 12:41	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/25/21 12:41	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/25/21 12:41	1
o-Xylene	ND		5.0	0.60	ug/L			01/25/21 12:41	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/25/21 12:41	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/25/21 12:41	1

Client Sample ID: TB-ROX-011221-8260-B
Date Collected: 01/12/21 00:00
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/25/21 12:41	1
Styrene	ND		1.0	1.0	ug/L			01/25/21 12:41	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/25/21 12:41	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/25/21 12:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/25/21 12:41	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/25/21 12:41	1
Toluene	ND		1.0	0.41	ug/L			01/25/21 12:41	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 12:41	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/25/21 12:41	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/25/21 12:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/25/21 12:41	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/25/21 12:41	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/25/21 12:41	1
Trichloroethene	ND		1.0	0.50	ug/L			01/25/21 12:41	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/25/21 12:41	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/25/21 12:41	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/25/21 12:41	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/25/21 12:41	1
Vinyl acetate	ND		25	2.0	ug/L			01/25/21 12:41	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/25/21 12:41	1
Xylenes, Total	ND		10	1.6	ug/L			01/25/21 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*01/25/21 12:41*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*01/25/21 12:41*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/25/21 12:41*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: TB-ROX-011221-8011-B
Date Collected: 01/12/21 00:00
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-7
Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/20/21 09:13	01/20/21 19:33	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/20/21 09:13	01/20/21 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*	*p*	*51 - 149*	*01/20/21 09:13*	*01/20/21 19:33*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: P56-ROX-011221
Date Collected: 01/12/21 09:40
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/25/21 13:04	1
Acrolein	ND		20	10	ug/L			01/25/21 13:04	1
Acrylonitrile	ND		10	2.8	ug/L			01/25/21 13:04	1
Benzene	**0.42**	**J**	1.0	0.38	ug/L			01/25/21 13:04	1
Bromobenzene	ND		1.0	0.54	ug/L			01/25/21 13:04	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/25/21 13:04	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/25/21 13:04	1
Bromoform	ND		5.0	0.71	ug/L			01/25/21 13:04	1
Bromomethane	ND		1.0	0.98	ug/L			01/25/21 13:04	1
2-Butanone (MEK)	6.8	J	25	2.6	ug/L			01/25/21 13:04	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/25/21 13:04	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/25/21 13:04	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/25/21 13:04	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/25/21 13:04	1
Chloroethane	ND		1.0	0.76	ug/L			01/25/21 13:04	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/25/21 13:04	1
Chloroform	ND		1.0	0.60	ug/L			01/25/21 13:04	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/25/21 13:04	1
Chloromethane	ND		1.0	0.83	ug/L			01/25/21 13:04	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 13:04	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/25/21 13:04	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/25/21 13:04	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/25/21 13:04	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/25/21 13:04	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/25/21 13:04	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/25/21 13:04	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/25/21 13:04	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 13:04	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 13:04	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 13:04	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 13:04	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/25/21 13:04	1
Ethylbenzene	**0.70**	**J**	1.0	0.50	ug/L			01/25/21 13:04	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/25/21 13:04	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/25/21 13:04	1
2-Hexanone	ND		25	3.1	ug/L			01/25/21 13:04	1
Isopropylbenzene	**12**		1.0	0.53	ug/L			01/25/21 13:04	1
Methylene bromide	ND		5.0	0.59	ug/L			01/25/21 13:04	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/25/21 13:04	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/25/21 13:04	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/25/21 13:04	1
m-Xylene & p-Xylene	**2.7**	**J**	5.0	1.6	ug/L			01/25/21 13:04	1
Naphthalene	ND		1.0	1.0	ug/L			01/25/21 13:04	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/25/21 13:04	1
N-Propylbenzene	**13**		1.0	0.69	ug/L			01/25/21 13:04	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/25/21 13:04	1
o-Xylene	ND		5.0	0.60	ug/L			01/25/21 13:04	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/25/21 13:04	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/25/21 13:04	1

Client Sample ID: P56-ROX-011221
Date Collected: 01/12/21 09:40
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	1.5		1.0	0.70	ug/L			01/25/21 13:04	1
Styrene	ND		1.0	1.0	ug/L			01/25/21 13:04	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/25/21 13:04	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/25/21 13:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/25/21 13:04	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/25/21 13:04	1
Toluene	0.48	J	1.0	0.41	ug/L			01/25/21 13:04	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 13:04	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/25/21 13:04	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/25/21 13:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/25/21 13:04	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/25/21 13:04	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/25/21 13:04	1
Trichloroethene	ND		1.0	0.50	ug/L			01/25/21 13:04	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/25/21 13:04	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/25/21 13:04	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/25/21 13:04	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/25/21 13:04	1
Vinyl acetate	ND		25	2.0	ug/L			01/25/21 13:04	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/25/21 13:04	1
Xylenes, Total	2.9	J	10	1.6	ug/L			01/25/21 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/25/21 13:04*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/25/21 13:04*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/25/21 13:04*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.52		0.19	0.030	ug/L		01/14/21 08:19	01/18/21 21:46	1
Acenaphthylene	ND		0.19	0.042	ug/L		01/14/21 08:19	01/18/21 21:46	1
Anthracene	ND		0.19	0.030	ug/L		01/14/21 08:19	01/18/21 21:46	1
Benzo[a]anthracene	ND		0.19	0.043	ug/L		01/14/21 08:19	01/18/21 21:46	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		01/14/21 08:19	01/18/21 21:46	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		01/14/21 08:19	01/18/21 21:46	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/14/21 08:19	01/18/21 21:46	1
Benzo[k]fluoranthene	ND		0.19	0.094	ug/L		01/14/21 08:19	01/18/21 21:46	1
Chrysene	ND		0.19	0.070	ug/L		01/14/21 08:19	01/18/21 21:46	1
Dibenz(a,h)anthracene	ND		0.19	0.047	ug/L		01/14/21 08:19	01/18/21 21:46	1
Fluoranthene	ND		0.19	0.064	ug/L		01/14/21 08:19	01/18/21 21:46	1
Fluorene	0.27		0.19	0.10	ug/L		01/14/21 08:19	01/18/21 21:46	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		01/14/21 08:19	01/18/21 21:46	1
1-Methylnaphthalene	12		0.19	0.070	ug/L		01/14/21 08:19	01/18/21 21:46	1
2-Methylnaphthalene	8.7		0.19	0.057	ug/L		01/14/21 08:19	01/18/21 21:46	1
Phenanthrene	0.55		0.19	0.034	ug/L		01/14/21 08:19	01/18/21 21:46	1
Pyrene	ND		0.19	0.038	ug/L		01/14/21 08:19	01/18/21 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*105*		*15 - 122*	*01/14/21 08:19*	*01/18/21 21:46*	*1*
Nitrobenzene-d5	*109*		*19 - 130*	*01/14/21 08:19*	*01/18/21 21:46*	*1*

Client Sample ID: P56-ROX-011221
Date Collected: 01/12/21 09:40
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-8
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*90*		*33 - 138*	*01/14/21 08:19*	*01/18/21 21:46*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	*+	9.4	3.6	ug/L		01/14/21 08:19	01/15/21 17:49	1
Benzenethiol	ND	*1 UJ	9.4	1.6	ug/L		01/14/21 08:19	01/15/21 17:49	1
Benzoic acid	ND		28	6.9	ug/L		01/14/21 08:19	01/15/21 17:49	1
Benzyl alcohol	ND		9.4	1.9	ug/L		01/14/21 08:19	01/15/21 17:49	1
Bis(2-chloroethoxy)methane	ND		9.4	0.15	ug/L		01/14/21 08:19	01/15/21 17:49	1
Bis(2-chloroethyl)ether	ND		9.4	2.5	ug/L		01/14/21 08:19	01/15/21 17:49	1
bis (2-chloroisopropyl) ether	ND		9.4	0.15	ug/L		01/14/21 08:19	01/15/21 17:49	1
Bis(2-ethylhexyl) phthalate	ND		9.4	4.7	ug/L		01/14/21 08:19	01/15/21 17:49	1
4-Bromophenyl phenyl ether	ND		9.4	0.19	ug/L		01/14/21 08:19	01/15/21 17:49	1
Butyl benzyl phthalate	ND		9.4	0.18	ug/L		01/14/21 08:19	01/15/21 17:49	1
4-Chloroaniline	ND		9.4	3.2	ug/L		01/14/21 08:19	01/15/21 17:49	1
4-Chloro-3-methylphenol	ND		9.4	3.6	ug/L		01/14/21 08:19	01/15/21 17:49	1
2-Chloronaphthalene	ND		9.4	0.13	ug/L		01/14/21 08:19	01/15/21 17:49	1
2-Chlorophenol	ND		9.4	2.1	ug/L		01/14/21 08:19	01/15/21 17:49	1
4-Chlorophenyl phenyl ether	ND		9.4	1.9	ug/L		01/14/21 08:19	01/15/21 17:49	1
Dibenz[a,h]acridine	ND		9.4	0.94	ug/L		01/14/21 08:19	01/15/21 17:49	1
Dibenzofuran	ND		9.4	0.16	ug/L		01/14/21 08:19	01/15/21 17:49	1
3,3'-Dichlorobenzidine	ND		9.4	2.5	ug/L		01/14/21 08:19	01/15/21 17:49	1
2,4-Dichlorophenol	ND		9.4	2.8	ug/L		01/14/21 08:19	01/15/21 17:49	1
Diethyl phthalate	ND		9.4	0.23	ug/L		01/14/21 08:19	01/15/21 17:49	1
2,4-Dimethylphenol	ND		9.4	3.3	ug/L		01/14/21 08:19	01/15/21 17:49	1
Dimethyl phthalate	ND		9.4	0.16	ug/L		01/14/21 08:19	01/15/21 17:49	1
Di-n-butyl phthalate	ND		9.4	2.5	ug/L		01/14/21 08:19	01/15/21 17:49	1
4,6-Dinitro-ortho-cresol	ND		9.4	1.5	ug/L		01/14/21 08:19	01/15/21 17:49	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		01/14/21 08:19	01/15/21 17:49	1
2,4-Dinitrotoluene	ND		9.4	1.8	ug/L		01/14/21 08:19	01/15/21 17:49	1
2,6-Dinitrotoluene	ND		9.4	1.8	ug/L		01/14/21 08:19	01/15/21 17:49	1
Di-n-octyl phthalate	ND		9.4	0.16	ug/L		01/14/21 08:19	01/15/21 17:49	1
1,4-Dioxane	ND		9.4	0.94	ug/L		01/14/21 08:19	01/15/21 17:49	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.4	0.94	ug/L		01/14/21 08:19	01/15/21 17:49	1
Hexachlorobenzene	ND		9.4	0.16	ug/L		01/14/21 08:19	01/15/21 17:49	1
Hexachlorocyclopentadiene	ND	UJ	19	2.5	ug/L		01/14/21 08:19	01/15/21 17:49	1
Hexachloroethane	ND		9.4	4.0	ug/L		01/14/21 08:19	01/15/21 17:49	1
Indene	ND		9.4	0.94	ug/L		01/14/21 08:19	01/15/21 17:49	1
Isophorone	ND		9.4	0.13	ug/L		01/14/21 08:19	01/15/21 17:49	1
2-Methylphenol	ND		9.4	1.7	ug/L		01/14/21 08:19	01/15/21 17:49	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/14/21 08:19	01/15/21 17:49	1
2-Nitroaniline	ND		9.4	2.1	ug/L		01/14/21 08:19	01/15/21 17:49	1
3-Nitroaniline	ND		9.4	1.7	ug/L		01/14/21 08:19	01/15/21 17:49	1
4-Nitroaniline	ND		9.4	1.4	ug/L		01/14/21 08:19	01/15/21 17:49	1
Nitrobenzene	ND		9.4	0.12	ug/L		01/14/21 08:19	01/15/21 17:49	1
2-Nitrophenol	ND		9.4	4.9	ug/L		01/14/21 08:19	01/15/21 17:49	1
4-Nitrophenol	ND		9.4	2.0	ug/L		01/14/21 08:19	01/15/21 17:49	1
N-Nitrosodimethylamine	ND		9.4	3.3	ug/L		01/14/21 08:19	01/15/21 17:49	1

Client Sample ID: P56-ROX-011221
Date Collected: 01/12/21 09:40
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.4	3.1	ug/L		01/14/21 08:19	01/15/21 17:49	1
N-Nitrosodiphenylamine	ND		9.4	0.17	ug/L		01/14/21 08:19	01/15/21 17:49	1
Pentachlorophenol	ND		19	1.3	ug/L		01/14/21 08:19	01/15/21 17:49	1
Phenol	ND		9.4	2.5	ug/L		01/14/21 08:19	01/15/21 17:49	1
Pyridine	ND		9.4	3.0	ug/L		01/14/21 08:19	01/15/21 17:49	1
Quinoline	ND		9.4	4.2	ug/L		01/14/21 08:19	01/15/21 17:49	1
2,4,5-Trichlorophenol	ND		9.4	3.5	ug/L		01/14/21 08:19	01/15/21 17:49	1
2,4,6-Trichlorophenol	ND		9.4	3.3	ug/L		01/14/21 08:19	01/15/21 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*46 - 124*	*01/14/21 08:19*	*01/15/21 17:49*	*1*
2-Fluorophenol	*38*		*13 - 113*	*01/14/21 08:19*	*01/15/21 17:49*	*1*
Nitrobenzene-d5	*53*		*36 - 126*	*01/14/21 08:19*	*01/15/21 17:49*	*1*
Phenol-d5	*53*		*17 - 127*	*01/14/21 08:19*	*01/15/21 17:49*	*1*
Terphenyl-d14	*35*	*S1-*	*44 - 149*	*01/14/21 08:19*	*01/15/21 17:49*	*1*
2,4,6-Tribromophenol	*61*		*26 - 150*	*01/14/21 08:19*	*01/15/21 17:49*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/20/21 09:13	01/20/21 19:52	1
1,2-Dibromoethane	ND		0.021	0.0051	ug/L		01/20/21 09:13	01/20/21 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*	*p*	*51 - 149*	*01/20/21 09:13*	*01/20/21 19:52*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: P74-ROX-011221
Date Collected: 01/12/21 10:55
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/25/21 13:26	1
Acrolein	ND		20	10	ug/L			01/25/21 13:26	1
Acrylonitrile	ND		10	2.8	ug/L			01/25/21 13:26	1
Benzene	**51**		1.0	0.38	ug/L			01/25/21 13:26	1
Bromobenzene	ND		1.0	0.54	ug/L			01/25/21 13:26	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/25/21 13:26	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/25/21 13:26	1
Bromoform	ND		5.0	0.71	ug/L			01/25/21 13:26	1
Bromomethane	ND		1.0	0.98	ug/L			01/25/21 13:26	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/25/21 13:26	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/25/21 13:26	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/25/21 13:26	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/25/21 13:26	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/25/21 13:26	1
Chloroethane	ND		1.0	0.76	ug/L			01/25/21 13:26	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/25/21 13:26	1
Chloroform	ND		1.0	0.60	ug/L			01/25/21 13:26	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/25/21 13:26	1
Chloromethane	ND		1.0	0.83	ug/L			01/25/21 13:26	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 13:26	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/25/21 13:26	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/25/21 13:26	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/25/21 13:26	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/25/21 13:26	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/25/21 13:26	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/25/21 13:26	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/25/21 13:26	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 13:26	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 13:26	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 13:26	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 13:26	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/25/21 13:26	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/25/21 13:26	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/25/21 13:26	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/25/21 13:26	1
2-Hexanone	ND		25	3.1	ug/L			01/25/21 13:26	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/25/21 13:26	1
Methylene bromide	ND		5.0	0.59	ug/L			01/25/21 13:26	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/25/21 13:26	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/25/21 13:26	1
Methyl tert-butyl ether	**1.1**		1.0	0.74	ug/L			01/25/21 13:26	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/25/21 13:26	1
Naphthalene	ND		1.0	1.0	ug/L			01/25/21 13:26	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/25/21 13:26	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/25/21 13:26	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/25/21 13:26	1
o-Xylene	ND		5.0	0.60	ug/L			01/25/21 13:26	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/25/21 13:26	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/25/21 13:26	1

Client Sample ID: P74-ROX-011221
Date Collected: 01/12/21 10:55
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/25/21 13:26	1
Styrene	ND		1.0	1.0	ug/L			01/25/21 13:26	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/25/21 13:26	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/25/21 13:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/25/21 13:26	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/25/21 13:26	1
Toluene	ND		1.0	0.41	ug/L			01/25/21 13:26	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 13:26	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/25/21 13:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/25/21 13:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/25/21 13:26	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/25/21 13:26	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/25/21 13:26	1
Trichloroethene	ND		1.0	0.50	ug/L			01/25/21 13:26	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/25/21 13:26	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/25/21 13:26	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/25/21 13:26	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/25/21 13:26	1
Vinyl acetate	ND		25	2.0	ug/L			01/25/21 13:26	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/25/21 13:26	1
Xylenes, Total	ND		10	1.6	ug/L			01/25/21 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/25/21 13:26*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*01/25/21 13:26*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/25/21 13:26*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.031	ug/L		01/14/21 08:19	01/18/21 22:01	1
Acenaphthylene	ND		0.19	0.043	ug/L		01/14/21 08:19	01/18/21 22:01	1
Anthracene	ND		0.19	0.031	ug/L		01/14/21 08:19	01/18/21 22:01	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		01/14/21 08:19	01/18/21 22:01	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		01/14/21 08:19	01/18/21 22:01	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		01/14/21 08:19	01/18/21 22:01	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/14/21 08:19	01/18/21 22:01	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		01/14/21 08:19	01/18/21 22:01	1
Chrysene	ND		0.19	0.071	ug/L		01/14/21 08:19	01/18/21 22:01	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		01/14/21 08:19	01/18/21 22:01	1
Fluoranthene	ND		0.19	0.065	ug/L		01/14/21 08:19	01/18/21 22:01	1
Fluorene	ND		0.19	0.11	ug/L		01/14/21 08:19	01/18/21 22:01	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		01/14/21 08:19	01/18/21 22:01	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		01/14/21 08:19	01/18/21 22:01	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		01/14/21 08:19	01/18/21 22:01	1
Phenanthrene	ND		0.19	0.034	ug/L		01/14/21 08:19	01/18/21 22:01	1
Pyrene	ND		0.19	0.038	ug/L		01/14/21 08:19	01/18/21 22:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*15 - 122*	*01/14/21 08:19*	*01/18/21 22:01*	*1*
Nitrobenzene-d5	*92*		*19 - 130*	*01/14/21 08:19*	*01/18/21 22:01*	*1*

Client Sample ID: P74-ROX-011221
Date Collected: 01/12/21 10:55
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-9
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	107		33 - 138	01/14/21 08:19	01/18/21 22:01	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	*+	9.5	3.6	ug/L		01/14/21 08:19	01/15/21 18:11	1
Benzenethiol	ND	*1 UJ	9.5	1.6	ug/L		01/14/21 08:19	01/15/21 18:11	1
Benzoic acid	ND		29	7.0	ug/L		01/14/21 08:19	01/15/21 18:11	1
Benzyl alcohol	ND		9.5	1.9	ug/L		01/14/21 08:19	01/15/21 18:11	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		01/14/21 08:19	01/15/21 18:11	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		01/14/21 08:19	01/15/21 18:11	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		01/14/21 08:19	01/15/21 18:11	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.8	ug/L		01/14/21 08:19	01/15/21 18:11	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		01/14/21 08:19	01/15/21 18:11	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		01/14/21 08:19	01/15/21 18:11	1
4-Chloroaniline	ND		9.5	3.2	ug/L		01/14/21 08:19	01/15/21 18:11	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		01/14/21 08:19	01/15/21 18:11	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		01/14/21 08:19	01/15/21 18:11	1
2-Chlorophenol	ND		9.5	2.1	ug/L		01/14/21 08:19	01/15/21 18:11	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		01/14/21 08:19	01/15/21 18:11	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		01/14/21 08:19	01/15/21 18:11	1
Dibenzofuran	ND		9.5	0.16	ug/L		01/14/21 08:19	01/15/21 18:11	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		01/14/21 08:19	01/15/21 18:11	1
2,4-Dichlorophenol	ND		9.5	2.9	ug/L		01/14/21 08:19	01/15/21 18:11	1
Diethyl phthalate	ND		9.5	0.23	ug/L		01/14/21 08:19	01/15/21 18:11	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		01/14/21 08:19	01/15/21 18:11	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		01/14/21 08:19	01/15/21 18:11	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		01/14/21 08:19	01/15/21 18:11	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		01/14/21 08:19	01/15/21 18:11	1
2,4-Dinitrophenol	ND		29	3.2	ug/L		01/14/21 08:19	01/15/21 18:11	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		01/14/21 08:19	01/15/21 18:11	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		01/14/21 08:19	01/15/21 18:11	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		01/14/21 08:19	01/15/21 18:11	1
1,4-Dioxane	ND		9.5	0.95	ug/L		01/14/21 08:19	01/15/21 18:11	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		01/14/21 08:19	01/15/21 18:11	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		01/14/21 08:19	01/15/21 18:11	1
Hexachlorocyclopentadiene	ND	UJ	19	2.5	ug/L		01/14/21 08:19	01/15/21 18:11	1
Hexachloroethane	ND		9.5	4.0	ug/L		01/14/21 08:19	01/15/21 18:11	1
Indene	ND		9.5	0.95	ug/L		01/14/21 08:19	01/15/21 18:11	1
Isophorone	ND		9.5	0.13	ug/L		01/14/21 08:19	01/15/21 18:11	1
2-Methylphenol	ND		9.5	1.7	ug/L		01/14/21 08:19	01/15/21 18:11	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/14/21 08:19	01/15/21 18:11	1
2-Nitroaniline	ND		9.5	2.1	ug/L		01/14/21 08:19	01/15/21 18:11	1
3-Nitroaniline	ND		9.5	1.7	ug/L		01/14/21 08:19	01/15/21 18:11	1
4-Nitroaniline	ND		9.5	1.4	ug/L		01/14/21 08:19	01/15/21 18:11	1
Nitrobenzene	ND		9.5	0.12	ug/L		01/14/21 08:19	01/15/21 18:11	1
2-Nitrophenol	ND		9.5	5.0	ug/L		01/14/21 08:19	01/15/21 18:11	1
4-Nitrophenol	ND		9.5	2.0	ug/L		01/14/21 08:19	01/15/21 18:11	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		01/14/21 08:19	01/15/21 18:11	1

Client Sample ID: P74-ROX-011221
Date Collected: 01/12/21 10:55
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.5	3.2	ug/L		01/14/21 08:19	01/15/21 18:11	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		01/14/21 08:19	01/15/21 18:11	1
Pentachlorophenol	ND		19	1.3	ug/L		01/14/21 08:19	01/15/21 18:11	1
Phenol	3.5	J J	9.5	2.5	ug/L		01/14/21 08:19	01/15/21 18:11	1
Pyridine	ND		9.5	3.1	ug/L		01/14/21 08:19	01/15/21 18:11	1
Quinoline	ND		9.5	4.3	ug/L		01/14/21 08:19	01/15/21 18:11	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		01/14/21 08:19	01/15/21 18:11	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		01/14/21 08:19	01/15/21 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*46 - 124*	*01/14/21 08:19*	*01/15/21 18:11*	*1*
2-Fluorophenol	*36*		*13 - 113*	*01/14/21 08:19*	*01/15/21 18:11*	*1*
Nitrobenzene-d5	*55*		*36 - 126*	*01/14/21 08:19*	*01/15/21 18:11*	*1*
Phenol-d5	*54*		*17 - 127*	*01/14/21 08:19*	*01/15/21 18:11*	*1*
Terphenyl-d14	*54*		*44 - 149*	*01/14/21 08:19*	*01/15/21 18:11*	*1*
2,4,6-Tribromophenol	*57*		*26 - 150*	*01/14/21 08:19*	*01/15/21 18:11*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0056	ug/L		01/20/21 09:13	01/20/21 20:12	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/20/21 09:13	01/20/21 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*	*p*	*51 - 149*	*01/20/21 09:13*	*01/20/21 20:12*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: T12-ROX-011221
Date Collected: 01/12/21 11:55
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		250	100	ug/L			01/25/21 13:48	10
Acrolein	ND		200	100	ug/L			01/25/21 13:48	10
Acrylonitrile	ND		100	28	ug/L			01/25/21 13:48	10
Benzene	**1600**		10	3.8	ug/L			01/25/21 13:48	10
Bromobenzene	ND		10	5.4	ug/L			01/25/21 13:48	10
Bromochloromethane	ND		10	5.2	ug/L			01/25/21 13:48	10
Bromodichloromethane	ND		10	5.0	ug/L			01/25/21 13:48	10
Bromoform	ND		50	7.1	ug/L			01/25/21 13:48	10
Bromomethane	ND		10	9.8	ug/L			01/25/21 13:48	10
2-Butanone (MEK)	ND		250	26	ug/L			01/25/21 13:48	10
Carbon disulfide	ND		10	5.0	ug/L			01/25/21 13:48	10
Carbon tetrachloride	ND		10	5.0	ug/L			01/25/21 13:48	10
Chlorobenzene	ND		10	5.0	ug/L			01/25/21 13:48	10
Dibromochloromethane	ND		10	5.0	ug/L			01/25/21 13:48	10
Chloroethane	ND		10	7.6	ug/L			01/25/21 13:48	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			01/25/21 13:48	10
Chloroform	ND		10	6.0	ug/L			01/25/21 13:48	10
1-Chlorohexane	ND		10	7.0	ug/L			01/25/21 13:48	10
Chloromethane	ND		10	8.3	ug/L			01/25/21 13:48	10
cis-1,2-Dichloroethene	ND		10	5.0	ug/L			01/25/21 13:48	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			01/25/21 13:48	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			01/25/21 13:48	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			01/25/21 13:48	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			01/25/21 13:48	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			01/25/21 13:48	10
1,1-Dichloroethane	ND		10	5.0	ug/L			01/25/21 13:48	10
1,2-Dichloroethane	ND		10	5.0	ug/L			01/25/21 13:48	10
1,1-Dichloroethene	ND		10	5.0	ug/L			01/25/21 13:48	10
1,2-Dichloropropane	ND		10	5.0	ug/L			01/25/21 13:48	10
1,3-Dichloropropane	ND		10	5.0	ug/L			01/25/21 13:48	10
2,2-Dichloropropane	ND		10	5.0	ug/L			01/25/21 13:48	10
1,1-Dichloropropene	ND		10	5.0	ug/L			01/25/21 13:48	10
Ethylbenzene	**7.4**	J	10	5.0	ug/L			01/25/21 13:48	10
Ethyl methacrylate	ND		10	6.0	ug/L			01/25/21 13:48	10
Hexachlorobutadiene	ND		50	9.0	ug/L			01/25/21 13:48	10
2-Hexanone	ND		250	31	ug/L			01/25/21 13:48	10
Isopropylbenzene	ND		10	5.3	ug/L			01/25/21 13:48	10
Methylene bromide	ND		50	5.9	ug/L			01/25/21 13:48	10
Methylene Chloride	ND		50	30	ug/L			01/25/21 13:48	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			01/25/21 13:48	10
Methyl tert-butyl ether	ND		10	7.4	ug/L			01/25/21 13:48	10
m-Xylene & p-Xylene	**33**	J	50	16	ug/L			01/25/21 13:48	10
Naphthalene	**20**		10	10	ug/L			01/25/21 13:48	10
n-Butylbenzene	ND		10	7.6	ug/L			01/25/21 13:48	10
N-Propylbenzene	ND		10	6.9	ug/L			01/25/21 13:48	10
o-Chlorotoluene	ND		10	5.7	ug/L			01/25/21 13:48	10
o-Xylene	ND		50	6.0	ug/L			01/25/21 13:48	10
p-Chlorotoluene	ND		10	5.6	ug/L			01/25/21 13:48	10
p-Isopropyltoluene	ND		10	7.1	ug/L			01/25/21 13:48	10

Client Sample ID: T12-ROX-011221
Date Collected: 01/12/21 11:55
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		10	7.0	ug/L			01/25/21 13:48	10
Styrene	ND		10	10	ug/L			01/25/21 13:48	10
tert-Butylbenzene	ND		10	6.3	ug/L			01/25/21 13:48	10
1,1,1,2-Tetrachloroethane	ND		10	5.2	ug/L			01/25/21 13:48	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			01/25/21 13:48	10
Tetrachloroethene	ND		10	5.8	ug/L			01/25/21 13:48	10
Toluene	27		10	4.1	ug/L			01/25/21 13:48	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			01/25/21 13:48	10
trans-1,3-Dichloropropene	ND		50	5.0	ug/L			01/25/21 13:48	10
1,2,3-Trichlorobenzene	ND		10	7.0	ug/L			01/25/21 13:48	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			01/25/21 13:48	10
1,1,1-Trichloroethane	ND		10	5.0	ug/L			01/25/21 13:48	10
1,1,2-Trichloroethane	ND		50	5.0	ug/L			01/25/21 13:48	10
Trichloroethene	ND		10	5.0	ug/L			01/25/21 13:48	10
Trichlorofluoromethane	ND		10	5.2	ug/L			01/25/21 13:48	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			01/25/21 13:48	10
1,2,4-Trimethylbenzene	ND		10	8.2	ug/L			01/25/21 13:48	10
1,3,5-Trimethylbenzene	5.9	J	10	5.6	ug/L			01/25/21 13:48	10
Vinyl acetate	ND		250	20	ug/L			01/25/21 13:48	10
Vinyl chloride	ND		10	5.0	ug/L			01/25/21 13:48	10
Xylenes, Total	36	J	100	16	ug/L			01/25/21 13:48	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/25/21 13:48*	*10*
Dibromofluoromethane	*99*		*81 - 121*		*01/25/21 13:48*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*01/25/21 13:48*	*10*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.36		0.19	0.030	ug/L		01/14/21 08:19	01/18/21 22:17	1
Acenaphthylene	ND		0.19	0.042	ug/L		01/14/21 08:19	01/18/21 22:17	1
Anthracene	0.15	J	0.19	0.030	ug/L		01/14/21 08:19	01/18/21 22:17	1
Benzo[a]anthracene	0.077	J	0.19	0.043	ug/L		01/14/21 08:19	01/18/21 22:17	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		01/14/21 08:19	01/18/21 22:17	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		01/14/21 08:19	01/18/21 22:17	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/14/21 08:19	01/18/21 22:17	1
Benzo[k]fluoranthene	ND		0.19	0.094	ug/L		01/14/21 08:19	01/18/21 22:17	1
Chrysene	ND		0.19	0.070	ug/L		01/14/21 08:19	01/18/21 22:17	1
Dibenz(a,h)anthracene	ND		0.19	0.047	ug/L		01/14/21 08:19	01/18/21 22:17	1
Fluoranthene	0.079	J	0.19	0.064	ug/L		01/14/21 08:19	01/18/21 22:17	1
Fluorene	0.35		0.19	0.10	ug/L		01/14/21 08:19	01/18/21 22:17	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.040	ug/L		01/14/21 08:19	01/18/21 22:17	1
1-Methylnaphthalene	18		0.19	0.070	ug/L		01/14/21 08:19	01/18/21 22:17	1
2-Methylnaphthalene	25		0.19	0.056	ug/L		01/14/21 08:19	01/18/21 22:17	1
Phenanthrene	0.62		0.19	0.034	ug/L		01/14/21 08:19	01/18/21 22:17	1
Pyrene	0.076	J	0.19	0.038	ug/L		01/14/21 08:19	01/18/21 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*15 - 122*	*01/14/21 08:19*	*01/18/21 22:17*	*1*
Nitrobenzene-d5	*102*		*19 - 130*	*01/14/21 08:19*	*01/18/21 22:17*	*1*

Client Sample ID: T12-ROX-011221
Date Collected: 01/12/21 11:55
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-10
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*113*		*33 - 138*	*01/14/21 08:19*	*01/18/21 22:17*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	*+	9.4	3.6	ug/L		01/14/21 08:19	01/15/21 18:32	1
Benzenethiol	ND	*1 UJ	9.4	1.6	ug/L		01/14/21 08:19	01/15/21 18:32	1
Benzoic acid	ND		28	6.9	ug/L		01/14/21 08:19	01/15/21 18:32	1
Benzyl alcohol	ND		9.4	1.9	ug/L		01/14/21 08:19	01/15/21 18:32	1
Bis(2-chloroethoxy)methane	ND		9.4	0.15	ug/L		01/14/21 08:19	01/15/21 18:32	1
Bis(2-chloroethyl)ether	ND		9.4	2.5	ug/L		01/14/21 08:19	01/15/21 18:32	1
bis (2-chloroisopropyl) ether	ND		9.4	0.15	ug/L		01/14/21 08:19	01/15/21 18:32	1
Bis(2-ethylhexyl) phthalate	ND		9.4	4.7	ug/L		01/14/21 08:19	01/15/21 18:32	1
4-Bromophenyl phenyl ether	ND		9.4	0.19	ug/L		01/14/21 08:19	01/15/21 18:32	1
Butyl benzyl phthalate	ND		9.4	0.18	ug/L		01/14/21 08:19	01/15/21 18:32	1
4-Chloroaniline	ND		9.4	3.2	ug/L		01/14/21 08:19	01/15/21 18:32	1
4-Chloro-3-methylphenol	ND		9.4	3.6	ug/L		01/14/21 08:19	01/15/21 18:32	1
2-Chloronaphthalene	ND		9.4	0.13	ug/L		01/14/21 08:19	01/15/21 18:32	1
2-Chlorophenol	ND		9.4	2.1	ug/L		01/14/21 08:19	01/15/21 18:32	1
4-Chlorophenyl phenyl ether	ND		9.4	1.9	ug/L		01/14/21 08:19	01/15/21 18:32	1
Dibenz[a,h]acridine	ND		9.4	0.94	ug/L		01/14/21 08:19	01/15/21 18:32	1
Dibenzofuran	ND		9.4	0.16	ug/L		01/14/21 08:19	01/15/21 18:32	1
3,3'-Dichlorobenzidine	ND		9.4	2.4	ug/L		01/14/21 08:19	01/15/21 18:32	1
2,4-Dichlorophenol	ND		9.4	2.8	ug/L		01/14/21 08:19	01/15/21 18:32	1
Diethyl phthalate	ND		9.4	0.23	ug/L		01/14/21 08:19	01/15/21 18:32	1
2,4-Dimethylphenol	ND		9.4	3.3	ug/L		01/14/21 08:19	01/15/21 18:32	1
Dimethyl phthalate	ND		9.4	0.16	ug/L		01/14/21 08:19	01/15/21 18:32	1
Di-n-butyl phthalate	ND		9.4	2.5	ug/L		01/14/21 08:19	01/15/21 18:32	1
4,6-Dinitro-ortho-cresol	ND		9.4	1.5	ug/L		01/14/21 08:19	01/15/21 18:32	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		01/14/21 08:19	01/15/21 18:32	1
2,4-Dinitrotoluene	ND		9.4	1.8	ug/L		01/14/21 08:19	01/15/21 18:32	1
2,6-Dinitrotoluene	ND		9.4	1.8	ug/L		01/14/21 08:19	01/15/21 18:32	1
Di-n-octyl phthalate	ND		9.4	0.16	ug/L		01/14/21 08:19	01/15/21 18:32	1
1,4-Dioxane	ND		9.4	0.94	ug/L		01/14/21 08:19	01/15/21 18:32	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.4	0.94	ug/L		01/14/21 08:19	01/15/21 18:32	1
Hexachlorobenzene	ND		9.4	0.16	ug/L		01/14/21 08:19	01/15/21 18:32	1
Hexachlorocyclopentadiene	ND	UJ	19	2.4	ug/L		01/14/21 08:19	01/15/21 18:32	1
Hexachloroethane	ND		9.4	4.0	ug/L		01/14/21 08:19	01/15/21 18:32	1
Indene	ND		9.4	0.94	ug/L		01/14/21 08:19	01/15/21 18:32	1
Isophorone	ND		9.4	0.13	ug/L		01/14/21 08:19	01/15/21 18:32	1
2-Methylphenol	ND		9.4	1.7	ug/L		01/14/21 08:19	01/15/21 18:32	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/14/21 08:19	01/15/21 18:32	1
2-Nitroaniline	ND		9.4	2.1	ug/L		01/14/21 08:19	01/15/21 18:32	1
3-Nitroaniline	ND		9.4	1.7	ug/L		01/14/21 08:19	01/15/21 18:32	1
4-Nitroaniline	ND		9.4	1.4	ug/L		01/14/21 08:19	01/15/21 18:32	1
Nitrobenzene	ND		9.4	0.12	ug/L		01/14/21 08:19	01/15/21 18:32	1
2-Nitrophenol	ND		9.4	4.9	ug/L		01/14/21 08:19	01/15/21 18:32	1
4-Nitrophenol	ND		9.4	2.0	ug/L		01/14/21 08:19	01/15/21 18:32	1
N-Nitrosodimethylamine	ND		9.4	3.3	ug/L		01/14/21 08:19	01/15/21 18:32	1

Client Sample ID: T12-ROX-011221
Date Collected: 01/12/21 11:55
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.4	3.1	ug/L		01/14/21 08:19	01/15/21 18:32	1
N-Nitrosodiphenylamine	ND		9.4	0.17	ug/L		01/14/21 08:19	01/15/21 18:32	1
Pentachlorophenol	ND		19	1.3	ug/L		01/14/21 08:19	01/15/21 18:32	1
Phenol	91		9.4	2.4	ug/L		01/14/21 08:19	01/18/21 17:50	1
Pyridine	ND		9.4	3.0	ug/L		01/14/21 08:19	01/15/21 18:32	1
Quinoline	ND		9.4	4.2	ug/L		01/14/21 08:19	01/15/21 18:32	1
2,4,5-Trichlorophenol	ND		9.4	3.5	ug/L		01/14/21 08:19	01/15/21 18:32	1
2,4,6-Trichlorophenol	ND		9.4	3.3	ug/L		01/14/21 08:19	01/15/21 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*46 - 124*	*01/14/21 08:19*	*01/15/21 18:32*	*1*
2-Fluorophenol	*38*		*13 - 113*	*01/14/21 08:19*	*01/15/21 18:32*	*1*
Nitrobenzene-d5	*51*		*36 - 126*	*01/14/21 08:19*	*01/15/21 18:32*	*1*
Phenol-d5	*51*		*17 - 127*	*01/14/21 08:19*	*01/15/21 18:32*	*1*
Terphenyl-d14	*46*		*44 - 149*	*01/14/21 08:19*	*01/15/21 18:32*	*1*
2,4,6-Tribromophenol	*69*		*26 - 150*	*01/14/21 08:19*	*01/15/21 18:32*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.032	0.0058	ug/L		01/20/21 09:13	01/20/21 20:32	1
1,2-Dibromoethane	ND		0.021	0.0053	ug/L		01/20/21 09:13	01/20/21 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*	*p*	*51 - 149*	*01/20/21 09:13*	*01/20/21 20:32*	*1*

Client Sample ID: T12-ROX-011221-DUP
Date Collected: 01/12/21 11:55
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		250	100	ug/L			01/25/21 14:10	10
Acrolein	ND		200	100	ug/L			01/25/21 14:10	10
Acrylonitrile	ND		100	28	ug/L			01/25/21 14:10	10
Benzene	**1600**		10	3.8	ug/L			01/25/21 14:10	10
Bromobenzene	ND		10	5.4	ug/L			01/25/21 14:10	10
Bromochloromethane	ND		10	5.2	ug/L			01/25/21 14:10	10
Bromodichloromethane	ND		10	5.0	ug/L			01/25/21 14:10	10
Bromoform	ND		50	7.1	ug/L			01/25/21 14:10	10
Bromomethane	ND		10	9.8	ug/L			01/25/21 14:10	10
2-Butanone (MEK)	ND		250	26	ug/L			01/25/21 14:10	10
Carbon disulfide	ND		10	5.0	ug/L			01/25/21 14:10	10
Carbon tetrachloride	ND		10	5.0	ug/L			01/25/21 14:10	10
Chlorobenzene	ND		10	5.0	ug/L			01/25/21 14:10	10
Dibromochloromethane	ND		10	5.0	ug/L			01/25/21 14:10	10
Chloroethane	ND		10	7.6	ug/L			01/25/21 14:10	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			01/25/21 14:10	10
Chloroform	ND		10	6.0	ug/L			01/25/21 14:10	10
1-Chlorohexane	ND		10	7.0	ug/L			01/25/21 14:10	10
Chloromethane	ND		10	8.3	ug/L			01/25/21 14:10	10
cis-1,2-Dichloroethene	ND		10	5.0	ug/L			01/25/21 14:10	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			01/25/21 14:10	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			01/25/21 14:10	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			01/25/21 14:10	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			01/25/21 14:10	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			01/25/21 14:10	10
1,1-Dichloroethane	ND		10	5.0	ug/L			01/25/21 14:10	10
1,2-Dichloroethane	ND		10	5.0	ug/L			01/25/21 14:10	10
1,1-Dichloroethene	ND		10	5.0	ug/L			01/25/21 14:10	10
1,2-Dichloropropane	ND		10	5.0	ug/L			01/25/21 14:10	10
1,3-Dichloropropane	ND		10	5.0	ug/L			01/25/21 14:10	10
2,2-Dichloropropane	ND		10	5.0	ug/L			01/25/21 14:10	10
1,1-Dichloropropene	ND		10	5.0	ug/L			01/25/21 14:10	10
Ethylbenzene	**7.2**	**J**	10	5.0	ug/L			01/25/21 14:10	10
Ethyl methacrylate	ND		10	6.0	ug/L			01/25/21 14:10	10
Hexachlorobutadiene	ND		50	9.0	ug/L			01/25/21 14:10	10
2-Hexanone	ND		250	31	ug/L			01/25/21 14:10	10
Isopropylbenzene	ND		10	5.3	ug/L			01/25/21 14:10	10
Methylene bromide	ND		50	5.9	ug/L			01/25/21 14:10	10
Methylene Chloride	ND		50	30	ug/L			01/25/21 14:10	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			01/25/21 14:10	10
Methyl tert-butyl ether	ND		10	7.4	ug/L			01/25/21 14:10	10
m-Xylene & p-Xylene	**31**	**J**	50	16	ug/L			01/25/21 14:10	10
Naphthalene	**20**		10	10	ug/L			01/25/21 14:10	10
n-Butylbenzene	ND		10	7.6	ug/L			01/25/21 14:10	10
N-Propylbenzene	ND		10	6.9	ug/L			01/25/21 14:10	10
o-Chlorotoluene	ND		10	5.7	ug/L			01/25/21 14:10	10
o-Xylene	ND		50	6.0	ug/L			01/25/21 14:10	10
p-Chlorotoluene	ND		10	5.6	ug/L			01/25/21 14:10	10
p-Isopropyltoluene	ND		10	7.1	ug/L			01/25/21 14:10	10

Client Sample ID: T12-ROX-011221-DUP
Date Collected: 01/12/21 11:55
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		10	7.0	ug/L			01/25/21 14:10	10
Styrene	ND		10	10	ug/L			01/25/21 14:10	10
tert-Butylbenzene	ND		10	6.3	ug/L			01/25/21 14:10	10
1,1,1,2-Tetrachloroethane	ND		10	5.2	ug/L			01/25/21 14:10	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			01/25/21 14:10	10
Tetrachloroethene	ND		10	5.8	ug/L			01/25/21 14:10	10
Toluene	25		10	4.1	ug/L			01/25/21 14:10	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			01/25/21 14:10	10
trans-1,3-Dichloropropene	ND		50	5.0	ug/L			01/25/21 14:10	10
1,2,3-Trichlorobenzene	ND		10	7.0	ug/L			01/25/21 14:10	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			01/25/21 14:10	10
1,1,1-Trichloroethane	ND		10	5.0	ug/L			01/25/21 14:10	10
1,1,2-Trichloroethane	ND		50	5.0	ug/L			01/25/21 14:10	10
Trichloroethene	ND		10	5.0	ug/L			01/25/21 14:10	10
Trichlorofluoromethane	ND		10	5.2	ug/L			01/25/21 14:10	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			01/25/21 14:10	10
1,2,4-Trimethylbenzene	ND		10	8.2	ug/L			01/25/21 14:10	10
1,3,5-Trimethylbenzene	ND		10	5.6	ug/L			01/25/21 14:10	10
Vinyl acetate	ND		250	20	ug/L			01/25/21 14:10	10
Vinyl chloride	ND		10	5.0	ug/L			01/25/21 14:10	10
Xylenes, Total	34	J	100	16	ug/L			01/25/21 14:10	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/25/21 14:10*	*10*
Dibromofluoromethane	*102*		*81 - 121*		*01/25/21 14:10*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/25/21 14:10*	*10*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.31		0.19	0.031	ug/L		01/14/21 08:20	01/18/21 22:32	1
Acenaphthylene	ND		0.19	0.043	ug/L		01/14/21 08:20	01/18/21 22:32	1
Anthracene	0.10	J	0.19	0.031	ug/L		01/14/21 08:20	01/18/21 22:32	1
Benzo[a]anthracene	0.19		0.19	0.044	ug/L		01/14/21 08:20	01/18/21 22:32	1
Benzo[a]pyrene	0.19		0.19	0.040	ug/L		01/14/21 08:20	01/18/21 22:32	1
Benzo[b]fluoranthene	0.22		0.19	0.032	ug/L		01/14/21 08:20	01/18/21 22:32	1
Benzo[g,h,i]perylene	0.24		0.19	0.12	ug/L		01/14/21 08:20	01/18/21 22:32	1
Benzo[k]fluoranthene	0.23		0.19	0.095	ug/L		01/14/21 08:20	01/18/21 22:32	1
Chrysene	0.15	J	0.19	0.071	ug/L		01/14/21 08:20	01/18/21 22:32	1
Dibenz(a,h)anthracene	0.39		0.19	0.048	ug/L		01/14/21 08:20	01/18/21 22:32	1
Fluoranthene	0.10	J	0.19	0.065	ug/L		01/14/21 08:20	01/18/21 22:32	1
Fluorene	0.36		0.19	0.11	ug/L		01/14/21 08:20	01/18/21 22:32	1
Indeno[1,2,3-cd]pyrene	0.25		0.19	0.041	ug/L		01/14/21 08:20	01/18/21 22:32	1
1-Methylnaphthalene	19		0.19	0.071	ug/L		01/14/21 08:20	01/18/21 22:32	1
2-Methylnaphthalene	27		0.19	0.057	ug/L		01/14/21 08:20	01/18/21 22:32	1
Phenanthrene	0.57		0.19	0.034	ug/L		01/14/21 08:20	01/18/21 22:32	1
Pyrene	0.12	J	0.19	0.038	ug/L		01/14/21 08:20	01/18/21 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*97*		*15 - 122*	*01/14/21 08:20*	*01/18/21 22:32*	*1*
Nitrobenzene-d5	*110*		*19 - 130*	*01/14/21 08:20*	*01/18/21 22:32*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: T12-ROX-011221-DUP
Date Collected: 01/12/21 11:55
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-11
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	105		33 - 138	01/14/21 08:20	01/18/21 22:32	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	*+	9.5	3.6	ug/L		01/14/21 08:20	01/15/21 18:53	1
Benzenethiol	ND	*1 UJ	9.5	1.6	ug/L		01/14/21 08:20	01/15/21 18:53	1
Benzoic acid	ND		29	7.0	ug/L		01/14/21 08:20	01/15/21 18:53	1
Benzyl alcohol	ND		9.5	1.9	ug/L		01/14/21 08:20	01/15/21 18:53	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		01/14/21 08:20	01/15/21 18:53	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		01/14/21 08:20	01/15/21 18:53	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		01/14/21 08:20	01/15/21 18:53	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.8	ug/L		01/14/21 08:20	01/15/21 18:53	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		01/14/21 08:20	01/15/21 18:53	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		01/14/21 08:20	01/15/21 18:53	1
4-Chloroaniline	ND		9.5	3.2	ug/L		01/14/21 08:20	01/15/21 18:53	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		01/14/21 08:20	01/15/21 18:53	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		01/14/21 08:20	01/15/21 18:53	1
2-Chlorophenol	ND		9.5	2.1	ug/L		01/14/21 08:20	01/15/21 18:53	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		01/14/21 08:20	01/15/21 18:53	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		01/14/21 08:20	01/15/21 18:53	1
Dibenzofuran	ND		9.5	0.16	ug/L		01/14/21 08:20	01/15/21 18:53	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		01/14/21 08:20	01/15/21 18:53	1
2,4-Dichlorophenol	ND		9.5	2.9	ug/L		01/14/21 08:20	01/15/21 18:53	1
Diethyl phthalate	ND		9.5	0.23	ug/L		01/14/21 08:20	01/15/21 18:53	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		01/14/21 08:20	01/15/21 18:53	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		01/14/21 08:20	01/15/21 18:53	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		01/14/21 08:20	01/15/21 18:53	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		01/14/21 08:20	01/15/21 18:53	1
2,4-Dinitrophenol	ND		29	3.2	ug/L		01/14/21 08:20	01/15/21 18:53	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		01/14/21 08:20	01/15/21 18:53	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		01/14/21 08:20	01/15/21 18:53	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		01/14/21 08:20	01/15/21 18:53	1
1,4-Dioxane	ND		9.5	0.95	ug/L		01/14/21 08:20	01/15/21 18:53	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		01/14/21 08:20	01/15/21 18:53	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		01/14/21 08:20	01/15/21 18:53	1
Hexachlorocyclopentadiene	ND	UJ	19	2.5	ug/L		01/14/21 08:20	01/15/21 18:53	1
Hexachloroethane	ND		9.5	4.0	ug/L		01/14/21 08:20	01/15/21 18:53	1
Indene	ND		9.5	0.95	ug/L		01/14/21 08:20	01/15/21 18:53	1
Isophorone	ND		9.5	0.13	ug/L		01/14/21 08:20	01/15/21 18:53	1
2-Methylphenol	ND		9.5	1.7	ug/L		01/14/21 08:20	01/15/21 18:53	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/14/21 08:20	01/15/21 18:53	1
2-Nitroaniline	ND		9.5	2.1	ug/L		01/14/21 08:20	01/15/21 18:53	1
3-Nitroaniline	ND		9.5	1.7	ug/L		01/14/21 08:20	01/15/21 18:53	1
4-Nitroaniline	ND		9.5	1.4	ug/L		01/14/21 08:20	01/15/21 18:53	1
Nitrobenzene	ND		9.5	0.12	ug/L		01/14/21 08:20	01/15/21 18:53	1
2-Nitrophenol	ND		9.5	5.0	ug/L		01/14/21 08:20	01/15/21 18:53	1
4-Nitrophenol	ND		9.5	2.0	ug/L		01/14/21 08:20	01/15/21 18:53	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		01/14/21 08:20	01/15/21 18:53	1

Client Sample ID: T12-ROX-011221-DUP
Date Collected: 01/12/21 11:55
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-11
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.5	3.2	ug/L		01/14/21 08:20	01/15/21 18:53	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		01/14/21 08:20	01/15/21 18:53	1
Pentachlorophenol	ND		19	1.3	ug/L		01/14/21 08:20	01/15/21 18:53	1
Phenol	110		9.5	2.5	ug/L		01/14/21 08:20	01/18/21 18:11	1
Pyridine	ND		9.5	3.1	ug/L		01/14/21 08:20	01/15/21 18:53	1
Quinoline	ND		9.5	4.3	ug/L		01/14/21 08:20	01/15/21 18:53	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		01/14/21 08:20	01/15/21 18:53	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		01/14/21 08:20	01/15/21 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*46 - 124*	*01/14/21 08:20*	*01/15/21 18:53*	*1*
2-Fluorophenol	*39*		*13 - 113*	*01/14/21 08:20*	*01/15/21 18:53*	*1*
Nitrobenzene-d5	*59*		*36 - 126*	*01/14/21 08:20*	*01/15/21 18:53*	*1*
Phenol-d5	*54*		*17 - 127*	*01/14/21 08:20*	*01/15/21 18:53*	*1*
Terphenyl-d14	*44*		*44 - 149*	*01/14/21 08:20*	*01/15/21 18:53*	*1*
2,4,6-Tribromophenol	*74*		*26 - 150*	*01/14/21 08:20*	*01/15/21 18:53*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/20/21 09:13	01/20/21 20:52	1
1,2-Dibromoethane	ND		0.021	0.0051	ug/L		01/20/21 09:13	01/20/21 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*	*p*	*51 - 149*	*01/20/21 09:13*	*01/20/21 20:52*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-198156-1	TB-ROX-011221-8260-A	98	102	95
400-198156-3	MW10-ROX-011221	99	103	96
400-198156-3 MS	MW10-ROX-011221	94	102	92
400-198156-3 MSD	MW10-ROX-011221	92	101	92
400-198156-4	MW9-ROX-011221	98	102	98
400-198156-5	MW1-ROX-011221	98	104	95
400-198156-6	TB-ROX-011221-8260-B	95	101	97
400-198156-8	P56-ROX-011221	98	99	97
400-198156-9	P74-ROX-011221	98	103	96
400-198156-10	T12-ROX-011221	99	99	94
400-198156-11	T12-ROX-011221-DUP	99	102	95
LCS 400-518322/1002	Lab Control Sample	86	102	92
MB 400-518322/5	Method Blank	98	101	98

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(46-124)	(13-113)	(36-126)	(17-127)	(44-149)	(26-150)
400-198156-3	MW10-ROX-011221	51	14	45	32	39 S1-	49
400-198156-4	MW9-ROX-011221	60	22	51	44	46	53
400-198156-5	MW1-ROX-011221	56	12 S1-	46	25	38 S1-	44
400-198156-8	P56-ROX-011221	64	38	53	53	35 S1-	61
400-198156-9	P74-ROX-011221	68	36	55	54	54	57
400-198156-10	T12-ROX-011221	60	38	51	51	46	69
400-198156-11	T12-ROX-011221-DUP	65	39	59	54	44	74
LCS 400-517254/2-A	Lab Control Sample	93	58	89	79	82	90
LCS 400-517254/3-A	Lab Control Sample	100	36	83	70	85	54
LCSD 400-517254/4-A	Lab Control Sample Dup	103	37	84	66	90	69
MB 400-517254/1-A	Method Blank	88	39	77	71	71	70

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(15-122)	(19-130)	(33-138)
400-198156-3	MW10-ROX-011221	101	107	120
400-198156-4	MW9-ROX-011221	111	117	135
400-198156-5	MW1-ROX-011221	100	100	105
400-198156-8	P56-ROX-011221	105	109	90
400-198156-9	P74-ROX-011221	89	92	107
400-198156-10	T12-ROX-011221	91	102	113
400-198156-11	T12-ROX-011221-DUP	97	110	105
LCS 400-517254/2-A	Lab Control Sample	89	71	94
MB 400-517254/1-A	Method Blank	65	64	76

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB2
Lab Sample ID	Client Sample ID	(51-149)
400-198156-2	TB-ROX-011221-8011-A	98 p
400-198156-3	MW10-ROX-011221	92
400-198156-4	MW9-ROX-011221	93 p
400-198156-5	MW1-ROX-011221	101 p
400-198156-7	TB-ROX-011221-8011-B	92 p
400-198156-8	P56-ROX-011221	86 p
400-198156-9	P74-ROX-011221	101 p
400-198156-10	T12-ROX-011221	99 p
400-198156-11	T12-ROX-011221-DUP	103 p
LCS 400-517923/2-A	Lab Control Sample	97
LCSD 400-517923/3-A	Lab Control Sample Dup	93
MB 400-517923/1-A	Method Blank	92

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL PEN
5030B	Purge and Trap	SW846	TAL PEN
8011	Microextraction	SW846	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Client Sample ID: TB-ROX-011221-8260-A

Lab Sample ID: 400-198156-1

Date Collected: 01/12/21 00:00
Matrix: Water
Date Received: 01/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518322	01/25/21 11:13	AMB	TAL PEN

Client Sample ID: TB-ROX-011221-8011-A

Lab Sample ID: 400-198156-2

Date Collected: 01/12/21 00:00
Matrix: Water
Date Received: 01/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.7 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 21:31	DS	TAL PEN

Client Sample ID: MW10-ROX-011221

Lab Sample ID: 400-198156-3

Date Collected: 01/12/21 09:45
Matrix: Water
Date Received: 01/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518322	01/25/21 11:35	AMB	TAL PEN
Total/NA	Prep	3520C			244 mL	1 mL	517254	01/14/21 08:19	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517556	01/15/21 16:46	S1B	TAL PEN
Total/NA	Prep	3520C			244 mL	1 mL	517254	01/14/21 08:19	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517750	01/18/21 17:08	S1B	TAL PEN
Total/NA	Prep	3520C			244 mL	1 mL	517254	01/14/21 08:19	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517696	01/18/21 20:59	PP1	TAL PEN
Total/NA	Prep	8011			33.5 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 18:33	DS	TAL PEN

Client Sample ID: MW9-ROX-011221

Lab Sample ID: 400-198156-4

Date Collected: 01/12/21 11:00
Matrix: Water
Date Received: 01/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518322	01/25/21 11:57	AMB	TAL PEN
Total/NA	Prep	3520C			247 mL	1 mL	517254	01/14/21 08:19	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517556	01/15/21 17:07	S1B	TAL PEN
Total/NA	Prep	3520C			247 mL	1 mL	517254	01/14/21 08:19	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517750	01/18/21 17:29	S1B	TAL PEN
Total/NA	Prep	3520C			247 mL	1 mL	517254	01/14/21 08:19	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517696	01/18/21 21:15	PP1	TAL PEN
Total/NA	Prep	8011			33.8 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 18:53	DS	TAL PEN

Client Sample ID: MW1-ROX-011221

Lab Sample ID: 400-198156-5

Date Collected: 01/12/21 12:20
Date Received: 01/13/21 09:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518322	01/25/21 12:19	AMB	TAL PEN
Total/NA	Prep	3520C			238.8 mL	1 mL	517254	01/14/21 08:19	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517556	01/15/21 17:28	S1B	TAL PEN
Total/NA	Prep	3520C			238.8 mL	1 mL	517254	01/14/21 08:19	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517696	01/18/21 21:30	PP1	TAL PEN
Total/NA	Prep	8011			33.8 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 19:13	DS	TAL PEN

Client Sample ID: TB-ROX-011221-8260-B

Lab Sample ID: 400-198156-6

Date Collected: 01/12/21 00:00
Date Received: 01/13/21 09:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518322	01/25/21 12:41	AMB	TAL PEN

Client Sample ID: TB-ROX-011221-8011-B

Lab Sample ID: 400-198156-7

Date Collected: 01/12/21 00:00
Date Received: 01/13/21 09:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.8 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 19:33	DS	TAL PEN

Client Sample ID: P56-ROX-011221

Lab Sample ID: 400-198156-8

Date Collected: 01/12/21 09:40
Date Received: 01/13/21 09:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518322	01/25/21 13:04	AMB	TAL PEN
Total/NA	Prep	3520C			265 mL	1 mL	517254	01/14/21 08:19	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517556	01/15/21 17:49	S1B	TAL PEN
Total/NA	Prep	3520C			265 mL	1 mL	517254	01/14/21 08:19	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517696	01/18/21 21:46	PP1	TAL PEN
Total/NA	Prep	8011			34 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 19:52	DS	TAL PEN

Client Sample ID: P74-ROX-011221

Lab Sample ID: 400-198156-9

Date Collected: 01/12/21 10:55
Date Received: 01/13/21 09:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518322	01/25/21 13:26	AMB	TAL PEN
Total/NA	Prep	3520C			261.8 mL	1 mL	517254	01/14/21 08:19	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517556	01/15/21 18:11	S1B	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Client Sample ID: P74-ROX-011221

Date Collected: 01/12/21 10:55
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			261.8 mL	1 mL	517254	01/14/21 08:19	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517696	01/18/21 22:01	PP1	TAL PEN
Total/NA	Prep	8011			34.5 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 20:12	DS	TAL PEN

Client Sample ID: T12-ROX-011221

Date Collected: 01/12/21 11:55
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	518322	01/25/21 13:48	AMB	TAL PEN
Total/NA	Prep	3520C			265.8 mL	1 mL	517254	01/14/21 08:19	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517556	01/15/21 18:32	S1B	TAL PEN
Total/NA	Prep	3520C			265.8 mL	1 mL	517254	01/14/21 08:19	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517750	01/18/21 17:50	S1B	TAL PEN
Total/NA	Prep	3520C			265.8 mL	1 mL	517254	01/14/21 08:19	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517696	01/18/21 22:17	PP1	TAL PEN
Total/NA	Prep	8011			33.1 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 20:32	DS	TAL PEN

Client Sample ID: T12-ROX-011221-DUP

Date Collected: 01/12/21 11:55
Date Received: 01/13/21 09:20

Lab Sample ID: 400-198156-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	518322	01/25/21 14:10	AMB	TAL PEN
Total/NA	Prep	3520C			261.8 mL	1 mL	517254	01/14/21 08:20	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517556	01/15/21 18:53	S1B	TAL PEN
Total/NA	Prep	3520C			261.8 mL	1 mL	517254	01/14/21 08:20	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517750	01/18/21 18:11	S1B	TAL PEN
Total/NA	Prep	3520C			261.8 mL	1 mL	517254	01/14/21 08:20	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517696	01/18/21 22:32	PP1	TAL PEN
Total/NA	Prep	8011			34.1 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 20:52	DS	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-517254/1-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 14:14	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			517474	01/14/21 16:46	PP1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517923/1-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 15:14	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-518322/5

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518322	01/25/21 10:51	AMB	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-517254/2-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 14:35	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			517474	01/14/21 17:02	PP1	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-517254/3-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 14:56	S1B	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-517923/2-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 15:34	DS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-518322/1002

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518322	01/25/21 09:14	AMB	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-517254/4-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517254	01/13/21 08:31	KWS	TAL PEN
Total/NA	Analysis	8270D		1			517448	01/14/21 15:18	S1B	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-517923/3-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 15:54	DS	TAL PEN

Client Sample ID: MW10-ROX-011221 — **Lab Sample ID: 400-198156-3 MS**
Date Collected: 01/12/21 09:45 — **Matrix: Water**
Date Received: 01/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518322	01/25/21 14:32	AMB	TAL PEN

Client Sample ID: MW10-ROX-011221 — **Lab Sample ID: 400-198156-3 MSD**
Date Collected: 01/12/21 09:45 — **Matrix: Water**
Date Received: 01/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518322	01/25/21 14:54	AMB	TAL PEN

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 518322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198156-1	TB-ROX-011221-8260-A	Total/NA	Water	8260B	
400-198156-3	MW10-ROX-011221	Total/NA	Water	8260B	
400-198156-4	MW9-ROX-011221	Total/NA	Water	8260B	
400-198156-5	MW1-ROX-011221	Total/NA	Water	8260B	
400-198156-6	TB-ROX-011221-8260-B	Total/NA	Water	8260B	
400-198156-8	P56-ROX-011221	Total/NA	Water	8260B	
400-198156-9	P74-ROX-011221	Total/NA	Water	8260B	
400-198156-10	T12-ROX-011221	Total/NA	Water	8260B	
400-198156-11	T12-ROX-011221-DUP	Total/NA	Water	8260B	
MB 400-518322/5	Method Blank	Total/NA	Water	8260B	
LCS 400-518322/1002	Lab Control Sample	Total/NA	Water	8260B	
400-198156-3 MS	MW10-ROX-011221	Total/NA	Water	8260B	
400-198156-3 MSD	MW10-ROX-011221	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 517254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198156-3	MW10-ROX-011221	Total/NA	Water	3520C	
400-198156-4	MW9-ROX-011221	Total/NA	Water	3520C	
400-198156-5	MW1-ROX-011221	Total/NA	Water	3520C	
400-198156-8	P56-ROX-011221	Total/NA	Water	3520C	
400-198156-9	P74-ROX-011221	Total/NA	Water	3520C	
400-198156-10	T12-ROX-011221	Total/NA	Water	3520C	
400-198156-11	T12-ROX-011221-DUP	Total/NA	Water	3520C	
MB 400-517254/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-517254/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-517254/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-517254/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 517448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-517254/1-A	Method Blank	Total/NA	Water	8270D	517254
LCS 400-517254/2-A	Lab Control Sample	Total/NA	Water	8270D	517254
LCS 400-517254/3-A	Lab Control Sample	Total/NA	Water	8270D	517254
LCSD 400-517254/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	517254

Analysis Batch: 517474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-517254/1-A	Method Blank	Total/NA	Water	8270D LL	517254
LCS 400-517254/2-A	Lab Control Sample	Total/NA	Water	8270D LL	517254

Analysis Batch: 517556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198156-3	MW10-ROX-011221	Total/NA	Water	8270D	517254
400-198156-4	MW9-ROX-011221	Total/NA	Water	8270D	517254
400-198156-5	MW1-ROX-011221	Total/NA	Water	8270D	517254
400-198156-8	P56-ROX-011221	Total/NA	Water	8270D	517254
400-198156-9	P74-ROX-011221	Total/NA	Water	8270D	517254
400-198156-10	T12-ROX-011221	Total/NA	Water	8270D	517254
400-198156-11	T12-ROX-011221-DUP	Total/NA	Water	8270D	517254

GC/MS Semi VOA

Analysis Batch: 517696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198156-3	MW10-ROX-011221	Total/NA	Water	8270D LL	517254
400-198156-4	MW9-ROX-011221	Total/NA	Water	8270D LL	517254
400-198156-5	MW1-ROX-011221	Total/NA	Water	8270D LL	517254
400-198156-8	P56-ROX-011221	Total/NA	Water	8270D LL	517254
400-198156-9	P74-ROX-011221	Total/NA	Water	8270D LL	517254
400-198156-10	T12-ROX-011221	Total/NA	Water	8270D LL	517254
400-198156-11	T12-ROX-011221-DUP	Total/NA	Water	8270D LL	517254

Analysis Batch: 517750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198156-3	MW10-ROX-011221	Total/NA	Water	8270D	517254
400-198156-4	MW9-ROX-011221	Total/NA	Water	8270D	517254
400-198156-10	T12-ROX-011221	Total/NA	Water	8270D	517254
400-198156-11	T12-ROX-011221-DUP	Total/NA	Water	8270D	517254

GC Semi VOA

Prep Batch: 517923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198156-2	TB-ROX-011221-8011-A	Total/NA	Water	8011	
400-198156-3	MW10-ROX-011221	Total/NA	Water	8011	
400-198156-4	MW9-ROX-011221	Total/NA	Water	8011	
400-198156-5	MW1-ROX-011221	Total/NA	Water	8011	
400-198156-7	TB-ROX-011221-8011-B	Total/NA	Water	8011	
400-198156-8	P56-ROX-011221	Total/NA	Water	8011	
400-198156-9	P74-ROX-011221	Total/NA	Water	8011	
400-198156-10	T12-ROX-011221	Total/NA	Water	8011	
400-198156-11	T12-ROX-011221-DUP	Total/NA	Water	8011	
MB 400-517923/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-517923/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-517923/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 517997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198156-2	TB-ROX-011221-8011-A	Total/NA	Water	8011	517923
400-198156-3	MW10-ROX-011221	Total/NA	Water	8011	517923
400-198156-4	MW9-ROX-011221	Total/NA	Water	8011	517923
400-198156-5	MW1-ROX-011221	Total/NA	Water	8011	517923
400-198156-7	TB-ROX-011221-8011-B	Total/NA	Water	8011	517923
400-198156-8	P56-ROX-011221	Total/NA	Water	8011	517923
400-198156-9	P74-ROX-011221	Total/NA	Water	8011	517923
400-198156-10	T12-ROX-011221	Total/NA	Water	8011	517923
400-198156-11	T12-ROX-011221-DUP	Total/NA	Water	8011	517923
MB 400-517923/1-A	Method Blank	Total/NA	Water	8011	517923
LCS 400-517923/2-A	Lab Control Sample	Total/NA	Water	8011	517923
LCSD 400-517923/3-A	Lab Control Sample Dup	Total/NA	Water	8011	517923

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-518322/5
Matrix: Water
Analysis Batch: 518322

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/25/21 10:51	1
Acrolein	ND		20	10	ug/L			01/25/21 10:51	1
Acrylonitrile	ND		10	2.8	ug/L			01/25/21 10:51	1
Benzene	ND		1.0	0.38	ug/L			01/25/21 10:51	1
Bromobenzene	ND		1.0	0.54	ug/L			01/25/21 10:51	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/25/21 10:51	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/25/21 10:51	1
Bromoform	ND		5.0	0.71	ug/L			01/25/21 10:51	1
Bromomethane	ND		1.0	0.98	ug/L			01/25/21 10:51	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/25/21 10:51	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/25/21 10:51	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/25/21 10:51	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/25/21 10:51	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/25/21 10:51	1
Chloroethane	ND		1.0	0.76	ug/L			01/25/21 10:51	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/25/21 10:51	1
Chloroform	ND		1.0	0.60	ug/L			01/25/21 10:51	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/25/21 10:51	1
Chloromethane	ND		1.0	0.83	ug/L			01/25/21 10:51	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 10:51	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/25/21 10:51	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/25/21 10:51	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/25/21 10:51	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/25/21 10:51	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/25/21 10:51	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/25/21 10:51	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/25/21 10:51	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 10:51	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 10:51	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 10:51	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/25/21 10:51	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/25/21 10:51	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/25/21 10:51	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/25/21 10:51	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/25/21 10:51	1
2-Hexanone	ND		25	3.1	ug/L			01/25/21 10:51	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/25/21 10:51	1
Methylene bromide	ND		5.0	0.59	ug/L			01/25/21 10:51	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/25/21 10:51	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/25/21 10:51	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/25/21 10:51	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/25/21 10:51	1
Naphthalene	ND		1.0	1.0	ug/L			01/25/21 10:51	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/25/21 10:51	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/25/21 10:51	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/25/21 10:51	1
o-Xylene	ND		5.0	0.60	ug/L			01/25/21 10:51	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/25/21 10:51	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-518322/5
Matrix: Water
Analysis Batch: 518322

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/25/21 10:51	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/25/21 10:51	1
Styrene	ND		1.0	1.0	ug/L			01/25/21 10:51	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/25/21 10:51	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/25/21 10:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/25/21 10:51	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/25/21 10:51	1
Toluene	ND		1.0	0.41	ug/L			01/25/21 10:51	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/25/21 10:51	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/25/21 10:51	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/25/21 10:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/25/21 10:51	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/25/21 10:51	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/25/21 10:51	1
Trichloroethene	ND		1.0	0.50	ug/L			01/25/21 10:51	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/25/21 10:51	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/25/21 10:51	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/25/21 10:51	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/25/21 10:51	1
Vinyl acetate	ND		25	2.0	ug/L			01/25/21 10:51	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/25/21 10:51	1
Xylenes, Total	ND		10	1.6	ug/L			01/25/21 10:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/25/21 10:51*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*01/25/21 10:51*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/25/21 10:51*	*1*

Lab Sample ID: LCS 400-518322/1002
Matrix: Water
Analysis Batch: 518322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	186		ug/L		93	43 - 160
Acrolein	500	570		ug/L		114	38 - 160
Acrylonitrile	500	555		ug/L		111	64 - 142
Benzene	50.0	45.6		ug/L		91	70 - 130
Bromobenzene	50.0	38.8		ug/L		78	70 - 132
Bromochloromethane	50.0	47.3		ug/L		95	70 - 130
Bromodichloromethane	50.0	43.9		ug/L		88	67 - 133
Bromoform	50.0	35.8		ug/L		72	57 - 140
Bromomethane	50.0	60.2		ug/L		120	10 - 160
2-Butanone (MEK)	200	195		ug/L		97	61 - 145
Carbon disulfide	50.0	41.5		ug/L		83	61 - 137
Carbon tetrachloride	50.0	43.6		ug/L		87	61 - 137
Chlorobenzene	50.0	42.4		ug/L		85	70 - 130
Dibromochloromethane	50.0	39.1		ug/L		78	67 - 135
Chloroethane	50.0	52.3		ug/L		105	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-518322/1002
Matrix: Water
Analysis Batch: 518322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	50.0	56.1		ug/L		112	10 - 160
Chloroform	50.0	45.4		ug/L		91	69 - 130
1-Chlorohexane	50.0	47.0		ug/L		94	69 - 130
Chloromethane	50.0	54.8		ug/L		110	58 - 137
cis-1,2-Dichloroethene	50.0	47.3		ug/L		95	68 - 130
cis-1,3-Dichloropropene	50.0	42.9		ug/L		86	69 - 132
1,2-Dichlorobenzene	50.0	41.6		ug/L		83	67 - 130
1,3-Dichlorobenzene	50.0	40.4		ug/L		81	70 - 130
1,4-Dichlorobenzene	50.0	40.9		ug/L		82	70 - 130
Dichlorodifluoromethane	50.0	56.2		ug/L		112	41 - 146
1,1-Dichloroethane	50.0	47.7		ug/L		95	70 - 130
1,2-Dichloroethane	50.0	49.1		ug/L		98	69 - 130
1,1-Dichloroethene	50.0	42.8		ug/L		86	63 - 134
1,2-Dichloropropane	50.0	48.3		ug/L		97	70 - 130
1,3-Dichloropropane	50.0	44.5		ug/L		89	70 - 130
2,2-Dichloropropane	50.0	41.0		ug/L		82	52 - 135
1,1-Dichloropropene	50.0	44.5		ug/L		89	70 - 130
Ethylbenzene	50.0	41.4		ug/L		83	70 - 130
Ethyl methacrylate	50.0	42.9		ug/L		86	68 - 130
Hexachlorobutadiene	50.0	41.6		ug/L		83	53 - 140
2-Hexanone	200	186		ug/L		93	65 - 137
Isopropylbenzene	50.0	39.4		ug/L		79	70 - 130
Methylene bromide	50.0	47.4		ug/L		95	70 - 130
Methylene Chloride	50.0	48.8		ug/L		98	66 - 135
4-Methyl-2-pentanone (MIBK)	200	221		ug/L		110	69 - 138
Methyl tert-butyl ether	50.0	46.0		ug/L		92	66 - 130
m-Xylene & p-Xylene	50.0	39.9		ug/L		80	70 - 130
Naphthalene	50.0	40.2		ug/L		80	47 - 149
n-Butylbenzene	50.0	40.7		ug/L		81	67 - 130
N-Propylbenzene	50.0	37.8		ug/L		76	70 - 130
o-Chlorotoluene	50.0	38.4		ug/L		77	70 - 130
o-Xylene	50.0	41.2		ug/L		82	70 - 130
p-Chlorotoluene	50.0	38.5		ug/L		77	70 - 130
p-Isopropyltoluene	50.0	39.8		ug/L		80	65 - 130
sec-Butylbenzene	50.0	38.7		ug/L		77	66 - 130
Styrene	50.0	42.3		ug/L		85	70 - 130
tert-Butylbenzene	50.0	36.8		ug/L		74	64 - 139
1,1,1,2-Tetrachloroethane	50.0	41.9		ug/L		84	67 - 131
1,1,2,2-Tetrachloroethane	50.0	43.1		ug/L		86	70 - 131
Tetrachloroethene	50.0	43.8		ug/L		88	65 - 130
Toluene	50.0	40.1		ug/L		80	70 - 130
trans-1,2-Dichloroethene	50.0	43.9		ug/L		88	70 - 130
trans-1,3-Dichloropropene	50.0	38.2		ug/L		76	63 - 130
1,2,3-Trichlorobenzene	50.0	41.9		ug/L		84	60 - 138
1,2,4-Trichlorobenzene	50.0	39.7		ug/L		79	60 - 140
1,1,1-Trichloroethane	50.0	43.3		ug/L		87	68 - 130
1,1,2-Trichloroethane	50.0	43.3		ug/L		87	70 - 130
Trichloroethene	50.0	45.9		ug/L		92	70 - 130
Trichlorofluoromethane	50.0	50.8		ug/L		102	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-518322/1002
Matrix: Water
Analysis Batch: 518322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	50.0	44.8		ug/L		90	70 - 130
1,2,4-Trimethylbenzene	50.0	38.5		ug/L		77	70 - 130
1,3,5-Trimethylbenzene	50.0	37.7		ug/L		75	69 - 130
Vinyl acetate	100	104		ug/L		104	26 - 160
Vinyl chloride	50.0	53.0		ug/L		106	59 - 136
Xylenes, Total	100	81.0		ug/L		81	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*86*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*92*		*80 - 120*

Lab Sample ID: 400-198156-3 MS
Matrix: Water
Analysis Batch: 518322

Client Sample ID: MW10-ROX-011221
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	159		ug/L		79	43 - 150
Acrolein	ND		500	511		ug/L		102	38 - 150
Acrylonitrile	ND		500	528		ug/L		106	62 - 149
Benzene	ND		50.0	43.6		ug/L		87	56 - 142
Bromobenzene	ND		50.0	30.5		ug/L		61	59 - 136
Bromochloromethane	ND		50.0	47.5		ug/L		95	64 - 140
Bromodichloromethane	ND		50.0	40.5		ug/L		81	59 - 143
Bromoform	ND		50.0	31.2		ug/L		62	50 - 140
Bromomethane	ND		50.0	58.1		ug/L		116	10 - 150
2-Butanone (MEK)	ND		200	182		ug/L		91	55 - 150
Carbon disulfide	ND		50.0	37.1		ug/L		74	48 - 150
Carbon tetrachloride	ND		50.0	38.4		ug/L		77	55 - 145
Chlorobenzene	ND		50.0	32.5		ug/L		65	64 - 130
Dibromochloromethane	ND		50.0	33.5		ug/L		67	56 - 143
Chloroethane	ND		50.0	50.2		ug/L		100	50 - 150
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150
Chloroform	ND		50.0	44.4		ug/L		89	60 - 141
1-Chlorohexane	ND	F1	50.0	26.6	F1	ug/L		53	56 - 136
Chloromethane	ND		50.0	53.0		ug/L		106	49 - 148
cis-1,2-Dichloroethene	ND		50.0	45.0		ug/L		90	59 - 143
cis-1,3-Dichloropropene	ND		50.0	37.9		ug/L		76	57 - 140
1,2-Dichlorobenzene	ND		50.0	29.9		ug/L		60	52 - 137
1,3-Dichlorobenzene	ND	F1	50.0	26.1	F1	ug/L		52	54 - 135
1,4-Dichlorobenzene	ND	F1	50.0	26.2	F1	ug/L		52	53 - 135
Dichlorodifluoromethane	ND		50.0	55.7		ug/L		111	16 - 150
1,1-Dichloroethane	ND		50.0	46.5		ug/L		93	61 - 144
1,2-Dichloroethane	ND		50.0	48.3		ug/L		97	60 - 141
1,1-Dichloroethene	ND		50.0	42.0		ug/L		84	54 - 147
1,2-Dichloropropane	ND		50.0	45.5		ug/L		91	66 - 137
1,3-Dichloropropane	ND		50.0	40.8		ug/L		82	66 - 133
2,2-Dichloropropane	ND		50.0	37.5		ug/L		75	42 - 144

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198156-3 MS
Matrix: Water
Analysis Batch: 518322

Client Sample ID: MW10-ROX-011221
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	ND		50.0	39.3		ug/L		79	65 - 136
Ethylbenzene	ND	F1	50.0	27.7	F1	ug/L		55	58 - 131
Ethyl methacrylate	ND		50.0	39.6		ug/L		79	64 - 130
Hexachlorobutadiene	ND		50.0	15.5		ug/L		31	31 - 149
2-Hexanone	ND		200	164		ug/L		82	65 - 140
Isopropylbenzene	ND	F1	50.0	24.0	F1	ug/L		48	56 - 133
Methylene bromide	ND		50.0	45.9		ug/L		92	63 - 138
Methylene Chloride	ND		50.0	50.0		ug/L		100	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	208		ug/L		104	63 - 146
Methyl tert-butyl ether	ND		50.0	45.7		ug/L		91	59 - 137
m-Xylene & p-Xylene	ND	F1	50.0	26.3	F1	ug/L		53	57 - 130
Naphthalene	ND		50.0	30.4		ug/L		61	25 - 150
n-Butylbenzene	ND	F1	50.0	18.1	F1	ug/L		36	41 - 142
N-Propylbenzene	ND	F1	50.0	21.1	F1	ug/L		42	51 - 138
o-Chlorotoluene	ND	F1	50.0	25.6	F1	ug/L		51	53 - 134
o-Xylene	ND	F1	50.0	28.7	F1	ug/L		57	61 - 130
p-Chlorotoluene	ND	F1	50.0	24.8	F1	ug/L		50	54 - 133
p-Isopropyltoluene	ND	F1	50.0	19.1	F1	ug/L		38	48 - 139
sec-Butylbenzene	ND	F1	50.0	19.6	F1	ug/L		39	50 - 138
Styrene	ND		50.0	29.5		ug/L		59	58 - 131
tert-Butylbenzene	ND	F1	50.0	21.7	F1	ug/L		43	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	34.0		ug/L		68	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	42.8		ug/L		86	66 - 135
Tetrachloroethene	ND		50.0	28.0		ug/L		56	52 - 133
Toluene	ND		50.0	32.3		ug/L		65	65 - 130
trans-1,2-Dichloroethene	ND		50.0	41.9		ug/L		84	61 - 143
trans-1,3-Dichloropropene	ND		50.0	32.6		ug/L		65	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	26.6		ug/L		53	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	23.8		ug/L		48	39 - 148
1,1,1-Trichloroethane	ND		50.0	39.7		ug/L		79	57 - 142
1,1,2-Trichloroethane	ND		50.0	41.0		ug/L		82	66 - 131
Trichloroethene	ND		50.0	38.2		ug/L		76	64 - 136
Trichlorofluoromethane	ND		50.0	48.6		ug/L		97	54 - 150
1,2,3-Trichloropropane	ND		50.0	43.5		ug/L		87	65 - 133
1,2,4-Trimethylbenzene	ND	F1	50.0	23.0	F1	ug/L		46	50 - 139
1,3,5-Trimethylbenzene	ND	F1	50.0	22.9	F1	ug/L		46	52 - 135
Vinyl acetate	ND		100	94.0		ug/L		94	26 - 150
Vinyl chloride	ND		50.0	51.2		ug/L		102	46 - 150
Xylenes, Total	ND	F1	100	55.0	F1	ug/L		55	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*92*		*80 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198156-3 MSD
Matrix: Water
Analysis Batch: 518322

Client Sample ID: MW10-ROX-011221
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		200	155		ug/L		77	43 - 150	2	30
Acrolein	ND		500	510		ug/L		102	38 - 150	0	31
Acrylonitrile	ND		500	512		ug/L		102	62 - 149	3	30
Benzene	ND		50.0	43.4		ug/L		87	56 - 142	1	30
Bromobenzene	ND		50.0	31.2		ug/L		62	59 - 136	2	30
Bromochloromethane	ND		50.0	47.0		ug/L		94	64 - 140	1	30
Bromodichloromethane	ND		50.0	39.7		ug/L		79	59 - 143	2	30
Bromoform	ND		50.0	31.9		ug/L		64	50 - 140	2	30
Bromomethane	ND		50.0	61.0		ug/L		122	10 - 150	5	50
2-Butanone (MEK)	ND		200	174		ug/L		87	55 - 150	5	30
Carbon disulfide	ND		50.0	37.8		ug/L		76	48 - 150	2	30
Carbon tetrachloride	ND		50.0	39.5		ug/L		79	55 - 145	3	30
Chlorobenzene	ND		50.0	33.3		ug/L		67	64 - 130	2	30
Dibromochloromethane	ND		50.0	33.8		ug/L		68	56 - 143	1	30
Chloroethane	ND		50.0	49.8		ug/L		100	50 - 150	1	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	44.3		ug/L		89	60 - 141	0	30
1-Chlorohexane	ND	F1	50.0	30.1		ug/L		60	56 - 136	12	30
Chloromethane	ND		50.0	53.2		ug/L		106	49 - 148	0	31
cis-1,2-Dichloroethene	ND		50.0	45.3		ug/L		91	59 - 143	1	30
cis-1,3-Dichloropropene	ND		50.0	37.9		ug/L		76	57 - 140	0	30
1,2-Dichlorobenzene	ND		50.0	30.6		ug/L		61	52 - 137	2	30
1,3-Dichlorobenzene	ND	F1	50.0	27.4		ug/L		55	54 - 135	5	30
1,4-Dichlorobenzene	ND	F1	50.0	27.4		ug/L		55	53 - 135	5	30
Dichlorodifluoromethane	ND		50.0	56.6		ug/L		113	16 - 150	1	31
1,1-Dichloroethane	ND		50.0	47.5		ug/L		95	61 - 144	2	30
1,2-Dichloroethane	ND		50.0	46.8		ug/L		94	60 - 141	3	30
1,1-Dichloroethene	ND		50.0	42.7		ug/L		85	54 - 147	2	30
1,2-Dichloropropane	ND		50.0	45.3		ug/L		91	66 - 137	0	30
1,3-Dichloropropane	ND		50.0	40.4		ug/L		81	66 - 133	1	30
2,2-Dichloropropane	ND		50.0	38.6		ug/L		77	42 - 144	3	31
1,1-Dichloropropene	ND		50.0	40.4		ug/L		81	65 - 136	3	30
Ethylbenzene	ND	F1	50.0	29.1		ug/L		58	58 - 131	5	30
Ethyl methacrylate	ND		50.0	38.7		ug/L		77	64 - 130	2	30
Hexachlorobutadiene	ND		50.0	19.6		ug/L		39	31 - 149	23	36
2-Hexanone	ND		200	157		ug/L		79	65 - 140	4	30
Isopropylbenzene	ND	F1	50.0	26.0	F1	ug/L		52	56 - 133	8	30
Methylene bromide	ND		50.0	44.1		ug/L		88	63 - 138	4	30
Methylene Chloride	ND		50.0	50.1		ug/L		100	60 - 146	0	32
4-Methyl-2-pentanone (MIBK)	ND		200	197		ug/L		99	63 - 146	5	30
Methyl tert-butyl ether	ND		50.0	45.4		ug/L		91	59 - 137	1	30
m-Xylene & p-Xylene	ND	F1	50.0	27.5	F1	ug/L		55	57 - 130	5	30
Naphthalene	ND		50.0	32.9		ug/L		66	25 - 150	8	30
n-Butylbenzene	ND	F1	50.0	20.5		ug/L		41	41 - 142	13	31
N-Propylbenzene	ND	F1	50.0	23.5	F1	ug/L		47	51 - 138	10	30
o-Chlorotoluene	ND	F1	50.0	26.0	F1	ug/L		52	53 - 134	2	30
o-Xylene	ND	F1	50.0	30.0	F1	ug/L		60	61 - 130	4	30
p-Chlorotoluene	ND	F1	50.0	25.5	F1	ug/L		51	54 - 133	3	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198156-3 MSD
Matrix: Water
Analysis Batch: 518322

Client Sample ID: MW10-ROX-011221
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p-Isopropyltoluene	ND	F1	50.0	21.6	F1	ug/L		43	48 - 139	12	30
sec-Butylbenzene	ND	F1	50.0	22.2	F1	ug/L		44	50 - 138	12	30
Styrene	ND		50.0	30.7		ug/L		61	58 - 131	4	30
tert-Butylbenzene	ND	F1	50.0	23.3	F1	ug/L		47	54 - 146	7	30
1,1,1,2-Tetrachloroethane	ND		50.0	34.5		ug/L		69	59 - 137	2	30
1,1,2,2-Tetrachloroethane	ND		50.0	41.7		ug/L		83	66 - 135	3	30
Tetrachloroethene	ND		50.0	29.9		ug/L		60	52 - 133	6	30
Toluene	ND		50.0	33.1		ug/L		66	65 - 130	2	30
trans-1,2-Dichloroethene	ND		50.0	42.3		ug/L		85	61 - 143	1	30
trans-1,3-Dichloropropene	ND		50.0	32.7		ug/L		65	53 - 133	0	30
1,2,3-Trichlorobenzene	ND		50.0	29.4		ug/L		59	43 - 145	10	30
1,2,4-Trichlorobenzene	ND		50.0	26.0		ug/L		52	39 - 148	9	30
1,1,1-Trichloroethane	ND		50.0	40.7		ug/L		81	57 - 142	3	30
1,1,2-Trichloroethane	ND		50.0	40.2		ug/L		80	66 - 131	2	30
Trichloroethene	ND		50.0	39.0		ug/L		78	64 - 136	2	30
Trichlorofluoromethane	ND		50.0	49.6		ug/L		99	54 - 150	2	30
1,2,3-Trichloropropane	ND		50.0	41.9		ug/L		84	65 - 133	4	30
1,2,4-Trimethylbenzene	ND	F1	50.0	24.6	F1	ug/L		49	50 - 139	7	30
1,3,5-Trimethylbenzene	ND	F1	50.0	24.6	F1	ug/L		49	52 - 135	7	30
Vinyl acetate	ND		100	93.7		ug/L		94	26 - 150	0	33
Vinyl chloride	ND		50.0	52.9		ug/L		106	46 - 150	3	30
Xylenes, Total	ND	F1	100	57.5	F1	ug/L		57	59 - 130	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*92*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-517254/1-A
Matrix: Water
Analysis Batch: 517448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/13/21 08:31	01/14/21 14:14	1
Benzenethiol	ND		10	1.7	ug/L		01/13/21 08:31	01/14/21 14:14	1
Benzoic acid	ND		30	7.3	ug/L		01/13/21 08:31	01/14/21 14:14	1
Benzyl alcohol	ND		10	2.0	ug/L		01/13/21 08:31	01/14/21 14:14	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		01/13/21 08:31	01/14/21 14:14	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		01/13/21 08:31	01/14/21 14:14	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		01/13/21 08:31	01/14/21 14:14	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		01/13/21 08:31	01/14/21 14:14	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		01/13/21 08:31	01/14/21 14:14	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		01/13/21 08:31	01/14/21 14:14	1
4-Chloroaniline	ND		10	3.4	ug/L		01/13/21 08:31	01/14/21 14:14	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/13/21 08:31	01/14/21 14:14	1
2-Chloronaphthalene	ND		10	0.14	ug/L		01/13/21 08:31	01/14/21 14:14	1
2-Chlorophenol	ND		10	2.2	ug/L		01/13/21 08:31	01/14/21 14:14	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517254/1-A
Matrix: Water
Analysis Batch: 517448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/13/21 08:31	01/14/21 14:14	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/13/21 08:31	01/14/21 14:14	1
Dibenzofuran	ND		10	0.17	ug/L		01/13/21 08:31	01/14/21 14:14	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/13/21 08:31	01/14/21 14:14	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/13/21 08:31	01/14/21 14:14	1
Diethyl phthalate	ND		10	0.24	ug/L		01/13/21 08:31	01/14/21 14:14	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/13/21 08:31	01/14/21 14:14	1
Dimethyl phthalate	ND		10	0.17	ug/L		01/13/21 08:31	01/14/21 14:14	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/13/21 08:31	01/14/21 14:14	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		01/13/21 08:31	01/14/21 14:14	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/13/21 08:31	01/14/21 14:14	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/13/21 08:31	01/14/21 14:14	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/13/21 08:31	01/14/21 14:14	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		01/13/21 08:31	01/14/21 14:14	1
1,4-Dioxane	ND		10	1.0	ug/L		01/13/21 08:31	01/14/21 14:14	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/13/21 08:31	01/14/21 14:14	1
Hexachlorobenzene	ND		10	0.17	ug/L		01/13/21 08:31	01/14/21 14:14	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/13/21 08:31	01/14/21 14:14	1
Hexachloroethane	ND		10	4.2	ug/L		01/13/21 08:31	01/14/21 14:14	1
Indene	ND		10	1.0	ug/L		01/13/21 08:31	01/14/21 14:14	1
Isophorone	ND		10	0.14	ug/L		01/13/21 08:31	01/14/21 14:14	1
2-Methylphenol	ND		10	1.8	ug/L		01/13/21 08:31	01/14/21 14:14	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		01/13/21 08:31	01/14/21 14:14	1
2-Nitroaniline	ND		10	2.2	ug/L		01/13/21 08:31	01/14/21 14:14	1
3-Nitroaniline	ND		10	1.8	ug/L		01/13/21 08:31	01/14/21 14:14	1
4-Nitroaniline	ND		10	1.5	ug/L		01/13/21 08:31	01/14/21 14:14	1
Nitrobenzene	ND		10	0.13	ug/L		01/13/21 08:31	01/14/21 14:14	1
2-Nitrophenol	ND		10	5.2	ug/L		01/13/21 08:31	01/14/21 14:14	1
4-Nitrophenol	ND		10	2.1	ug/L		01/13/21 08:31	01/14/21 14:14	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/13/21 08:31	01/14/21 14:14	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/13/21 08:31	01/14/21 14:14	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		01/13/21 08:31	01/14/21 14:14	1
Pentachlorophenol	ND		20	1.4	ug/L		01/13/21 08:31	01/14/21 14:14	1
Phenol	ND		10	2.6	ug/L		01/13/21 08:31	01/14/21 14:14	1
Pyridine	ND		10	3.2	ug/L		01/13/21 08:31	01/14/21 14:14	1
Quinoline	ND		10	4.5	ug/L		01/13/21 08:31	01/14/21 14:14	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/13/21 08:31	01/14/21 14:14	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/13/21 08:31	01/14/21 14:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*88*		*46 - 124*	*01/13/21 08:31*	*01/14/21 14:14*	*1*
2-Fluorophenol	*39*		*13 - 113*	*01/13/21 08:31*	*01/14/21 14:14*	*1*
Nitrobenzene-d5	*77*		*36 - 126*	*01/13/21 08:31*	*01/14/21 14:14*	*1*
Phenol-d5	*71*		*17 - 127*	*01/13/21 08:31*	*01/14/21 14:14*	*1*
Terphenyl-d14	*71*		*44 - 149*	*01/13/21 08:31*	*01/14/21 14:14*	*1*
2,4,6-Tribromophenol	*70*		*26 - 150*	*01/13/21 08:31*	*01/14/21 14:14*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517254/2-A
Matrix: Water
Analysis Batch: 517448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	211	*+	ug/L		176	21 - 120
Benzoic acid	502	221		ug/L		44	10 - 144
Benzyl alcohol	120	109		ug/L		91	28 - 120
Bis(2-chloroethoxy)methane	120	98.1		ug/L		82	47 - 120
Bis(2-chloroethyl)ether	120	114		ug/L		95	44 - 120
bis (2-chloroisopropyl) ether	120	97.9		ug/L		82	33 - 121
Bis(2-ethylhexyl) phthalate	120	106		ug/L		88	52 - 147
4-Bromophenyl phenyl ether	120	107		ug/L		89	54 - 122
Butyl benzyl phthalate	120	113		ug/L		94	54 - 133
4-Chloroaniline	120	92.4		ug/L		77	26 - 120
4-Chloro-3-methylphenol	120	106		ug/L		88	48 - 131
2-Chloronaphthalene	120	111		ug/L		93	52 - 121
2-Chlorophenol	120	93.9		ug/L		78	40 - 120
4-Chlorophenyl phenyl ether	120	118		ug/L		98	56 - 125
Dibenz[a,h]acridine	120	119		ug/L		99	31 - 150
Dibenzofuran	120	111		ug/L		93	56 - 122
3,3'-Dichlorobenzidine	160	179		ug/L		112	36 - 132
2,4-Dichlorophenol	120	100		ug/L		84	49 - 120
Diethyl phthalate	120	112		ug/L		93	50 - 137
2,4-Dimethylphenol	120	100		ug/L		83	48 - 120
Dimethyl phthalate	120	114		ug/L		95	57 - 124
Di-n-butyl phthalate	120	116		ug/L		97	58 - 126
4,6-Dinitro-ortho-cresol	240	254		ug/L		106	23 - 148
2,4-Dinitrophenol	240	304		ug/L		127	10 - 150
2,4-Dinitrotoluene	120	126		ug/L		105	54 - 142
2,6-Dinitrotoluene	120	117		ug/L		98	55 - 130
Di-n-octyl phthalate	120	123		ug/L		102	57 - 138
1,4-Dioxane	120	76.2		ug/L		63	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	105		ug/L		87	45 - 124
Hexachlorobenzene	120	111		ug/L		92	52 - 129
Hexachlorocyclopentadiene	120	105		ug/L		87	10 - 134
Hexachloroethane	120	96.4		ug/L		80	20 - 120
Indene	120	109		ug/L		91	49 - 120
Isophorone	120	101		ug/L		84	48 - 120
2-Methylphenol	120	96.9		ug/L		81	46 - 124
3 & 4 Methylphenol	120	88.3		ug/L		74	45 - 120
2-Nitroaniline	120	118		ug/L		98	51 - 145
3-Nitroaniline	120	113		ug/L		94	37 - 127
4-Nitroaniline	120	119		ug/L		99	36 - 137
Nitrobenzene	120	98.6		ug/L		82	45 - 120
2-Nitrophenol	120	104		ug/L		86	40 - 124
4-Nitrophenol	240	264		ug/L		110	23 - 146
N-Nitrosodimethylamine	120	96.7		ug/L		81	29 - 137
N-Nitrosodi-n-propylamine	120	102		ug/L		85	45 - 120
N-Nitrosodiphenylamine	119	112		ug/L		94	54 - 120
Pentachlorophenol	240	272		ug/L		113	31 - 130
Phenol	120	96.2		ug/L		80	11 - 120
Pyridine	240	148		ug/L		62	16 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517254/2-A
Matrix: Water
Analysis Batch: 517448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Quinoline	120	133		ug/L		111	49 - 130
2,4,5-Trichlorophenol	120	116		ug/L		97	51 - 136
2,4,6-Trichlorophenol	120	121		ug/L		101	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*93*		*46 - 124*
2-Fluorophenol	*58*		*13 - 113*
Nitrobenzene-d5	*89*		*36 - 126*
Phenol-d5	*79*		*17 - 127*
Terphenyl-d14	*82*		*44 - 149*
2,4,6-Tribromophenol	*90*		*26 - 150*

Lab Sample ID: LCS 400-517254/3-A
Matrix: Water
Analysis Batch: 517448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	3.36	J *-	ug/L		3	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*100*		*46 - 124*
2-Fluorophenol	*36*		*13 - 113*
Nitrobenzene-d5	*83*		*36 - 126*
Phenol-d5	*70*		*17 - 127*
Terphenyl-d14	*85*		*44 - 149*
2,4,6-Tribromophenol	*54*		*26 - 150*

Lab Sample ID: LCSD 400-517254/4-A
Matrix: Water
Analysis Batch: 517448

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	58.5	*1	ug/L		49	10 - 120	178	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*103*		*46 - 124*
2-Fluorophenol	*37*		*13 - 113*
Nitrobenzene-d5	*84*		*36 - 126*
Phenol-d5	*66*		*17 - 127*
Terphenyl-d14	*90*		*44 - 149*
2,4,6-Tribromophenol	*69*		*26 - 150*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-517254/1-A
Matrix: Water
Analysis Batch: 517474

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		01/13/21 08:31	01/14/21 16:46	1
Acenaphthylene	ND		0.20	0.045	ug/L		01/13/21 08:31	01/14/21 16:46	1
Anthracene	ND		0.20	0.032	ug/L		01/13/21 08:31	01/14/21 16:46	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		01/13/21 08:31	01/14/21 16:46	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		01/13/21 08:31	01/14/21 16:46	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		01/13/21 08:31	01/14/21 16:46	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		01/13/21 08:31	01/14/21 16:46	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		01/13/21 08:31	01/14/21 16:46	1
Chrysene	ND		0.20	0.074	ug/L		01/13/21 08:31	01/14/21 16:46	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		01/13/21 08:31	01/14/21 16:46	1
Fluoranthene	ND		0.20	0.068	ug/L		01/13/21 08:31	01/14/21 16:46	1
Fluorene	ND		0.20	0.11	ug/L		01/13/21 08:31	01/14/21 16:46	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		01/13/21 08:31	01/14/21 16:46	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		01/13/21 08:31	01/14/21 16:46	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		01/13/21 08:31	01/14/21 16:46	1
Phenanthrene	ND		0.20	0.036	ug/L		01/13/21 08:31	01/14/21 16:46	1
Pyrene	ND		0.20	0.040	ug/L		01/13/21 08:31	01/14/21 16:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*15 - 122*	*01/13/21 08:31*	*01/14/21 16:46*	*1*
Nitrobenzene-d5	*64*		*19 - 130*	*01/13/21 08:31*	*01/14/21 16:46*	*1*
Terphenyl-d14	*76*		*33 - 138*	*01/13/21 08:31*	*01/14/21 16:46*	*1*

Lab Sample ID: LCS 400-517254/2-A
Matrix: Water
Analysis Batch: 517474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	116		ug/L		97	41 - 120
Acenaphthylene	120	119		ug/L		99	44 - 120
Anthracene	120	123		ug/L		103	49 - 120
Benzo[a]anthracene	120	115		ug/L		95	61 - 135
Benzo[a]pyrene	120	119		ug/L		99	52 - 120
Benzo[b]fluoranthene	120	118		ug/L		98	53 - 134
Benzo[g,h,i]perylene	120	65.6		ug/L		55	47 - 133
Benzo[k]fluoranthene	120	112		ug/L		93	57 - 134
Chrysene	120	114		ug/L		95	55 - 122
Dibenz(a,h)anthracene	120	139		ug/L		116	48 - 146
Fluoranthene	120	117		ug/L		97	54 - 128
Fluorene	120	122		ug/L		102	45 - 125
Indeno[1,2,3-cd]pyrene	120	130		ug/L		108	43 - 142
1-Methylnaphthalene	120	91.6		ug/L		76	41 - 120
2-Methylnaphthalene	120	95.3		ug/L		79	32 - 124
Phenanthrene	120	121		ug/L		101	48 - 120
Pyrene	120	112		ug/L		93	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*15 - 122*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-517254/2-A
Matrix: Water
Analysis Batch: 517474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517254

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	71		19 - 130
Terphenyl-d14	94		33 - 138

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-517923/1-A
Matrix: Water
Analysis Batch: 517997

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517923

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/20/21 09:13	01/20/21 15:14	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/20/21 09:13	01/20/21 15:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		51 - 149	01/20/21 09:13	01/20/21 15:14	1

Lab Sample ID: LCS 400-517923/2-A
Matrix: Water
Analysis Batch: 517997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517923

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.127		ug/L		127	60 - 140
1,2-Dibromoethane	0.101	0.117		ug/L		116	60 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	97		51 - 149

Lab Sample ID: LCSD 400-517923/3-A
Matrix: Water
Analysis Batch: 517997

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517923

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.101	0.120		ug/L		119	60 - 140	6	30
1,2-Dibromoethane	0.101	0.113		ug/L		112	60 - 140	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	93		51 - 149

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))

☐ Other Lab Vendor # 1364589 (TestAmerica))

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL

☐ CHEMICALS ☐ CONSULTANT ☐ LUBES

☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES

Print Bill To Contact Name: Bob Mooshegian

PO #: 60648474 – 3.2.1F

PlaNet Site or Project ID: 25278

GSAP Project ID: USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES DATE: 1-12-21

PAGE: 1 of 2

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60648474 – 3.2.1F

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PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington

SAMPLER NAME(S) (Print): MD'Angelo JMayer

LAB USE ONLY

400-198156 COC

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com

TURNAROUND TIME (CALENDAR DAYS):

☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) _EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
* Please include "J" values on Reports
* Please provide sample receipt upon login

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
NON-UNIT COST
60648474 – 3.2.1F

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL
	TB-ROX-011221-8260-A	1/12/21	0000	WATER	2					2	X			
	TB-ROX-011221-8011-A		0000		2					2			X	
	MW10-ROX-011221		0945		6			2		8	X	X	X	X
	MW9-ROX-011221		1100		6			2		8	X	X	X	X
	MW1-ROX-011221		1220		6			2		8	X	X	X	X

MD'Angelo 1/12/21

	Received by (Signature)	Date	Time
Relinquished by (Signature): MD'Angelo	Fedex: 9345 4056 8467 / 9345 4056 8478	1-12-21	1600
Relinquished by (Signature):	Received by (Signature):	Date:	Time:
Relinquished by (Signature):	Received by (Signature): 2.3°C, 2.0°C IR-9	1-13-21	0920

CUSTODY SEALS – 1450589 / 1450588 1450591 / 1450590

Version 14Dec15

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1/27/2021

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
☐ Other Lab Vendor # 1364589 (TestAmerica))

Please Check Appropriate Box:

☐ SGW FDG	☐ PIPELINE	☐ RETAIL	
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES	
☐ TRANSPORTATION	☑ OTHER _ENV. SERVICES		

Print Bill To Contact Name:	PlaNet Site or Project ID
Bob Mooshegian	25278
PO #	GSAP Project ID
60648474 – 3.2.1F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES DATE: 1-12-21

PAGE: 2 of 2

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60648474 – 3.2.1F

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Elizabeth Kunkel, AECOM, St. Louis, MO; Melissa Remiger, Bob Billman, Wendy Pennington

PHONE NO: 314-802-1171; 314-449-2913; 314-802-1122

E-MAIL: elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; bob.billman@aecom.com; wendy.pennington@aecom.com

AECOM Other ID:

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington

SAMPLER NAME(S) (Print): BHowell AOliver

LAB USE ONLY

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
* Please include "J" values on Reports
* Please provide sample receipt upon login

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
NON-UNIT COST
60648474 – 3.2.1F

FIELD NOTES:
TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL	Container PID Readings or Laboratory Notes
	TB-ROX-011221-8260-B	1/12/21	0000	WATER	2					2	X				
	TB-ROX-011221-8011-B		0000		2					2			X		
	P56-ROX-011221		0940		6			2		8	X	X	X	X	
	P74-ROX-011221		1055		6			2		8	X	X	X	X	
	T12-ROX-011221		1155		6			2		8	X	X	X	X	
	T12-ROX-011221-DUP		1155		6			2		8	X	X	X	X	
								AO							

Relinquished by (Signature): Ann Olin	Received by (Signature): Fedex: SEE pg 1	Date: 1-12-21	Time: 1600
Relinquished by (Signature):	Received by (Signature):	Date:	Time:
Relinquished by (Signature):	Received by (Signature):	Date: 1-13-21	Time: 0920

CUSTODY SEALS – SEE pg 1

Version 14Dec15

1/27/2021

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Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-198156-1

Login Number: 198156
List Number: 1
Creator: Conrady, Hank W

List Source: Eurofins TestAmerica, Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0°C IR-9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198156-1

Laboratory: Eurofins TestAmerica, Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-21
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-02-21
California	State	2510	06-30-21
Florida	NELAP	E81010	06-30-21
Georgia	State	E81010(FL)	06-30-21
Illinois	NELAP	200041	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-21
Kentucky (UST)	State	53	06-30-21
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-21
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-21
Michigan	State	9912	06-30-21
New Jersey	NELAP	FL006	06-30-21
New York	NELAP	12115	04-01-21
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810-186	08-31-21
Pennsylvania	NELAP	68-00467	01-31-21
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026002	06-30-21
Tennessee	State	TN02907	06-30-21
Texas	NELAP	T104704286	09-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-21
Washington	State	C915	05-15-21
West Virginia DEP	State	136	06-30-21

Roxana Groundwater Quarterly – 1st Quarter 2021 Data Review

Laboratory SDG: 400-198213-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 2/11/2021

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2017

Sample Identification	Sample Identification
TB-ROX-011321-8260-A	TB-ROX-011321-8011-A
MW11-ROX-011321	MW22-ROX-011321
MW16-ROX-011321	ROST4PZG-ROX-011321
TB-ROX-011321-8260-B	TB-ROX-011321-8011-B
P59-ROX-011321	P57-ROX-011321-EB
P57-ROX-011321	P57-ROX-011321-Dup
P93D-ROX-011321	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated several VOCs and bis(2-ethylhexyl) phthalate were re-analyzed/re-extracted outside holding time criteria. Several PAHs were detected in the method blank. VOC LCS and SVOC LCS/LCSD recoveries and/or SVOC LCS/LCSD RPDs for several analytes were outside evaluation criteria. SVOC surrogate 2,4,6-tribromophenol or 2-fluorobiphenyl recoveries were outside criteria in several samples. In field duplicate pair P57-ROX-011321/P57-ROX-011321-Dup, results for benzene were qualified due to field duplicate RPD above evaluation criteria, and results for phenol were qualified because the difference in results was greater than two times (2X) the reporting level; therefore, results were qualified as estimated (**J/J**). VOC samples MW22-ROX-011321 and P59-ROX-011321 were diluted to bring target analytes into calibration range of the instrument. The continuing calibration verification for pyridine was outside acceptance criteria, biased low. These issues are addressed further in the appropriate sections of this data review.

Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.

The cooler receipt form did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

No, n-butylbenzene was re-analyzed 1 day outside analysis holding time criteria (14 days) in field duplicate pair P57-ROX-011321/P57-ROX-011321-Dup due to LCS

recovery above evaluation criteria for this compound. The compound naphthalene was re-analyzed 1 day outside analysis holding time in sample P93D-ROX-011321 due to suspected carryover. Samples P57-ROX-011321-Dup and P93D-ROX-011321 were re-extracted 5 days outside extraction holding time criteria (7 days) and then re-analyzed for confirmation of bis(2-ethylhexyl) phthalate. Professional judgement was used to qualify as estimated, however, not reject the out of holding time data. Holding time exceedances were not greater than two times (2X) criteria; data requiring qualification is summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
P57-ROX-011321 – RA	VOCs	n-Butylbenzene	**J**
P57-ROX-011321-Dup – RA	VOCs	n-Butylbenzene	**J**
P57-ROX-011321-Dup – RERA	SVOCs	bis(2-Ethylhexyl) phthalate	**UJ**
P93D-ROX-011321 – RA	VOCs	Naphthalene	**UJ**
P93D-ROX-011321 – RERA	SVOCs	bis(2-Ethylhexyl) phthalate	**UJ**

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration /Amount
MB 400-517731/1-A	PAHs	Anthracene	0.0385 µg/L
MB 400-517731/1-A	PAHs	Benzo[a]anthracene	0.150 µg/L
MB 400-517731/1-A	PAHs	Benzo[a]pyrene	0.110 µg/L
MB 400-517731/1-A	PAHs	Benzo[b]fluoranthene	0.0610 µg/L
MB 400-517731/1-A	PAHs	Fluoranthene	0.0838 µg/L
MB 400-517731/1-A	PAHs	Pyrene	0.0685 µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW11-ROX-011321	PAHs	Anthracene	-	**U**
MW11-ROX-011321	PAHs	Benzo[a]anthracene	-	**U**
MW11-ROX-011321	PAHs	Benzo[a]pyrene	-	**U**
MW11-ROX-011321	PAHs	Benzo[b]fluoranthene	-	**U**
MW11-ROX-011321	PAHs	Fluoranthene	-	**U**
MW11-ROX-011321	PAHs	Pyrene	-	**U**
MW22-ROX-011321	PAHs	Benzo[a]anthracene	-	**U**
MW22-ROX-011321	PAHs	Benzo[a]pyrene	-	**U**
MW22-ROX-011321	PAHs	Benzo[b]fluoranthene	-	**U**
MW16-ROX-011321	PAHs	Benzo[a]anthracene	-	**U**
ROST4PZG-ROX-011321	PAHs	Benzo[a]anthracene	-	**U**
ROST4PZG-ROX-011321	PAHs	Benzo[b]fluoranthene	-	**U**

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
P59-ROX-011321	PAHs	Benzo[a]anthracene	-	U
P59-ROX-011321	PAHs	Benzo[a]pyrene	-	U
P59-ROX-011321	PAHs	Benzo[b]fluoranthene	-	U
P59-ROX-011321	PAHs	Fluoranthene	-	U

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/ RPD Criteria
LCS 400-517673/1002	VOCs	n-Butylbenzene	**133**	NA	67-130
LCS 400-518565/1002	VOCs	n-Butylbenzene	**136**	NA	67-130
LCS 400-518565/1002	VOCs	p-Isopropyltoluene	**131**	NA	65-130
LCS/LCSD 400-517731/4-A/5-A	SVOCs	Benzenethiol	**0.8/4**	**128**	10-120/30
LCS/LCSD 400-517731/2-A/3-A	SVOCs	Benzoic acid	28/53	**61**	10-144/30
LCS/LCSD 400-517731/2-A/3-A	SVOCs	bis(2-Chloroethyl) ether	54/77	**35**	44-120/30
LCS/LCSD 400-517731/2-A/3-A	SVOCs	Quinoline	59/**40**	**40**	49-130/30

Analytical data that required qualification based on LCS/LCSD data are included in the table below. Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with RPD alone outside evaluation criteria did not require qualification. Professional judgment was used to qualify, however not reject, data associated with benzenethiol; benzenethiol has been identified as a poor performing analyte under Method 8270.

Sample ID	Parameter	Analyte	Qualification
MW11-ROX-011321	SVOCs	Benzenethiol	UJ
MW11-ROX-011321	SVOCs	Quinoline	UJ
MW22-ROX-011321	SVOCs	Benzenethiol	UJ
MW22-ROX-011321	SVOCs	Quinoline	UJ
MW16-ROX-011321	SVOCs	Benzenethiol	UJ
MW16-ROX-011321	SVOCs	Quinoline	UJ
ROST4PZG-ROX-011321	SVOCs	Benzenethiol	UJ
ROST4PZG-ROX-011321	SVOCs	Quinoline	UJ
P59-ROX-011321	SVOCs	Benzenethiol	UJ
P59-ROX-011321	SVOCs	Quinoline	UJ

Sample ID	Parameter	Analyte	Qualification
P57-ROX-011321	VOCs	p-Isopropyltoluene	**J**
P57-ROX-011321	SVOCs	Benzenethiol	**UJ**
P57-ROX-011321	SVOCs	Quinoline	**UJ**
P57-ROX-011321-Dup	VOCs	p-Isopropyltoluene	**J**
P57-ROX-011321-Dup	SVOCs	Benzenethiol	**UJ**
P57-ROX-011321-Dup	SVOCs	Quinoline	**UJ**
P93D-ROX-011321	SVOCs	Benzenethiol	**UJ**
P93D-ROX-011321	SVOCs	Quinoline	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P57-ROX-011321-Dup – RERA	SVOCs	2,4,6-Tribromophenol	**189**	26-150
P93D-ROX-011321	SVOCs	2-Fluorobiphenyl	**37**	46-124
LCS 400-517731/4-A	SVOCs	2,4,6-Tribromophenol	**22**	26-150

Qualifications due to surrogate recoveries were not required if only one of three acid or base/neutral SVOC surrogate recoveries were outside evaluation criteria in the associated samples. Laboratory control samples are quality control samples and do not require qualification. No qualification of data was required.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

No

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
P57-ROX-011321	P57-ROX-011321-Dup

Were field duplicates within evaluation criteria?

No

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
P57-ROX-011321	P57-ROX-011321-Dup	VOCs	Benzene	**84**	**J/J**
P57-ROX-011321	P57-ROX-011321-Dup	SVOCs	Phenol	**> 2X RL**	**J/J**

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; analytes were detected in samples that were diluted.

12.0 Additional Qualifications

Were additional qualifications applied?

Yes, the continuing calibration verification for pyridine was outside acceptance criteria, biased low; pyridine is qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW11-ROX-011321	SVOCs	Pyridine	**UJ**
MW22-ROX-011321	SVOCs	Pyridine	**UJ**
MW16-ROX-011321	SVOCs	Pyridine	**UJ**
ROST4PZG-ROX-011321	SVOCs	Pyridine	**UJ**
P59-ROX-011321	SVOCs	Pyridine	**UJ**
P57-ROX-011321	SVOCs	Pyridine	**UJ**
P57-ROX-011321-Dup	SVOCs	Pyridine	**UJ**

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1.0 VALIDATION OF DBCP AND EDB DATA – SDG 400-198213-1

This section describes the validation for seven investigative groundwater samples, one field duplicate sample, one equipment blank, and two trip blanks that were prepared and analyzed for 1,2-dibromo-3-chloropropane (DBCP) and 1,2-dibromoethane (EDB) by USEPA SW-846 Method 8011. The samples were analyzed by TestAmerica Laboratories, Inc. of Pensacola, Florida, and submitted as part of the sample delivery group (SDG) 400-198213-1. The samples included as part of this validation are listed below.

Sample Identification	Sample Identification
TB-ROX-011321-8011-A	MW11-ROX-011321
MW22-ROX-011321	MW16-ROX-011321
ROST4PZG-ROX-011321	TB-ROX-011321-8011-B
P59-ROX-011321	P57-ROX-011321-EB
P57-ROX-011321	P57-ROX-011321-DUP
P93D-ROX-011321	--

Evaluation of the analytical data followed procedures outlined in the USEPA Contract Laboratory National Functional Guidelines for Superfund Organic Methods Data Review (EPA 2017).

Criteria evaluated included the following method performance criteria:

- Data package completeness
- Laboratory case narrative/cooler receipt form
- Holding times and sample preservation
- Initial calibration (ICAL)
- Calibration verification (CV)
- Blank samples
- Laboratory control spike (LCS) samples
- Surrogate spike recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) samples
- Internal standards
- Target compound identification and quantification
- Overall data assessment

1.1 Data Package Completeness

The data package was reviewed to make certain it contained the data contractually required in the deliverable. This included checking the data package for the results of each analyte requested for each field sample submitted in the analytical batch, along with requested QC documentation for the respective methods.

1.2 Laboratory Case Narrative/Cooler Receipt Form

The laboratory case narrative indicated CCV recoveries for 1,2-dibromo-3-chloropropane and 1,2-dibromoethane were outside evaluation criteria. This issue is discussed further in section 1.5 of this validation report.

No issues were indicated in the cooler receipt form.

1.3 Holding Times and Sample Preservation

Review of the sample collection and analysis dates involved comparing the sample chain-of-custody, the summary forms, the raw data forms, and the chromatograms for accuracy, consistency, and holding time compliance. The samples were received in good condition and were received and maintained at temperatures of ≤ 6ºC. In addition, the samples were analyzed within 14 days of collection. No qualifications to the data were required based on holding times and sample preservation.

1.4 Initial Calibration

An ICAL was established to assess whether the instrument was capable of producing acceptable qualitative and quantitative data for EDB/DBCP analyses. Validated samples included in SDG 400-198213-1 were analyzed using instrument Yeti. The ICAL for instrument Yeti was established on 1/5/2021. At least five standard concentrations were used to establish the ICAL curve as required by Method 8011.

Review of the ICAL summary forms indicated percent relative standard deviations (%RSDs) were ≤ 15% for target analytes or were determined using least square linear regression and correlation coefficients (r) were greater than 0.990. A recalculation of the %RSDs was performed from the raw data and no errors in calculation were noted; therefore, no qualification of data was required.

Review of the sample chromatograms indicated that an initial calibration verification (ICV) was performed following the initial calibration. Review of ICV summary forms indicated percent difference (%D) ≤ 30% for target analytes were within evaluation criteria. No qualification of data was required.

Recalculation of the percent recoveries was completed, and no errors in calculation were noted.

1.5 Calibration Verification

Review of the sample chromatograms indicated that all CVs were performed before the start of sample analysis, every ten sample injections, and at the end of sample analysis. %Ds met the evaluation criteria of ≤ 15% for target analytes with the exceptions summarized in the table below.

CV (Date/Time)	Analyte	%D
400-517997/2 / 01/20/2021 14:17	1,2-Dibromomethane	**17.2**
400-517997/2 / 01/20/2021 14:17	1,2-Dibromo-3-chloropropane	**25.9**
400-517997/13 / 01/20/2021 18:13	1,2-Dibromo-3-chloropropane	**21.4**
400-517997/24 / 01/20/2021 21:51	1,2-Dibromo-3-chloropropane	**23.1**
400-517997/29 / 01/20/2021 23:30	1,2-Dibromo-3-chloropropane	**25.1**
400-518231/2 / 01/22/2021 14:15	1,2-Dibromo-3-chloropropane	**19.0**
400-518231/13 / 01/22/2021 18:05	1,2-Dibromo-3-chloropropane	**24.1**

CV (Date/Time)	Analyte	%D
400-518231/24 / 01/22/2021 21:41	1,2-Dibromo-3-chloropropane	**21.2**

The results for the validated samples associated with an increase in response factor and calculated as positive %D, indicating a potential high bias, were non-detect and were not qualified. No qualification of data was required.

Recalculations of the %Ds for target compounds were completed for each CV, and no errors in calculation were noted; therefore, no qualifications of data were required.

1.6 Blank Samples

The purpose of the method blank samples is to evaluate the existence and magnitude of contamination problems emanating from laboratory activities. Method blank samples were analyzed with each analytical batch as required by USEPA SW-846 Method 8011. Also, trip blanks were analyzed to evaluate the existence and magnitude of contamination problems emanating from sample shipment to the laboratory. Equipment blank samples were used to evaluate the efficiency of the decontamination of sampling equipment. Target compounds were reported as non-detect. No qualification of data was required.

1.7 Laboratory Control Spike (LCS) Samples

Laboratory control samples were analyzed with each analytical batch to assess the accuracy of the analytical process. LCS data were within evaluation criteria. No qualification od data was required.

Approximately 10% of spiking compound recoveries for the LCS were recalculated and verified using the LCS summary forms, and no calculation or transcription errors were noted.

1.8 Surrogate Spike Recoveries

Surrogate compounds were used to evaluate the overall laboratory sample preparation efficiency on a per sample basis. Surrogate recoveries were within the method acceptance criteria for the validated samples. No qualification of data was required.

Approximately 10% of the recoveries were recalculated and no calculation or transcription errors were noted.

1.9 Matrix Spike/Matrix Spike Duplicate Samples

MS/MSD samples are analyzed to assess potential matrix effects. The validated samples in this SDG were not chosen

1.10 Target Compound Identification and Quantification

For validation of the compound identification, chromatograms were reviewed to verify the major peaks were identified, and the relative retention time was no greater than 0.06 minutes different from the associated CV retention times. Approximately 10% of the detected target analytes were verified. No anomalies were noted with the identification of the target compounds in the samples.

For the validation of compound quantitation, the matrix spike results were recalculated from the raw data since all target analytes were non-detect, and no calculation errors were noted. Additionally, the reporting limits (RLs) were verified to determine if RLs were adjusted for dilutions. No qualification of the data was required and review of the data indicated the correct RLs were reported.

1.11 Overall Data Assessment

Based on the criteria outlined, it is recommended that the results reported for these analyses are accepted for their intended use. Acceptable levels of accuracy and precision, based on LCS and surrogate data were achieved for this SDG.

1.0 VALIDATION OF VOC DATA – SDG 400-198213-1

This section describes the validation for seven investigative groundwater samples, one field duplicate, one equipment blank, and two trip blanks which were prepared by USEPA SW-846 Method 5030B and analyzed for Volatile Organic Compounds (VOCs) by USEPA SW-846 Method 8260B. The samples were analyzed by TestAmerica Laboratories, Inc. of Pensacola, Florida, and submitted as part of the sample delivery group (SDG) 400-198213-1. The samples included as part of this validation are listed below.

Sample Identification	Sample Identification
TB-ROX-010821-8260-A	MW11-ROX-011321
MW22-ROX-011321	MW16-ROX-011321
ROST4PZG-ROX-011321	TB-ROX-011321-8260-B
P59-ROX-011321	P57-ROX-011321-EB
P57-ROX-011321	P57-ROX-011321-Dup
P93D-ROX-011321	--

Evaluation of the analytical data followed procedures outlined in the USEPA Contract Laboratory National Functional Guidelines for Superfund Organic Methods Data Review (EPA 2017).

Criteria evaluated included the following method performance criteria:

- Data package completeness
- Laboratory case narrative/cooler receipt form
- Holding times and sample preservation
- GC/MS instrument performance
- Initial calibration (ICAL)
- Calibration verification (CV)
- Blank samples
- Laboratory control spike (LCS) samples
- Surrogate spike recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) samples
- Internal standards
- Target compound identification and quantification
- Overall data assessment

1.1 Data Package Completeness

The data package was reviewed to make certain that it contained the data contractually required in the deliverable. This included checking the data package for the results of each analyte requested for each field sample submitted in the analytical batch, along with requested QC documentation for the respective methods.

1.2 Laboratory Case Narrative/Cooler Receipt Form

The laboratory case narrative indicated several VOC LCS recoveries were outside evaluation criteria. The VOC compounds n-butylbenzene and naphthalene were re-analyzed outside of analysis holding time criteria in samples P57-ROX-011321/P57-ROX-011321-DUP and P93D-ROX-011321, respectively. VOC samples MW22-ROX-011321 and P59-ROX-011321 were diluted to bring target analytes within the calibration range of the instrument. Although not indicated in the laboratory case narrative, benzene results in field duplicate pair P57-ROX-011321/P57-ROX-011321-Dup due to field duplicate relative percent difference (RDP); please see the Data Review for this SDG for further discussion.

Additionally, the laboratory case narrative indicated three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.

The cooler receipt form did not indicate any issues.

1.3 Holding Times and Sample Preservation

Review of the sample collection and analysis dates involved comparing the sample chain-of-custody, the summary forms, the raw data forms, and the chromatograms for accuracy, consistency, and holding time compliance. The samples were in good condition and were received and maintained at temperatures of ≤ 6°C. In addition, the samples were analyzed at a pH < 2.0. Additionally, samples were analyzed within analysis holding time (14 days) with the exceptions for re-analysis for the compounds n-butylbenzene and naphthalene in field duplicate pair P57-ROX-011321/P57-ROX-011321-DUP and sample P93D-ROX-011321, analyzed 1 day outside holding time criteria due to LCS recovery above evaluation criteria for n-butylbenzene and suspected naphthalene carryover, respectively. Professional judgement was used to qualify as estimated, however, not reject the out of holding time data. Data requiring qualification is summarized in the table below.

Sample ID	Parameter	Analyte	Qualification
P57-ROX-011321 – RA	VOCs	n-Butylbenzene	**J**
P57-ROX-011321-Dup – RA	VOCs	n-Butylbenzene	**J**
P93D-ROX-011321 – RA	VOCs	Naphthalene	**UJ**

1.4 GC/MS Instrument Performance

GC/MS instrument performance checks were performed to ensure mass resolution, identification, and instrument sensitivity. Criteria for evaluation of instrument performance included possible transcription/calculation errors, adherence to instrument tuning frequency requirements, mass assignments, and ion abundance criteria. Instrument performance check samples were evaluated against criteria established in USEPA SW-846 Method 8260.

Based on the summary forms, the ion abundance criteria were within evaluation criteria for all masses. No qualifications to the data were required based on instrument performance criteria.

1.5 Initial Calibration

An ICAL was established to assess whether the instrument was capable of producing acceptable qualitative and quantitative data for volatiles analyses. Validated samples included in SDG 400-198050-1 were analyzed using instruments CH_CONAN, Darwin and Einstein. The ICALs for instruments CH_CONAN, Darwin, and Einstein were established on

9/25/2020, 12/17/2020, and 05/20/2020. At least five standard concentrations were used to establish the ICAL curves as required by Method 8260B.

The ICAL response factors (RFs) were reviewed and were greater than 0.10 for chloromethane, 0.10 for 1,1-dichloroethane, 0.10 for bromoform, 0.30 for chlorobenzene, 0.30 for 1,1,2,2-tetrachloroethane, and greater than National Functional Guideline (NFG) specified minimum RRFs for all other target analytes. No qualification of data was required.

Review of the initial calibration summary forms indicated %RSDs were $\leq$ 30% for calibration check compounds (CCCs) [1,1-dichloroethene, toluene, chloroform, ethylbenzene, 1,2-dichloropropane, and vinyl chloride], and $\leq$ 15% for non-CCCs.

An initial calibration verification (ICV) was analyzed following the initial calibration. Percent difference (%D) values from comparing ICV RF to the average ICAL RFs were within criteria specified in NFG (2017).

A recalculation of the %RSDs and RFs for a compound associated with each internal standard was performed from the raw data and no errors in calculation were noted; therefore, no qualification of data was required.

1.6 Calibration Verification

Review of the sample chromatograms indicated that all calibration verifications (CVs) were performed before the start of sample analysis. Review of CV summary forms indicated RFs met the evaluation criteria of greater than 0.10 for chloromethane, 0.10 for 1,1-dichloroethane, 0.10 for bromoform, 0.30 for chlorobenzene, 0.30 for 1,1,2,2-tetrachloroethane, and greater than 2017 NFG specified minimum RRFs for all other target analytes. No qualification of data was required.

Percent difference (%D) values were within criteria specified in NFG (2017).

Recalculations of the RFs and %Ds for two target compounds were completed for each CV, and no errors in calculation were noted; therefore, no qualifications of data were required.

1.7 Blank Samples

The purpose of the method blank samples is to evaluate the existence and magnitude of contamination problems emanating from laboratory activities. Method blank samples were analyzed with each analytical batch as required by USEPA SW-846 Method 8260B. The purpose of trip blank samples is to evaluate the existence and magnitude of contamination emanating from field and transport activities. The purpose of equipment blank samples is to evaluate the existence and magnitude of contamination emanating from field activities. Target compounds were reported as non-detect. No qualification of data was required.

1.8 Laboratory Control Spike (LCS) Samples

Laboratory control samples were analyzed with each analytical batch to assess the accuracy of the analytical process. LCS data were within evaluation criteria with the exceptions summarized in the following table.

LCS ID	Parameter	Analyte	LCS Recovery	LCS Criteria
LCS 400-517673/1002	VOCs	n-Butylbenzene	**133**	67-130
LCS 400-518565/1002	VOCs	n-Butylbenzene	**136**	67-130
LCS 400-518565/1002	VOCs	p-Isopropyltoluene	**131**	65-130

Analytical data that required qualification based on LCS data are included in the table below. Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Sample ID	Parameter	Analyte	Qualification
P57-ROX-011321	VOCs	p-Isopropyltoluene	J
P57-ROX-011321-Dup	VOCs	p-Isopropyltoluene	J

Approximately 10% of spiking compound recoveries for the LCS were recalculated and verified using the LCS summary forms, and no calculation or transcription errors were noted. No qualification of data was required.

1.9 Surrogate Spike Recoveries

Surrogate compounds were used to evaluate the overall laboratory sample preparation efficiency on a per sample basis. All surrogate recoveries were within the method acceptance criteria for the validated samples. Approximately 10% of the recoveries were recalculated, and no calculation or transcription errors were noted.

1.10 Matrix Spike/Matrix Spike Duplicate Samples

MS/MSD samples are analyzed to assess potential matrix effects. The validated samples were not chosen for a MS/MSD.

1.11 Internal Standards

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during each analytical run. IS areas must be within -50% to +100%, and the IS retention times must be within 30 seconds of the IS continuing calibration retention time. IS areas and retention times for the validated samples in this SDG were within evaluation criteria.

The summary forms versus the raw data were verified and no transcription errors were noted. No qualification of data was required.

1.12 Target Compound Identification and Quantification

For validation of the compound identification, chromatograms were reviewed to verify the major peaks were identified, and the relative retention time was no greater than 0.06 minutes different from the associated CV retention times. Approximately 10% of the detected target analytes were recalculated and verified. No anomalies were noted with the identification of the target compounds in the samples.

For the validation of compound quantitation, approximately 10% of the detected target analytes were recalculated from the raw data, and no calculation errors were noted. Additionally, the reporting limits (RLs) were verified to determine if RLs were adjusted for dilutions. No qualification of the data was required and review of the data indicated the correct RLs were reported.

1.13 Overall Data Assessment

Based on the criteria outlined, it is recommended that the results for these analyses are accepted for their intended use. Acceptable levels of accuracy and precision, based on LCS, MS/MSD, and surrogate data were achieved for this SDG.

1.0 VALIDATION OF SVOC DATA – SDG 400-198213-1

This section describes the validation for seven investigative groundwater samples, one field duplicate, and one equipment blank which were prepared by USEPA SW-846 Method 3520C and analyzed for Semi-Volatile Organic Compounds (SVOCs) by USEPA SW-846 Method 8270D and for Polycyclic Aromatic Hydrocarbons (PAHs) by USEPA SW-846 Method 8270D Low Level. Samples were analyzed by TestAmerica Laboratories, Inc. of Pensacola, Florida, and submitted as part of sample delivery group (SDG) 400-198213-1. Samples included as part of this validation are listed below:

Sample Identification	Sample Identification
MW11-ROX-011321	MW22-ROX-011321
MW16-ROX-011321	ROST4PZG-ROX-011321
P59-ROX-011321	P57-ROX-011321-EB
P57-ROX-011321	P57-ROX-011321-Dup
P93D-ROX-011321	--

Evaluation of the analytical data followed procedures outlined in the USEPA Contract Laboratory National Functional Guidelines for Superfund Organic Methods Data Review (EPA 2017).

Criteria evaluated included the following method performance criteria:

- Data package completeness
- Laboratory case narrative/cooler receipt form
- Holding times and sample preservation
- GC/MS instrument performance
- Initial calibration (ICAL)
- Calibration verification (CV)
- Blank samples
- Laboratory control sample (LCS)
- Surrogate spike recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) samples
- Internal standard areas
- Target compound identification and quantitation
- Overall data assessment

1.1 Data Package Completeness

The data package was reviewed to make certain it contained the data contractually required in the deliverable. This included checking the data package for the results of each analyte requested for each field sample submitted in the analytical batch, along with requested QC documentation for the respective methods. The data package was complete.

1.2 Laboratory Case Narrative/Cooler Receipt Form

The laboratory case narrative indicated samples P57-ROX-011321-Dup-RERA and P93D-ROX-011321-RERA were re-extracted outside of the extraction holding time criteria and re-analyzed for bis(2-ethylhexyl) phthalate. CCV recoveries for pyridine and phenol were outside evaluation criteria. Several PAHs were detected in the method blank. SVOC LCS/LCSD recoveries and/or RPDs were outside evaluation criteria. SVOC surrogate 2,4,6-tribromophenol or 2-fluorobiphenyl recoveries were outside criteria in several samples. These issues are addressed further in the appropriate sections of this validation report. Additionally, phenol was qualified as estimated detect (**J**/**J**) due to field duplicate precision; further information for qualification of phenol is provided in section 10.0 of the Data Review associated with this SDG.

No issues were indicated in the cooler receipt form.

1.3 Holding Times and Sample Preservation

Review of the sample collection and analysis dates involved comparing the chain-of-custody, the summary forms, the raw data forms, and the chromatograms for accuracy, consistency, and holding time compliance. The samples were in good condition and were received and maintained at temperatures of ≤ 6ºC and were extracted within seven days of collection and analyzed within 40 days of extraction, with certain exceptions. Samples P57-ROX-011321-Dup and P93D-ROX-011321 were re-extracted 5 days outside extraction holding time criteria (7 days) and then re-analyzed for bis(2-ethylhexyl) phthalate confirmation. Professional judgement was used to qualify as estimated, however, not reject the out of holding time data. Holding time exceedances were not greater than two times (2X) criteria; data requiring qualification is summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
P57-ROX-011321-Dup – RERA	SVOCs	bis(2-Ethylhexyl) phthalate	**UJ**
P93D-ROX-011321 – RERA	SVOCs	bis(2-Ethylhexyl) phthalate	**UJ**

1.4 GC/MS Instrument Performance

GC/MS instrument performance checks were performed to ensure mass resolution, identification, and instrument sensitivity. Criteria for evaluation of instrument performance included possible transcription/calculation errors, adherence to instrument tuning frequency requirements, mass assignments, and ion abundance criteria. Instrument performance check samples were evaluated against the laboratory tuning criteria established in Method 8270D.

Based on the raw data, the ion abundance criteria were within evaluation criteria for all masses, therefore; no qualification of the data was required. The raw data forms were checked against the summary forms and no calculation or transcription errors were noted.

1.5 Initial Calibration

An ICAL was established to assess whether the instrument was capable of producing acceptable qualitative and quantitative data for semi-volatile analysis. SVOC samples as part of SDG 400-198213 were analyzed using instruments Woodstock, Marianne and Pigpen. PAH samples were analyzed using instrument Peanuts. The ICALs for instruments Woodstock, Marianne, Pigpen, and Peanuts were established on 12/21/2020, 1/6/2021, 12/02/2020, and, 11/27/2020 respectively. ICALs for instruments Woodstock, Marianne, Pigpen, and Peanuts were established prior to sample analysis and using at least five concentration standards to establish the initial calibration curve as required by Method 8270D and 8270D Low Level. An

average response factor (RF) was determined for each target analyte, and the RFs were reviewed and verified as greater than the minimum RF as specified in NFG 2017 for all target analytes.

Review of the initial calibration summary forms for SVOCs and PAHs indicated target compounds had percent relative standard deviations (%RSDs) $\leq$ the maximum RSD specified in NFG 2017 for target analytes or closely analogous compounds. Least square linear regression was applied to data for target analytes with %RSDs greater than 15% and the resulting correlation coefficients (r) were greater than 0.990.

Initial calibration verifications (ICVs) for SVOCs and PAHs were analyzed following the initial calibrations. Percent difference (%D) values comparing ICV RF to the average ICAL RFs were less than those specified in NFG (2017) or were > 20% for target, or closely analogous, compounds. No qualification of data was required.

Recalculations of the RFs and %RSD for one compound per internal standard were performed, and no errors in calculation were noted.

1.6 Calibration Verification

Review of sample chromatograms indicated the CVs were performed prior to sample analysis. Review of continuing calibration summary forms for SVOCs and PAHs indicated all RFs met the evaluation criteria of greater than the NFG (2017) specified minimum RF for all target analytes. In addition, %Ds met the evaluation criteria of less than or equal to those specified in NFG (2017) for target, or closely analogous, compounds with the exceptions summarized in the table below.

C/V (Date/Time)	Analyte	%D
400-518108/3 / 01/21/2021 13:31	Phenol	**21.5**
400-517996/3 / 01/20/2021 14:44	Pyridine	**-21.2**

Analytical data that required qualification based on CV %D data are included in the table below. The results for the validated samples associated with an increase in response factor and calculated as positive %D, indicating a potential high bias, were non-detect and were not qualified.

Sample ID	Parameter	Analyte	Qualification
MW11-ROX-011321	SVOCs	Pyridine	**UJ**
MW22-ROX-011321	SVOCs	Pyridine	**UJ**
MW16-ROX-011321	SVOCs	Pyridine	**UJ**
ROST4PZG-ROX-011321	SVOCs	Pyridine	**UJ**
P59-ROX-011321	SVOCs	Pyridine	**UJ**
P57-ROX-011321	SVOCs	Pyridine	**UJ**
P57-ROX-011321-Dup	SVOCs	Pyridine	**UJ**

Recalculations of the RFs and %RSD for one compound per internal standard were performed, and no errors in calculation were noted.

1.7 Blank Samples

The purpose of method blank samples is to evaluate the existence and magnitude of contamination problems emanating from laboratory activities. Method blank samples were analyzed with each analytical batch as required by USEPA SW-846 Method 8270D. Target compounds in the method blank were reported as non-detect with the exceptions summarized in the table below. An equipment blank sample was analyzed to evaluate contamination problems emanating from field or laboratory activities. Target compounds were reported as non-detect with the exception summarized in the table below.

Blank ID	Parameter	Analyte	Concentration /Amount
MB 400-517731/1-A	PAHs	Anthracene	0.0385 µg/L
MB 400-517731/1-A	PAHs	Benzo[a]anthracene	0.150 µg/L
MB 400-517731/1-A	PAHs	Benzo[a]pyrene	0.110 µg/L
MB 400-517731/1-A	PAHs	Benzo[b]fluoranthene	0.0610 µg/L
MB 400-517731/1-A	PAHs	Fluoranthene	0.0838 µg/L
MB 400-517731/1-A	PAHs	Pyrene	0.0685 µg/L

Qualifications due to blank contamination are included in following table. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
MW11-ROX-011321	PAHs	Anthracene	-	U
MW11-ROX-011321	PAHs	Benzo[a]anthracene	-	U
MW11-ROX-011321	PAHs	Benzo[a]pyrene	-	U
MW11-ROX-011321	PAHs	Benzo[b]fluoranthene	-	U
MW11-ROX-011321	PAHs	Fluoranthene	-	U
MW11-ROX-011321	PAHs	Pyrene	-	U
MW22-ROX-011321	PAHs	Benzo[a]anthracene	-	U
MW22-ROX-011321	PAHs	Benzo[a]pyrene	-	U
MW22-ROX-011321	PAHs	Benzo[b]fluoranthene	-	U
MW16-ROX-011321	PAHs	Benzo[a]anthracene	-	U
ROST4PZG-ROX-011321	PAHs	Benzo[a]anthracene	-	U
ROST4PZG-ROX-011321	PAHs	Benzo[b]fluoranthene	-	U
P59-ROX-011321	PAHs	Benzo[a]anthracene	-	U
P59-ROX-011321	PAHs	Benzo[a]pyrene	-	U
P59-ROX-011321	PAHs	Benzo[b]fluoranthene	-	U
P59-ROX-011321	PAHs	Fluoranthene	-	U

1.8 Laboratory Control Spike (LCS) Samples

Laboratory control samples were analyzed with each analytical batch to assess the accuracy of the analytical process. LCS/LCSD recoveries and LCS/LCSD RPDs were within evaluation criteria with the exception summarized in the table below.

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/ RPD Criteria
LCS/LCSD 400-517731/4-A/5-A	SVOCs	Benzenethiol	**0.8/4**	**128**	10-120/30
LCS/LCSD 400-517731/2-A/3-A	SVOCs	Benzoic acid	28/53	**61**	10-144/30
LCS/LCSD 400-517731/2-A/3-A	SVOCs	bis(2-Chloroethyl) ether	54/77	**35**	44-120/30
LCS/LCSD 400-517731/2-A/3-A	SVOCs	Quinoline	59/**40**	**40**	49-130/30

Analytical data that required qualification based on LCS/LCSD data are included in the table below. Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Analytical data associated with RPD alone outside evaluation criteria did not require qualification. Professional judgment was used to qualify, however not reject, data associated with benzenethiol; benzenethiol has been identified as a poor performing analyte under Method 8270.

Sample ID	Parameter	Analyte	Qualification
MW11-ROX-011321	SVOCs	Benzenethiol	**UJ**
MW11-ROX-011321	SVOCs	Quinoline	**UJ**
MW22-ROX-011321	SVOCs	Benzenethiol	**UJ**
MW22-ROX-011321	SVOCs	Quinoline	**UJ**
MW16-ROX-011321	SVOCs	Benzenethiol	**UJ**
MW16-ROX-011321	SVOCs	Quinoline	**UJ**
ROST4PZG-ROX-011321	SVOCs	Benzenethiol	**UJ**
ROST4PZG-ROX-011321	SVOCs	Quinoline	**UJ**
P59-ROX-011321	SVOCs	Benzenethiol	**UJ**
P59-ROX-011321	SVOCs	Quinoline	**UJ**
P57-ROX-011321	SVOCs	Benzenethiol	**UJ**
P57-ROX-011321	SVOCs	Quinoline	**UJ**
P57-ROX-011321-Dup	SVOCs	Benzenethiol	**UJ**
P57-ROX-011321-Dup	SVOCs	Quinoline	**UJ**
P93D-ROX-011321	SVOCs	Benzenethiol	**UJ**
P93D-ROX-011321	SVOCs	Quinoline	**UJ**

Approximately 10% of the laboratory control spike recoveries were recalculated, and the summary forms versus the raw data were verified. No calculation or transcription errors were noted.

1.9 Surrogate Spike Recoveries

Surrogate compounds were used to evaluate the overall laboratory sample preparation efficiency on a per-sample basis. Surrogate recoveries were within the method acceptance criteria for the validated samples with the exceptions summarized in the following table.

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P57-ROX-011321-Dup – RERA	SVOCs	2,4,6-Tribromophenol	**189**	26-150
P93D-ROX-011321	SVOCs	2-Fluorobiphenyl	**37**	46-124
LCS 400-517731/4-A	SVOCs	2,4,6-Tribromophenol	**22**	26-150

Qualifications due to surrogate recoveries were not required if only one of three acid or base/neutral SVOC surrogate recoveries were outside evaluation criteria in the associated samples. Laboratory control samples are quality control samples and do not require qualification. No qualification of data was required.

Approximately 10% of the recoveries were recalculated and no calculation or transcription errors were noted.

1.10 Matrix Spike/Matrix Spike Duplicate Samples

MS/MSD samples are analyzed to assess potential matrix effects. The validated samples in this SDG were not chosen for a MS/MSD.

1.11 Internal Standards

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during each analytical run. Following Method 8270C, the IS areas for the samples and CVs must be within –50% to +100% and retention times must be within 30 seconds of the IS area and retention time of the midpoint of the ICAL.

The IS areas for the CVs and the validated samples in this SDG were within evaluation criteria. No qualification of data was required.

Approximately 10% of the spiking compound recoveries for the LCS were recalculated from the raw data and verified using the LCS summary forms, and no calculation or transcription errors were noted.

1.12 Target Compound Identification and Quantification

For validation of the compound identification, chromatograms were reviewed to verify the major peaks were identified, the spectra of the identified compounds were verified against the library spectra, and the relative retention time was no greater than 0.06 minutes different from the associated CV retention times. A minimum of 10% of the detected target analytes and spiking compounds were verified. No anomalies were noted with the identification of the target compounds in the samples.

For the validation of compound quantitation, 10% of the target analytes were recalculated from the raw data, and no calculation errors were noted. Additionally, the reporting limits (RLs) were verified to determine if RLs were adjusted for dilutions. No qualification of the data was required and review of the data indicated the correct RLs were reported.

1.13 Overall Data Assessment

Based on the criteria outlined, it is recommended that the results reported for these analyses are accepted for their intended use. Acceptable levels for accuracy and precision, based on LCS/LCSD and surrogate data were achieved for this SDG.

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ANALYTICAL REPORT

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Laboratory Job ID: 400-198213-1
Client Project/Site: ROXANA QUARTERLY GW

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Authorized for release by:
1/29/2021 4:55:52 PM

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Reviewed 2/11/2021 MR

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 400-198213-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-198213-1

Comments
No additional comments.

Receipt
The samples were received on 1/14/2021 9:39 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0° C and 0.8° C.

GC/MS VOA
Method 8260B: The laboratory control sample (LCS) for analytical batch 400-517673 recovered outside control limits for the following analytes: n-Butylbenzene. These analytes were biased high in the LCS and were not detected or not reported in the associated samples; therefore, the data have been reported.

Method 8260B: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-011321-8260-A (400-198213-1), MW11-ROX-011321 (400-198213-3), MW22-ROX-011321 (400-198213-4), MW16-ROX-011321 (400-198213-5), ROST4PZG-ROX-011321 (400-198213-6), TB-ROX-011321-8260-B (400-198213-7), P59-ROX-011321 (400-198213-9), P57-ROX-011321-EB (400-198213-10), P57-ROX-011321 (400-198213-11), P57-ROX-011321-DUP (400-198213-12) and P93D-ROX-011321 (400-198213-13). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrades in an acidic medium.

Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW22-ROX-011321 (400-198213-4), P59-ROX-011321 (400-198213-9). Elevated reporting limits (RLs) are provided.

Method 8260B: The detection for naphthalene in sample P93D-ROX-011321 (400-198213-13) is suspected to be carryover. The sample was reanalyzed for this analyte. The original analysis is reported as primary and the reanalysis is reported as secondary for this analyte.

Method 8260B: The laboratory control sample (LCS) for analytical batch 400-518565 recovered outside control limits for the following analyte: n-Butylbenzene. This analyte was biased high in the LCS and was detected in the following samples:P57-ROX-011321 (400-198213-11) and P57-ROX-011321-DUP (400-198213-12). The samples were reanalyzed for this analyte. The original analysis is reported as primary and the reanalysis is reported as secondary for this analyte.

Method 8260B: The laboratory control sample (LCS) for analytical batch 400-518565 recovered outside control limits for the following analytes: 4-Isopropyltoluene and n-Butylbenzene. These analytes were biased high in the LCS and were not detected above the reporting limit in the associated samples with the exception of samples:P57-ROX-011321 (400-198213-11) and P57-ROX-011321-DUP (400-198213-12) which contained detections for n-Butylbenzene. The samples were reanalyzed for this analyte. The original analysis is reported as primary and the reanalysis is reported as secondary for this analyte.

Method 8260B: Reanalysis of the following sample was performed outside of the analytical holding time due to carryover for Naphthalene on the original analysis: P93D-ROX-011321 (400-198213-13).

Method 8260B: Reanalysis of the following samples were performed outside of the analytical holding time due a LCS which recovered above the upper control limit for n-Butylbenzene on the original analysis : P57-ROX-011321 (400-198213-11) and P57-ROX-011321-DUP (400-198213-12).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-517731 and analytical batch 400-517996 recovered outside control limits for the following analytes: Bis(2-chloroethyl)ether, Benzoic acid and Quinoline.

Method 8270D: The following analyte(s) recovered outside control limits for the LCSD associated with preparation batch 400-517731 and

Job ID: 400-198213-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

analytical batch 400-517996: Quinoline. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270D: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-517731 and analytical batch 400-517996 recovered outside control limits for the following analyte(s): Benzenethiol. Benzenethiol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for these analyte(s). These results have been reported and qualified.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-517731 and analytical batch 400-517996 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-517996 recovered outside acceptance criteria, low biased, for Pyridine. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: (LCS 400-517731/4-A). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-518108 recovered above the upper control limit for Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: P57-ROX-011321-DUP (400-198213-12), P93D-ROX-011321 (400-198213-13). These results have been reported and qualified.

Method 8270D: Samples P57-ROX-011321-DUP (400-198213-12) and P93D-ROX-011321 (400-198213-13) were re-extracted and re-analyzed to confirm a detection of Bis(2-ethylhexyl) phthalate. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

Method 8270D LL: The method blank for preparation batch 400-517731 and analytical batch 400-517959 contained Anthracene, Pyrene, Benzo[b]fluoranthene, Fluoranthene, Benzo[a]anthracene and Benzo[a]pyrene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8011: The continuing calibration verification (CCV) associated with batch 400-517997 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8011: The continuing calibration verification (CCV) associated with batch 400-517997 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane and 1,2-Dibromoethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8011: The continuing calibration verification (CCV) associated with batch 400-518231 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-198213-1	TB-ROX-011321-8260-A	Water	01/13/21 00:00	01/14/21 09:39	
400-198213-2	TB-ROX-011321-8011-A	Water	01/13/21 00:00	01/14/21 09:39	
400-198213-3	MW11-ROX-011321	Water	01/13/21 09:05	01/14/21 09:39	
400-198213-4	MW22-ROX-011321	Water	01/13/21 10:20	01/14/21 09:39	
400-198213-5	MW16-ROX-011321	Water	01/13/21 11:20	01/14/21 09:39	
400-198213-6	ROST4PZG-ROX-011321	Water	01/13/21 12:40	01/14/21 09:39	
400-198213-7	TB-ROX-011321-8260-B	Water	01/13/21 00:00	01/14/21 09:39	
400-198213-8	TB-ROX-011321-8011-B	Water	01/13/21 00:00	01/14/21 09:39	
400-198213-9	P59-ROX-011321	Water	01/13/21 09:40	01/14/21 09:39	
400-198213-10	P57-ROX-011321-EB	Water	01/13/21 10:00	01/14/21 09:39	
400-198213-11	P57-ROX-011321	Water	01/13/21 11:10	01/14/21 09:39	
400-198213-12	P57-ROX-011321-DUP	Water	01/13/21 11:10	01/14/21 09:39	
400-198213-13	P93D-ROX-011321	Water	01/13/21 12:20	01/14/21 09:39	

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: TB-ROX-011321-8260-A

Lab Sample ID: 400-198213-1

No Detections.

Client Sample ID: TB-ROX-011321-8011-A

Lab Sample ID: 400-198213-2

No Detections.

Client Sample ID: MW11-ROX-011321

Lab Sample ID: 400-198213-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	~~0.041~~	J B U	0.20	0.033	ug/L	1		8270D LL	Total/NA
Benzo[a]anthracene	~~0.14~~	J B U	0.20	0.047	ug/L	1		8270D LL	Total/NA
Benzo[a]pyrene	~~0.12~~	J B U	0.20	0.043	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	~~0.076~~	J B U	0.20	0.035	ug/L	1		8270D LL	Total/NA
Fluoranthene	~~0.072~~	J B U	0.20	0.069	ug/L	1		8270D LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.049	J	0.20	0.044	ug/L	1		8270D LL	Total/NA
Pyrene	~~0.061~~	J B U	0.20	0.041	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW22-ROX-011321

Lab Sample ID: 400-198213-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7.3		1.0	0.38	ug/L	1		8260B	Total/NA
Ethylbenzene	210		1.0	0.50	ug/L	1		8260B	Total/NA
Isopropylbenzene	20		1.0	0.53	ug/L	1		8260B	Total/NA
Naphthalene	49		1.0	1.0	ug/L	1		8260B	Total/NA
N-Propylbenzene	34		1.0	0.69	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	1.7		1.0	0.71	ug/L	1		8260B	Total/NA
sec-Butylbenzene	1.8		1.0	0.70	ug/L	1		8260B	Total/NA
tert-Butylbenzene	2.4		1.0	0.63	ug/L	1		8260B	Total/NA
Toluene	6.8		1.0	0.41	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	230		1.0	0.82	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	39		1.0	0.56	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene - DL	210		10	3.2	ug/L	2		8260B	Total/NA
n-Butylbenzene - DL	2.1		2.0	1.5	ug/L	2		8260B	Total/NA
o-Xylene - DL	12		10	1.2	ug/L	2		8260B	Total/NA
Xylenes, Total - DL	220		20	3.2	ug/L	2		8260B	Total/NA
Benzo[a]anthracene	~~0.11~~	J B U	0.20	0.046	ug/L	1		8270D LL	Total/NA
Benzo[a]pyrene	~~0.10~~	J B U	0.20	0.042	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	~~0.082~~	J B U	0.20	0.034	ug/L	1		8270D LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.069	J	0.20	0.043	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	3.2		0.20	0.073	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	3.8		0.20	0.060	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW16-ROX-011321

Lab Sample ID: 400-198213-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	~~0.074~~	J B U	0.21	0.048	ug/L	1		8270D LL	Total/NA

Client Sample ID: ROST4PZG-ROX-011321

Lab Sample ID: 400-198213-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.38	J	1.0	0.38	ug/L	1		8260B	Total/NA
Benzo[a]anthracene	~~0.090~~	J B U	0.21	0.047	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	~~0.063~~	J B U	0.21	0.035	ug/L	1		8270D LL	Total/NA
Benzo[k]fluoranthene	0.11	J	0.21	0.10	ug/L	1		8270D LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: TB-ROX-011321-8260-B

Lab Sample ID: 400-198213-7

No Detections.

Client Sample ID: TB-ROX-011321-8011-B

Lab Sample ID: 400-198213-8

No Detections.

Client Sample ID: P59-ROX-011321

Lab Sample ID: 400-198213-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2100		10	3.8	ug/L	10		8260B	Total/NA
Ethylbenzene	140		10	5.0	ug/L	10		8260B	Total/NA
Isopropylbenzene	19		10	5.3	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	140		50	16	ug/L	10		8260B	Total/NA
Naphthalene	100		10	10	ug/L	10		8260B	Total/NA
N-Propylbenzene	31		10	6.9	ug/L	10		8260B	Total/NA
o-Xylene	7.0	J	50	6.0	ug/L	10		8260B	Total/NA
Toluene	94		10	4.1	ug/L	10		8260B	Total/NA
1,2,4-Trimethylbenzene	91		10	8.2	ug/L	10		8260B	Total/NA
1,3,5-Trimethylbenzene	30		10	5.6	ug/L	10		8260B	Total/NA
Xylenes, Total	150		100	16	ug/L	10		8260B	Total/NA
Acenaphthene	0.20		0.19	0.030	ug/L	1		8270D LL	Total/NA
Anthracene	0.26	B	0.19	0.030	ug/L	1		8270D LL	Total/NA
Benzo[a]anthracene	~~0.17~~	J B U	0.19	0.043	ug/L	1		8270D LL	Total/NA
Benzo[a]pyrene	~~0.13~~	J B U	0.19	0.040	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	~~0.11~~	J B U	0.19	0.032	ug/L	1		8270D LL	Total/NA
Chrysene	0.12	J	0.19	0.070	ug/L	1		8270D LL	Total/NA
Dibenz(a,h)anthracene	0.21		0.19	0.047	ug/L	1		8270D LL	Total/NA
Fluoranthene	~~0.20~~	B U	0.19	0.064	ug/L	1		8270D LL	Total/NA
Fluorene	0.51		0.19	0.10	ug/L	1		8270D LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.089	J	0.19	0.040	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	10		0.19	0.070	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	14		0.19	0.056	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.56		0.19	0.034	ug/L	1		8270D LL	Total/NA
Pyrene	0.37	B	0.19	0.038	ug/L	1		8270D LL	Total/NA
2,4-Dimethylphenol	5.1	J	9.4	3.3	ug/L	1		8270D	Total/NA
Phenol	34		9.4	2.4	ug/L	1		8270D	Total/NA

Client Sample ID: P57-ROX-011321-EB

Lab Sample ID: 400-198213-10

No Detections.

Client Sample ID: P57-ROX-011321

Lab Sample ID: 400-198213-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	110	J	1.0	0.38	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	3.0	J	25	2.6	ug/L	1		8260B	Total/NA
Ethylbenzene	1.5		1.0	0.50	ug/L	1		8260B	Total/NA
Isopropylbenzene	23		1.0	0.53	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	2.2	J	5.0	1.6	ug/L	1		8260B	Total/NA
Naphthalene	55		1.0	1.0	ug/L	1		8260B	Total/NA
n-Butylbenzene	3.5	*+	1.0	0.76	ug/L	1		8260B	Total/NA
N-Propylbenzene	25		1.0	0.69	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	0.74	J *+ J	1.0	0.71	ug/L	1		8260B	Total/NA
sec-Butylbenzene	5.3		1.0	0.70	ug/L	1		8260B	Total/NA
tert-Butylbenzene	6.1		1.0	0.63	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P57-ROX-011321 (Continued)

Lab Sample ID: 400-198213-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	6.2		1.0	0.41	ug/L	1		8260B	Total/NA
Xylenes, Total	2.5	J	10	1.6	ug/L	1		8260B	Total/NA
n-Butylbenzene - RA	3.0	H J	1.0	0.76	ug/L	1		8260B	Total/NA
Acenaphthene	0.23		0.19	0.031	ug/L	1		8270D LL	Total/NA
Fluorene	0.40		0.19	0.11	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	13		0.19	0.071	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	14		0.19	0.058	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.22		0.19	0.035	ug/L	1		8270D LL	Total/NA
Dibenzofuran	0.39	J	9.6	0.16	ug/L	1		8270D	Total/NA
Phenol	25	J	9.6	2.5	ug/L	1		8270D	Total/NA

Client Sample ID: P57-ROX-011321-DUP

Lab Sample ID: 400-198213-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	270	J	1.0	0.38	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	3.1	J	25	2.6	ug/L	1		8260B	Total/NA
Ethylbenzene	2.2		1.0	0.50	ug/L	1		8260B	Total/NA
Isopropylbenzene	23		1.0	0.53	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	2.3	J	5.0	1.6	ug/L	1		8260B	Total/NA
Naphthalene	62		1.0	1.0	ug/L	1		8260B	Total/NA
n-Butylbenzene	3.6	*+	1.0	0.76	ug/L	1		8260B	Total/NA
N-Propylbenzene	26		1.0	0.69	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	0.78	J *+ J	1.0	0.71	ug/L	1		8260B	Total/NA
sec-Butylbenzene	5.1		1.0	0.70	ug/L	1		8260B	Total/NA
tert-Butylbenzene	5.9		1.0	0.63	ug/L	1		8260B	Total/NA
Toluene	6.2		1.0	0.41	ug/L	1		8260B	Total/NA
Xylenes, Total	2.5	J	10	1.6	ug/L	1		8260B	Total/NA
n-Butylbenzene - RA	3.0	H J	1.0	0.76	ug/L	1		8260B	Total/NA
Acenaphthene	0.25		0.19	0.030	ug/L	1		8270D LL	Total/NA
Fluorene	0.45		0.19	0.10	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	14		0.19	0.070	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	16		0.19	0.057	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.21		0.19	0.034	ug/L	1		8270D LL	Total/NA
Bis(2-ethylhexyl) phthalate	10		9.5	4.7	ug/L	1		8270D	Total/NA
Dibenzofuran	0.39	J	9.5	0.16	ug/L	1		8270D	Total/NA
Phenol	47	J	9.5	2.5	ug/L	1		8270D	Total/NA

Client Sample ID: P93D-ROX-011321

Lab Sample ID: 400-198213-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	1.2		1.0	0.74	ug/L	1		8260B	Total/NA
Naphthalene	2.4		1.0	1.0	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	6.7	J	9.5	4.7	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-011321-8260-A
Date Collected: 01/13/21 00:00
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/21 17:54	1
Acrolein	ND		20	10	ug/L			01/18/21 17:54	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/21 17:54	1
Benzene	ND		1.0	0.38	ug/L			01/18/21 17:54	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/21 17:54	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/21 17:54	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/21 17:54	1
Bromoform	ND		5.0	0.71	ug/L			01/18/21 17:54	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/21 17:54	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 17:54	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/21 17:54	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/21 17:54	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/21 17:54	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/21 17:54	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/21 17:54	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 17:54	1
Chloroform	ND		1.0	0.60	ug/L			01/18/21 17:54	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/21 17:54	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/21 17:54	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 17:54	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 17:54	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/21 17:54	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/21 17:54	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/21 17:54	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/21 17:54	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 17:54	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 17:54	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 17:54	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 17:54	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 17:54	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 17:54	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/21 17:54	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/21 17:54	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/21 17:54	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/21 17:54	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 17:54	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/21 17:54	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/21 17:54	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/21 17:54	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/21 17:54	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/21 17:54	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/21 17:54	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/21 17:54	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/18/21 17:54	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/21 17:54	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/21 17:54	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/21 17:54	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/21 17:54	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/21 17:54	1

Client Sample ID: TB-ROX-011321-8260-A
Date Collected: 01/13/21 00:00
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/21 17:54	1
Styrene	ND		1.0	1.0	ug/L			01/18/21 17:54	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/21 17:54	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/21 17:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/21 17:54	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/21 17:54	1
Toluene	ND		1.0	0.41	ug/L			01/18/21 17:54	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 17:54	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 17:54	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/21 17:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/21 17:54	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/21 17:54	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/21 17:54	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/21 17:54	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/21 17:54	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/21 17:54	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/21 17:54	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/21 17:54	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/21 17:54	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/21 17:54	1
Xylenes, Total	ND		10	1.6	ug/L			01/18/21 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/18/21 17:54*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/18/21 17:54*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*01/18/21 17:54*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: TB-ROX-011321-8011-A
Date Collected: 01/13/21 00:00
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-2
Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/20/21 09:13	01/20/21 21:12	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/20/21 09:13	01/20/21 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*	*p*	*51 - 149*	*01/20/21 09:13*	*01/20/21 21:12*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: MW11-ROX-011321
Date Collected: 01/13/21 09:05
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/21 18:21	1
Acrolein	ND		20	10	ug/L			01/18/21 18:21	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/21 18:21	1
Benzene	ND		1.0	0.38	ug/L			01/18/21 18:21	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/21 18:21	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/21 18:21	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/21 18:21	1
Bromoform	ND		5.0	0.71	ug/L			01/18/21 18:21	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/21 18:21	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 18:21	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/21 18:21	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/21 18:21	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/21 18:21	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/21 18:21	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/21 18:21	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 18:21	1
Chloroform	ND		1.0	0.60	ug/L			01/18/21 18:21	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/21 18:21	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/21 18:21	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 18:21	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 18:21	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/21 18:21	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/21 18:21	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/21 18:21	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/21 18:21	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 18:21	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 18:21	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 18:21	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 18:21	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 18:21	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 18:21	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/21 18:21	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/21 18:21	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/21 18:21	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/21 18:21	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 18:21	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/21 18:21	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/21 18:21	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/21 18:21	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/21 18:21	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/21 18:21	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/21 18:21	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/21 18:21	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/18/21 18:21	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/21 18:21	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/21 18:21	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/21 18:21	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/21 18:21	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/21 18:21	1

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: MW11-ROX-011321
Date Collected: 01/13/21 09:05
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/21 18:21	1
Styrene	ND		1.0	1.0	ug/L			01/18/21 18:21	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/21 18:21	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/21 18:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/21 18:21	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/21 18:21	1
Toluene	ND		1.0	0.41	ug/L			01/18/21 18:21	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 18:21	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 18:21	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/21 18:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/21 18:21	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/21 18:21	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/21 18:21	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/21 18:21	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/21 18:21	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/21 18:21	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/21 18:21	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/21 18:21	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/21 18:21	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/21 18:21	1
Xylenes, Total	ND		10	1.6	ug/L			01/18/21 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*01/18/21 18:21*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/18/21 18:21*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*01/18/21 18:21*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.033	ug/L		01/18/21 13:41	01/20/21 12:55	1
Acenaphthylene	ND		0.20	0.046	ug/L		01/18/21 13:41	01/20/21 12:55	1
Anthracene	~~0.041~~	J B U	0.20	0.033	ug/L		01/18/21 13:41	01/20/21 12:55	1
Benzo[a]anthracene	~~0.14~~	J B U	0.20	0.047	ug/L		01/18/21 13:41	01/20/21 12:55	1
Benzo[a]pyrene	~~0.12~~	J B U	0.20	0.043	ug/L		01/18/21 13:41	01/20/21 12:55	1
Benzo[b]fluoranthene	~~0.076~~	J B U	0.20	0.035	ug/L		01/18/21 13:41	01/20/21 12:55	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		01/18/21 13:41	01/20/21 12:55	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		01/18/21 13:41	01/20/21 12:55	1
Chrysene	ND		0.20	0.076	ug/L		01/18/21 13:41	01/20/21 12:55	1
Dibenz(a,h)anthracene	ND		0.20	0.051	ug/L		01/18/21 13:41	01/20/21 12:55	1
Fluoranthene	~~0.072~~	J B U	0.20	0.069	ug/L		01/18/21 13:41	01/20/21 12:55	1
Fluorene	ND		0.20	0.11	ug/L		01/18/21 13:41	01/20/21 12:55	1
Indeno[1,2,3-cd]pyrene	0.049	J	0.20	0.044	ug/L		01/18/21 13:41	01/20/21 12:55	1
1-Methylnaphthalene	ND		0.20	0.076	ug/L		01/18/21 13:41	01/20/21 12:55	1
2-Methylnaphthalene	ND		0.20	0.061	ug/L		01/18/21 13:41	01/20/21 12:55	1
Phenanthrene	ND		0.20	0.037	ug/L		01/18/21 13:41	01/20/21 12:55	1
Pyrene	~~0.051~~	J B U	0.20	0.041	ug/L		01/18/21 13:41	01/20/21 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*15 - 122*	*01/18/21 13:41*	*01/20/21 12:55*	*1*
Nitrobenzene-d5	*72*		*19 - 130*	*01/18/21 13:41*	*01/20/21 12:55*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: MW11-ROX-011321
Date Collected: 01/13/21 09:05
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	79		33 - 138	01/18/21 13:41	01/20/21 12:55	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.9	ug/L		01/18/21 13:41	01/20/21 19:05	1
Benzenethiol	ND	*- *1	10	1.7	ug/L		01/18/21 13:41	01/20/21 19:05	1
Benzoic acid	ND	*1	31	7.5	ug/L		01/18/21 13:41	01/20/21 19:05	1
Benzyl alcohol	ND		10	2.0	ug/L		01/18/21 13:41	01/20/21 19:05	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		01/18/21 13:41	01/20/21 19:05	1
Bis(2-chloroethyl)ether	ND	*1	10	2.8	ug/L		01/18/21 13:41	01/20/21 19:05	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		01/18/21 13:41	01/20/21 19:05	1
Bis(2-ethylhexyl) phthalate	ND		10	5.1	ug/L		01/18/21 13:41	01/20/21 19:05	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		01/18/21 13:41	01/20/21 19:05	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		01/18/21 13:41	01/20/21 19:05	1
4-Chloroaniline	ND		10	3.5	ug/L		01/18/21 13:41	01/20/21 19:05	1
4-Chloro-3-methylphenol	ND		10	3.9	ug/L		01/18/21 13:41	01/20/21 19:05	1
2-Chloronaphthalene	ND		10	0.14	ug/L		01/18/21 13:41	01/20/21 19:05	1
2-Chlorophenol	ND		10	2.2	ug/L		01/18/21 13:41	01/20/21 19:05	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/18/21 13:41	01/20/21 19:05	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 19:05	1
Dibenzofuran	ND		10	0.17	ug/L		01/18/21 13:41	01/20/21 19:05	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		01/18/21 13:41	01/20/21 19:05	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		01/18/21 13:41	01/20/21 19:05	1
Diethyl phthalate	ND		10	0.25	ug/L		01/18/21 13:41	01/20/21 19:05	1
2,4-Dimethylphenol	ND		10	3.6	ug/L		01/18/21 13:41	01/20/21 19:05	1
Dimethyl phthalate	ND		10	0.17	ug/L		01/18/21 13:41	01/20/21 19:05	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		01/18/21 13:41	01/20/21 19:05	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		01/18/21 13:41	01/20/21 19:05	1
2,4-Dinitrophenol	ND		31	3.5	ug/L		01/18/21 13:41	01/20/21 19:05	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/18/21 13:41	01/20/21 19:05	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/18/21 13:41	01/20/21 19:05	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		01/18/21 13:41	01/20/21 19:05	1
1,4-Dioxane	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 19:05	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 19:05	1
Hexachlorobenzene	ND		10	0.17	ug/L		01/18/21 13:41	01/20/21 19:05	1
Hexachlorocyclopentadiene	ND		20	2.7	ug/L		01/18/21 13:41	01/20/21 19:05	1
Hexachloroethane	ND		10	4.3	ug/L		01/18/21 13:41	01/20/21 19:05	1
Indene	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 19:05	1
Isophorone	ND		10	0.14	ug/L		01/18/21 13:41	01/20/21 19:05	1
2-Methylphenol	ND		10	1.8	ug/L		01/18/21 13:41	01/20/21 19:05	1
3 & 4 Methylphenol	ND		20	0.40	ug/L		01/18/21 13:41	01/20/21 19:05	1
2-Nitroaniline	ND		10	2.2	ug/L		01/18/21 13:41	01/20/21 19:05	1
3-Nitroaniline	ND		10	1.8	ug/L		01/18/21 13:41	01/20/21 19:05	1
4-Nitroaniline	ND		10	1.5	ug/L		01/18/21 13:41	01/20/21 19:05	1
Nitrobenzene	ND		10	0.13	ug/L		01/18/21 13:41	01/20/21 19:05	1
2-Nitrophenol	ND		10	5.3	ug/L		01/18/21 13:41	01/20/21 19:05	1
4-Nitrophenol	ND		10	2.1	ug/L		01/18/21 13:41	01/20/21 19:05	1
N-Nitrosodimethylamine	ND		10	3.6	ug/L		01/18/21 13:41	01/20/21 19:05	1

Client Sample ID: MW11-ROX-011321
Date Collected: 01/13/21 09:05
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.4	ug/L		01/18/21 13:41	01/20/21 19:05	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		01/18/21 13:41	01/20/21 19:05	1
Pentachlorophenol	ND		20	1.4	ug/L		01/18/21 13:41	01/20/21 19:05	1
Phenol	ND		10	2.7	ug/L		01/18/21 13:41	01/20/21 19:05	1
Pyridine	ND	UJ	10	3.3	ug/L		01/18/21 13:41	01/20/21 19:05	1
Quinoline	ND	*-*1 UJ	10	4.6	ug/L		01/18/21 13:41	01/20/21 19:05	1
2,4,5-Trichlorophenol	ND		10	3.8	ug/L		01/18/21 13:41	01/20/21 19:05	1
2,4,6-Trichlorophenol	ND		10	3.6	ug/L		01/18/21 13:41	01/20/21 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*		*46 - 124*	*01/18/21 13:41*	*01/20/21 19:05*	*1*
2-Fluorophenol	*42*		*13 - 113*	*01/18/21 13:41*	*01/20/21 19:05*	*1*
Nitrobenzene-d5	*45*		*36 - 126*	*01/18/21 13:41*	*01/20/21 19:05*	*1*
Phenol-d5	*46*		*17 - 127*	*01/18/21 13:41*	*01/20/21 19:05*	*1*
Terphenyl-d14	*50*		*44 - 149*	*01/18/21 13:41*	*01/20/21 19:05*	*1*
2,4,6-Tribromophenol	*54*		*26 - 150*	*01/18/21 13:41*	*01/20/21 19:05*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/20/21 09:13	01/20/21 22:11	1
1,2-Dibromoethane	ND		0.021	0.0051	ug/L		01/20/21 09:13	01/20/21 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*	*p*	*51 - 149*	*01/20/21 09:13*	*01/20/21 22:11*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: MW22-ROX-011321
Date Collected: 01/13/21 10:20
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/21 18:48	1
Acrolein	ND		20	10	ug/L			01/18/21 18:48	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/21 18:48	1
Benzene	**7.3**		1.0	0.38	ug/L			01/18/21 18:48	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/21 18:48	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/21 18:48	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/21 18:48	1
Bromoform	ND		5.0	0.71	ug/L			01/18/21 18:48	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/21 18:48	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 18:48	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/21 18:48	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/21 18:48	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/21 18:48	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/21 18:48	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/21 18:48	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 18:48	1
Chloroform	ND		1.0	0.60	ug/L			01/18/21 18:48	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/21 18:48	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/21 18:48	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 18:48	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 18:48	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/21 18:48	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/21 18:48	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/21 18:48	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/21 18:48	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 18:48	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 18:48	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 18:48	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 18:48	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 18:48	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 18:48	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/21 18:48	1
Ethylbenzene	**210**		1.0	0.50	ug/L			01/18/21 18:48	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/21 18:48	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/21 18:48	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 18:48	1
Isopropylbenzene	**20**		1.0	0.53	ug/L			01/18/21 18:48	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/21 18:48	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/21 18:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/21 18:48	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/21 18:48	1
Naphthalene	**49**		1.0	1.0	ug/L			01/18/21 18:48	1
N-Propylbenzene	**34**		1.0	0.69	ug/L			01/18/21 18:48	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/21 18:48	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/21 18:48	1
p-Isopropyltoluene	**1.7**		1.0	0.71	ug/L			01/18/21 18:48	1
sec-Butylbenzene	**1.8**		1.0	0.70	ug/L			01/18/21 18:48	1
Styrene	ND		1.0	1.0	ug/L			01/18/21 18:48	1
tert-Butylbenzene	**2.4**		1.0	0.63	ug/L			01/18/21 18:48	1

Client Sample ID: MW22-ROX-011321
Date Collected: 01/13/21 10:20
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/21 18:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/21 18:48	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/21 18:48	1
Toluene	6.8		1.0	0.41	ug/L			01/18/21 18:48	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 18:48	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 18:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/21 18:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/21 18:48	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/21 18:48	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/21 18:48	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/21 18:48	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/21 18:48	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/21 18:48	1
1,2,4-Trimethylbenzene	230		1.0	0.82	ug/L			01/18/21 18:48	1
1,3,5-Trimethylbenzene	39		1.0	0.56	ug/L			01/18/21 18:48	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/21 18:48	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/21 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*01/18/21 18:48*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/18/21 18:48*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*01/18/21 18:48*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	210		10	3.2	ug/L			01/19/21 17:48	2
n-Butylbenzene	2.1		2.0	1.5	ug/L			01/19/21 17:48	2
o-Xylene	12		10	1.2	ug/L			01/19/21 17:48	2
Xylenes, Total	220		20	3.2	ug/L			01/19/21 17:48	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*01/19/21 17:48*	*2*
Dibromofluoromethane	*88*		*81 - 121*		*01/19/21 17:48*	*2*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/19/21 17:48*	*2*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		01/18/21 13:41	01/20/21 13:11	1
Acenaphthylene	ND		0.20	0.045	ug/L		01/18/21 13:41	01/20/21 13:11	1
Anthracene	ND		0.20	0.032	ug/L		01/18/21 13:41	01/20/21 13:11	1
Benzo[a]anthracene	~~0.11~~ J B U		0.20	0.046	ug/L		01/18/21 13:41	01/20/21 13:11	1
Benzo[a]pyrene	~~0.10~~ J B U		0.20	0.042	ug/L		01/18/21 13:41	01/20/21 13:11	1
Benzo[b]fluoranthene	~~0.082~~ J B U		0.20	0.034	ug/L		01/18/21 13:41	01/20/21 13:11	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		01/18/21 13:41	01/20/21 13:11	1
Benzo[k]fluoranthene	ND		0.20	0.099	ug/L		01/18/21 13:41	01/20/21 13:11	1
Chrysene	ND		0.20	0.073	ug/L		01/18/21 13:41	01/20/21 13:11	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		01/18/21 13:41	01/20/21 13:11	1
Fluoranthene	ND		0.20	0.067	ug/L		01/18/21 13:41	01/20/21 13:11	1
Fluorene	ND		0.20	0.11	ug/L		01/18/21 13:41	01/20/21 13:11	1
Indeno[1,2,3-cd]pyrene	0.069	J	0.20	0.043	ug/L		01/18/21 13:41	01/20/21 13:11	1

Client Sample ID: MW22-ROX-011321
Date Collected: 01/13/21 10:20
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-4
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	3.2		0.20	0.073	ug/L		01/18/21 13:41	01/20/21 13:11	1
2-Methylnaphthalene	3.8		0.20	0.060	ug/L		01/18/21 13:41	01/20/21 13:11	1
Phenanthrene	ND		0.20	0.036	ug/L		01/18/21 13:41	01/20/21 13:11	1
Pyrene	ND		0.20	0.040	ug/L		01/18/21 13:41	01/20/21 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*15 - 122*	*01/18/21 13:41*	*01/20/21 13:11*	*1*
Nitrobenzene-d5	*69*		*19 - 130*	*01/18/21 13:41*	*01/20/21 13:11*	*1*
Terphenyl-d14	*81*		*33 - 138*	*01/18/21 13:41*	*01/20/21 13:11*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.9	3.8	ug/L		01/18/21 13:41	01/20/21 19:31	1
Benzenethiol	ND	*- *1	9.9	1.7	ug/L		01/18/21 13:41	01/20/21 19:31	1
Benzoic acid	ND	*1	30	7.2	ug/L		01/18/21 13:41	01/20/21 19:31	1
Benzyl alcohol	ND		9.9	2.0	ug/L		01/18/21 13:41	01/20/21 19:31	1
Bis(2-chloroethoxy)methane	ND		9.9	0.16	ug/L		01/18/21 13:41	01/20/21 19:31	1
Bis(2-chloroethyl)ether	ND	*1	9.9	2.7	ug/L		01/18/21 13:41	01/20/21 19:31	1
bis (2-chloroisopropyl) ether	ND		9.9	0.16	ug/L		01/18/21 13:41	01/20/21 19:31	1
Bis(2-ethylhexyl) phthalate	ND		9.9	5.0	ug/L		01/18/21 13:41	01/20/21 19:31	1
4-Bromophenyl phenyl ether	ND		9.9	0.20	ug/L		01/18/21 13:41	01/20/21 19:31	1
Butyl benzyl phthalate	ND		9.9	0.19	ug/L		01/18/21 13:41	01/20/21 19:31	1
4-Chloroaniline	ND		9.9	3.4	ug/L		01/18/21 13:41	01/20/21 19:31	1
4-Chloro-3-methylphenol	ND		9.9	3.8	ug/L		01/18/21 13:41	01/20/21 19:31	1
2-Chloronaphthalene	ND		9.9	0.14	ug/L		01/18/21 13:41	01/20/21 19:31	1
2-Chlorophenol	ND		9.9	2.2	ug/L		01/18/21 13:41	01/20/21 19:31	1
4-Chlorophenyl phenyl ether	ND		9.9	2.0	ug/L		01/18/21 13:41	01/20/21 19:31	1
Dibenz[a,h]acridine	ND		9.9	0.99	ug/L		01/18/21 13:41	01/20/21 19:31	1
Dibenzofuran	ND		9.9	0.17	ug/L		01/18/21 13:41	01/20/21 19:31	1
3,3'-Dichlorobenzidine	ND		9.9	2.6	ug/L		01/18/21 13:41	01/20/21 19:31	1
2,4-Dichlorophenol	ND		9.9	3.0	ug/L		01/18/21 13:41	01/20/21 19:31	1
Diethyl phthalate	ND		9.9	0.24	ug/L		01/18/21 13:41	01/20/21 19:31	1
2,4-Dimethylphenol	ND		9.9	3.5	ug/L		01/18/21 13:41	01/20/21 19:31	1
Dimethyl phthalate	ND		9.9	0.17	ug/L		01/18/21 13:41	01/20/21 19:31	1
Di-n-butyl phthalate	ND		9.9	2.7	ug/L		01/18/21 13:41	01/20/21 19:31	1
4,6-Dinitro-ortho-cresol	ND		9.9	1.6	ug/L		01/18/21 13:41	01/20/21 19:31	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/18/21 13:41	01/20/21 19:31	1
2,4-Dinitrotoluene	ND		9.9	1.9	ug/L		01/18/21 13:41	01/20/21 19:31	1
2,6-Dinitrotoluene	ND		9.9	1.9	ug/L		01/18/21 13:41	01/20/21 19:31	1
Di-n-octyl phthalate	ND		9.9	0.17	ug/L		01/18/21 13:41	01/20/21 19:31	1
1,4-Dioxane	ND		9.9	0.99	ug/L		01/18/21 13:41	01/20/21 19:31	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.9	0.99	ug/L		01/18/21 13:41	01/20/21 19:31	1
Hexachlorobenzene	ND		9.9	0.17	ug/L		01/18/21 13:41	01/20/21 19:31	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/18/21 13:41	01/20/21 19:31	1
Hexachloroethane	ND		9.9	4.2	ug/L		01/18/21 13:41	01/20/21 19:31	1
Indene	ND		9.9	0.99	ug/L		01/18/21 13:41	01/20/21 19:31	1
Isophorone	ND		9.9	0.14	ug/L		01/18/21 13:41	01/20/21 19:31	1
2-Methylphenol	ND		9.9	1.8	ug/L		01/18/21 13:41	01/20/21 19:31	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		01/18/21 13:41	01/20/21 19:31	1

Client Sample ID: MW22-ROX-011321
Date Collected: 01/13/21 10:20
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		9.9	2.2	ug/L		01/18/21 13:41	01/20/21 19:31	1
3-Nitroaniline	ND		9.9	1.8	ug/L		01/18/21 13:41	01/20/21 19:31	1
4-Nitroaniline	ND		9.9	1.5	ug/L		01/18/21 13:41	01/20/21 19:31	1
Nitrobenzene	ND		9.9	0.13	ug/L		01/18/21 13:41	01/20/21 19:31	1
2-Nitrophenol	ND		9.9	5.2	ug/L		01/18/21 13:41	01/20/21 19:31	1
4-Nitrophenol	ND		9.9	2.1	ug/L		01/18/21 13:41	01/20/21 19:31	1
N-Nitrosodimethylamine	ND		9.9	3.5	ug/L		01/18/21 13:41	01/20/21 19:31	1
N-Nitrosodi-n-propylamine	ND		9.9	3.3	ug/L		01/18/21 13:41	01/20/21 19:31	1
N-Nitrosodiphenylamine	ND		9.9	0.18	ug/L		01/18/21 13:41	01/20/21 19:31	1
Pentachlorophenol	ND		20	1.4	ug/L		01/18/21 13:41	01/20/21 19:31	1
Phenol	ND		9.9	2.6	ug/L		01/18/21 13:41	01/20/21 19:31	1
Pyridine	ND	UJ	9.9	3.2	ug/L		01/18/21 13:41	01/20/21 19:31	1
Quinoline	ND	*-*1 UJ	9.9	4.5	ug/L		01/18/21 13:41	01/20/21 19:31	1
2,4,5-Trichlorophenol	ND		9.9	3.7	ug/L		01/18/21 13:41	01/20/21 19:31	1
2,4,6-Trichlorophenol	ND		9.9	3.5	ug/L		01/18/21 13:41	01/20/21 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*46 - 124*	*01/18/21 13:41*	*01/20/21 19:31*	*1*
2-Fluorophenol	*14*		*13 - 113*	*01/18/21 13:41*	*01/20/21 19:31*	*1*
Nitrobenzene-d5	*48*		*36 - 126*	*01/18/21 13:41*	*01/20/21 19:31*	*1*
Phenol-d5	*35*		*17 - 127*	*01/18/21 13:41*	*01/20/21 19:31*	*1*
Terphenyl-d14	*53*		*44 - 149*	*01/18/21 13:41*	*01/20/21 19:31*	*1*
2,4,6-Tribromophenol	*57*		*26 - 150*	*01/18/21 13:41*	*01/20/21 19:31*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/20/21 09:13	01/20/21 22:31	1
1,2-Dibromoethane	ND		0.021	0.0051	ug/L		01/20/21 09:13	01/20/21 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*	*p*	*51 - 149*	*01/20/21 09:13*	*01/20/21 22:31*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: MW16-ROX-011321
Date Collected: 01/13/21 11:20
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 19:15	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 19:15	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*01/18/21 19:15*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/18/21 19:15*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*01/18/21 19:15*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/19/21 14:24	1
Acrolein	ND		20	10	ug/L			01/19/21 14:24	1
Acrylonitrile	ND		10	2.8	ug/L			01/19/21 14:24	1
Benzene	ND		1.0	0.38	ug/L			01/19/21 14:24	1
Bromobenzene	ND		1.0	0.54	ug/L			01/19/21 14:24	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/19/21 14:24	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/19/21 14:24	1
Bromoform	ND		5.0	0.71	ug/L			01/19/21 14:24	1
Bromomethane	ND		1.0	0.98	ug/L			01/19/21 14:24	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/19/21 14:24	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/19/21 14:24	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/19/21 14:24	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/19/21 14:24	1
Chloroethane	ND		1.0	0.76	ug/L			01/19/21 14:24	1
Chloroform	ND		1.0	0.60	ug/L			01/19/21 14:24	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/19/21 14:24	1
Chloromethane	ND		1.0	0.83	ug/L			01/19/21 14:24	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/19/21 14:24	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/19/21 14:24	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/19/21 14:24	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/19/21 14:24	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/19/21 14:24	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/19/21 14:24	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/19/21 14:24	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/19/21 14:24	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/19/21 14:24	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/19/21 14:24	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/19/21 14:24	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/19/21 14:24	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/19/21 14:24	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/19/21 14:24	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/19/21 14:24	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/19/21 14:24	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/19/21 14:24	1
Methylene bromide	ND		5.0	0.59	ug/L			01/19/21 14:24	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/19/21 14:24	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/19/21 14:24	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/19/21 14:24	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/19/21 14:24	1

Client Sample ID: MW16-ROX-011321
Date Collected: 01/13/21 11:20
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	1.0	ug/L			01/19/21 14:24	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/19/21 14:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/19/21 14:24	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/19/21 14:24	1
o-Xylene	ND		5.0	0.60	ug/L			01/19/21 14:24	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/19/21 14:24	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/19/21 14:24	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/19/21 14:24	1
Styrene	ND		1.0	1.0	ug/L			01/19/21 14:24	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/19/21 14:24	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/19/21 14:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/19/21 14:24	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/19/21 14:24	1
Toluene	ND		1.0	0.41	ug/L			01/19/21 14:24	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/19/21 14:24	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/19/21 14:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/19/21 14:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/19/21 14:24	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/19/21 14:24	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/19/21 14:24	1
Trichloroethene	ND		1.0	0.50	ug/L			01/19/21 14:24	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/19/21 14:24	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/19/21 14:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/19/21 14:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/19/21 14:24	1
Vinyl acetate	ND		25	2.0	ug/L			01/19/21 14:24	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/19/21 14:24	1
Xylenes, Total	ND		10	1.6	ug/L			01/19/21 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*78 - 118*		*01/19/21 14:24*	*1*
Dibromofluoromethane	*88*		*81 - 121*		*01/19/21 14:24*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/19/21 14:24*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.21	0.033	ug/L		01/18/21 13:41	01/20/21 13:26	1
Acenaphthylene	ND		0.21	0.047	ug/L		01/18/21 13:41	01/20/21 13:26	1
Anthracene	ND		0.21	0.033	ug/L		01/18/21 13:41	01/20/21 13:26	1
Benzo[a]anthracene	~~0.074~~	J B U	0.21	0.048	ug/L		01/18/21 13:41	01/20/21 13:26	1
Benzo[a]pyrene	ND		0.21	0.044	ug/L		01/18/21 13:41	01/20/21 13:26	1
Benzo[b]fluoranthene	ND		0.21	0.036	ug/L		01/18/21 13:41	01/20/21 13:26	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		01/18/21 13:41	01/20/21 13:26	1
Benzo[k]fluoranthene	ND		0.21	0.10	ug/L		01/18/21 13:41	01/20/21 13:26	1
Chrysene	ND		0.21	0.077	ug/L		01/18/21 13:41	01/20/21 13:26	1
Dibenz(a,h)anthracene	ND		0.21	0.052	ug/L		01/18/21 13:41	01/20/21 13:26	1
Fluoranthene	ND		0.21	0.071	ug/L		01/18/21 13:41	01/20/21 13:26	1
Fluorene	ND		0.21	0.11	ug/L		01/18/21 13:41	01/20/21 13:26	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.045	ug/L		01/18/21 13:41	01/20/21 13:26	1
1-Methylnaphthalene	ND		0.21	0.077	ug/L		01/18/21 13:41	01/20/21 13:26	1

Client Sample ID: MW16-ROX-011321
Date Collected: 01/13/21 11:20
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-5
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.21	0.063	ug/L		01/18/21 13:41	01/20/21 13:26	1
Phenanthrene	ND		0.21	0.038	ug/L		01/18/21 13:41	01/20/21 13:26	1
Pyrene	ND		0.21	0.042	ug/L		01/18/21 13:41	01/20/21 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*15 - 122*	*01/18/21 13:41*	*01/20/21 13:26*	*1*
Nitrobenzene-d5	*67*		*19 - 130*	*01/18/21 13:41*	*01/20/21 13:26*	*1*
Terphenyl-d14	*65*		*33 - 138*	*01/18/21 13:41*	*01/20/21 13:26*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	4.0	ug/L		01/18/21 13:41	01/20/21 19:57	1
Benzenethiol	ND	*-*1 WJ	10	1.8	ug/L		01/18/21 13:41	01/20/21 19:57	1
Benzoic acid	ND	*1	31	7.6	ug/L		01/18/21 13:41	01/20/21 19:57	1
Benzyl alcohol	ND		10	2.1	ug/L		01/18/21 13:41	01/20/21 19:57	1
Bis(2-chloroethoxy)methane	ND		10	0.17	ug/L		01/18/21 13:41	01/20/21 19:57	1
Bis(2-chloroethyl)ether	ND	*1	10	2.8	ug/L		01/18/21 13:41	01/20/21 19:57	1
bis (2-chloroisopropyl) ether	ND		10	0.17	ug/L		01/18/21 13:41	01/20/21 19:57	1
Bis(2-ethylhexyl) phthalate	ND		10	5.2	ug/L		01/18/21 13:41	01/20/21 19:57	1
4-Bromophenyl phenyl ether	ND		10	0.21	ug/L		01/18/21 13:41	01/20/21 19:57	1
Butyl benzyl phthalate	ND		10	0.20	ug/L		01/18/21 13:41	01/20/21 19:57	1
4-Chloroaniline	ND		10	3.6	ug/L		01/18/21 13:41	01/20/21 19:57	1
4-Chloro-3-methylphenol	ND		10	4.0	ug/L		01/18/21 13:41	01/20/21 19:57	1
2-Chloronaphthalene	ND		10	0.15	ug/L		01/18/21 13:41	01/20/21 19:57	1
2-Chlorophenol	ND		10	2.3	ug/L		01/18/21 13:41	01/20/21 19:57	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		01/18/21 13:41	01/20/21 19:57	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 19:57	1
Dibenzofuran	ND		10	0.18	ug/L		01/18/21 13:41	01/20/21 19:57	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		01/18/21 13:41	01/20/21 19:57	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		01/18/21 13:41	01/20/21 19:57	1
Diethyl phthalate	ND		10	0.25	ug/L		01/18/21 13:41	01/20/21 19:57	1
2,4-Dimethylphenol	ND		10	3.7	ug/L		01/18/21 13:41	01/20/21 19:57	1
Dimethyl phthalate	ND		10	0.18	ug/L		01/18/21 13:41	01/20/21 19:57	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		01/18/21 13:41	01/20/21 19:57	1
4,6-Dinitro-ortho-cresol	ND		10	1.7	ug/L		01/18/21 13:41	01/20/21 19:57	1
2,4-Dinitrophenol	ND		31	3.6	ug/L		01/18/21 13:41	01/20/21 19:57	1
2,4-Dinitrotoluene	ND		10	2.0	ug/L		01/18/21 13:41	01/20/21 19:57	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		01/18/21 13:41	01/20/21 19:57	1
Di-n-octyl phthalate	ND		10	0.18	ug/L		01/18/21 13:41	01/20/21 19:57	1
1,4-Dioxane	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 19:57	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 19:57	1
Hexachlorobenzene	ND		10	0.18	ug/L		01/18/21 13:41	01/20/21 19:57	1
Hexachlorocyclopentadiene	ND		21	2.7	ug/L		01/18/21 13:41	01/20/21 19:57	1
Hexachloroethane	ND		10	4.4	ug/L		01/18/21 13:41	01/20/21 19:57	1
Indene	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 19:57	1
Isophorone	ND		10	0.15	ug/L		01/18/21 13:41	01/20/21 19:57	1
2-Methylphenol	ND		10	1.9	ug/L		01/18/21 13:41	01/20/21 19:57	1
3 & 4 Methylphenol	ND		21	0.41	ug/L		01/18/21 13:41	01/20/21 19:57	1
2-Nitroaniline	ND		10	2.3	ug/L		01/18/21 13:41	01/20/21 19:57	1

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: MW16-ROX-011321
Date Collected: 01/13/21 11:20
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		10	1.9	ug/L		01/18/21 13:41	01/20/21 19:57	1
4-Nitroaniline	ND		10	1.6	ug/L		01/18/21 13:41	01/20/21 19:57	1
Nitrobenzene	ND		10	0.14	ug/L		01/18/21 13:41	01/20/21 19:57	1
2-Nitrophenol	ND		10	5.4	ug/L		01/18/21 13:41	01/20/21 19:57	1
4-Nitrophenol	ND		10	2.2	ug/L		01/18/21 13:41	01/20/21 19:57	1
N-Nitrosodimethylamine	ND		10	3.7	ug/L		01/18/21 13:41	01/20/21 19:57	1
N-Nitrosodi-n-propylamine	ND		10	3.4	ug/L		01/18/21 13:41	01/20/21 19:57	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		01/18/21 13:41	01/20/21 19:57	1
Pentachlorophenol	ND		21	1.5	ug/L		01/18/21 13:41	01/20/21 19:57	1
Phenol	ND		10	2.7	ug/L		01/18/21 13:41	01/20/21 19:57	1
Pyridine	ND	UJ	10	3.3	ug/L		01/18/21 13:41	01/20/21 19:57	1
Quinoline	ND	*-*1 UJ	10	4.7	ug/L		01/18/21 13:41	01/20/21 19:57	1
2,4,5-Trichlorophenol	ND		10	3.9	ug/L		01/18/21 13:41	01/20/21 19:57	1
2,4,6-Trichlorophenol	ND		10	3.7	ug/L		01/18/21 13:41	01/20/21 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*46 - 124*	*01/18/21 13:41*	*01/20/21 19:57*	*1*
2-Fluorophenol	*46*		*13 - 113*	*01/18/21 13:41*	*01/20/21 19:57*	*1*
Nitrobenzene-d5	*51*		*36 - 126*	*01/18/21 13:41*	*01/20/21 19:57*	*1*
Phenol-d5	*49*		*17 - 127*	*01/18/21 13:41*	*01/20/21 19:57*	*1*
Terphenyl-d14	*55*		*44 - 149*	*01/18/21 13:41*	*01/20/21 19:57*	*1*
2,4,6-Tribromophenol	*58*		*26 - 150*	*01/18/21 13:41*	*01/20/21 19:57*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/20/21 09:13	01/20/21 22:50	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/20/21 09:13	01/20/21 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*51 - 149*	*01/20/21 09:13*	*01/20/21 22:50*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: ROST4PZG-ROX-011321
Date Collected: 01/13/21 12:40
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/21 19:42	1
Acrolein	ND		20	10	ug/L			01/18/21 19:42	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/21 19:42	1
Benzene	**0.38**	**J**	1.0	0.38	ug/L			01/18/21 19:42	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/21 19:42	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/21 19:42	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/21 19:42	1
Bromoform	ND		5.0	0.71	ug/L			01/18/21 19:42	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/21 19:42	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 19:42	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/21 19:42	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/21 19:42	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/21 19:42	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/21 19:42	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/21 19:42	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 19:42	1
Chloroform	ND		1.0	0.60	ug/L			01/18/21 19:42	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/21 19:42	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/21 19:42	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 19:42	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 19:42	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/21 19:42	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/21 19:42	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/21 19:42	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/21 19:42	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 19:42	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 19:42	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 19:42	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 19:42	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 19:42	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 19:42	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/21 19:42	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/21 19:42	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/21 19:42	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/21 19:42	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 19:42	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/21 19:42	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/21 19:42	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/21 19:42	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/21 19:42	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/21 19:42	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/21 19:42	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/21 19:42	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/18/21 19:42	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/21 19:42	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/21 19:42	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/21 19:42	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/21 19:42	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/21 19:42	1

Client Sample ID: ROST4PZG-ROX-011321

Date Collected: 01/13/21 12:40
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/21 19:42	1
Styrene	ND		1.0	1.0	ug/L			01/18/21 19:42	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/21 19:42	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/21 19:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/21 19:42	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/21 19:42	1
Toluene	ND		1.0	0.41	ug/L			01/18/21 19:42	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 19:42	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 19:42	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/21 19:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/21 19:42	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/21 19:42	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/21 19:42	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/21 19:42	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/21 19:42	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/21 19:42	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/21 19:42	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/21 19:42	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/21 19:42	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/21 19:42	1
Xylenes, Total	ND		10	1.6	ug/L			01/18/21 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/18/21 19:42*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*01/18/21 19:42*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/18/21 19:42*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.21	0.033	ug/L		01/18/21 13:41	01/20/21 13:42	1
Acenaphthylene	ND		0.21	0.046	ug/L		01/18/21 13:41	01/20/21 13:42	1
Anthracene	ND		0.21	0.033	ug/L		01/18/21 13:41	01/20/21 13:42	1
Benzo[a]anthracene	~~0.090~~	J B U	0.21	0.047	ug/L		01/18/21 13:41	01/20/21 13:42	1
Benzo[a]pyrene	ND		0.21	0.043	ug/L		01/18/21 13:41	01/20/21 13:42	1
Benzo[b]fluoranthene	~~0.063~~	J B U	0.21	0.035	ug/L		01/18/21 13:41	01/20/21 13:42	1
Benzo[g,h,i]perylene	ND		0.21	0.13	ug/L		01/18/21 13:41	01/20/21 13:42	1
Benzo[k]fluoranthene	0.11	J	0.21	0.10	ug/L		01/18/21 13:41	01/20/21 13:42	1
Chrysene	ND		0.21	0.076	ug/L		01/18/21 13:41	01/20/21 13:42	1
Dibenz(a,h)anthracene	ND		0.21	0.052	ug/L		01/18/21 13:41	01/20/21 13:42	1
Fluoranthene	ND		0.21	0.070	ug/L		01/18/21 13:41	01/20/21 13:42	1
Fluorene	ND		0.21	0.11	ug/L		01/18/21 13:41	01/20/21 13:42	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.044	ug/L		01/18/21 13:41	01/20/21 13:42	1
1-Methylnaphthalene	ND		0.21	0.076	ug/L		01/18/21 13:41	01/20/21 13:42	1
2-Methylnaphthalene	ND		0.21	0.062	ug/L		01/18/21 13:41	01/20/21 13:42	1
Phenanthrene	ND		0.21	0.037	ug/L		01/18/21 13:41	01/20/21 13:42	1
Pyrene	ND		0.21	0.041	ug/L		01/18/21 13:41	01/20/21 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*15 - 122*	*01/18/21 13:41*	*01/20/21 13:42*	*1*
Nitrobenzene-d5	*110*		*19 - 130*	*01/18/21 13:41*	*01/20/21 13:42*	*1*

Client Sample ID: ROST4PZG-ROX-011321
Date Collected: 01/13/21 12:40
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-6
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	*119*		*33 - 138*	*01/18/21 13:41*	*01/20/21 13:42*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.9	ug/L		01/18/21 13:41	01/20/21 20:23	1
Benzenethiol	ND	*- *1	10	1.8	ug/L		01/18/21 13:41	01/20/21 20:23	1
Benzoic acid	ND	*1	31	7.5	ug/L		01/18/21 13:41	01/20/21 20:23	1
Benzyl alcohol	ND		10	2.1	ug/L		01/18/21 13:41	01/20/21 20:23	1
Bis(2-chloroethoxy)methane	ND		10	0.17	ug/L		01/18/21 13:41	01/20/21 20:23	1
Bis(2-chloroethyl)ether	ND	*1	10	2.8	ug/L		01/18/21 13:41	01/20/21 20:23	1
bis (2-chloroisopropyl) ether	ND		10	0.17	ug/L		01/18/21 13:41	01/20/21 20:23	1
Bis(2-ethylhexyl) phthalate	ND		10	5.2	ug/L		01/18/21 13:41	01/20/21 20:23	1
4-Bromophenyl phenyl ether	ND		10	0.21	ug/L		01/18/21 13:41	01/20/21 20:23	1
Butyl benzyl phthalate	ND		10	0.20	ug/L		01/18/21 13:41	01/20/21 20:23	1
4-Chloroaniline	ND		10	3.5	ug/L		01/18/21 13:41	01/20/21 20:23	1
4-Chloro-3-methylphenol	ND		10	3.9	ug/L		01/18/21 13:41	01/20/21 20:23	1
2-Chloronaphthalene	ND		10	0.14	ug/L		01/18/21 13:41	01/20/21 20:23	1
2-Chlorophenol	ND		10	2.3	ug/L		01/18/21 13:41	01/20/21 20:23	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		01/18/21 13:41	01/20/21 20:23	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 20:23	1
Dibenzofuran	ND		10	0.18	ug/L		01/18/21 13:41	01/20/21 20:23	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		01/18/21 13:41	01/20/21 20:23	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		01/18/21 13:41	01/20/21 20:23	1
Diethyl phthalate	ND		10	0.25	ug/L		01/18/21 13:41	01/20/21 20:23	1
2,4-Dimethylphenol	ND		10	3.6	ug/L		01/18/21 13:41	01/20/21 20:23	1
Dimethyl phthalate	ND		10	0.18	ug/L		01/18/21 13:41	01/20/21 20:23	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		01/18/21 13:41	01/20/21 20:23	1
4,6-Dinitro-ortho-cresol	ND		10	1.7	ug/L		01/18/21 13:41	01/20/21 20:23	1
2,4-Dinitrophenol	ND		31	3.5	ug/L		01/18/21 13:41	01/20/21 20:23	1
2,4-Dinitrotoluene	ND		10	2.0	ug/L		01/18/21 13:41	01/20/21 20:23	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		01/18/21 13:41	01/20/21 20:23	1
Di-n-octyl phthalate	ND		10	0.18	ug/L		01/18/21 13:41	01/20/21 20:23	1
1,4-Dioxane	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 20:23	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 20:23	1
Hexachlorobenzene	ND		10	0.18	ug/L		01/18/21 13:41	01/20/21 20:23	1
Hexachlorocyclopentadiene	ND		21	2.7	ug/L		01/18/21 13:41	01/20/21 20:23	1
Hexachloroethane	ND		10	4.3	ug/L		01/18/21 13:41	01/20/21 20:23	1
Indene	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 20:23	1
Isophorone	ND		10	0.14	ug/L		01/18/21 13:41	01/20/21 20:23	1
2-Methylphenol	ND		10	1.9	ug/L		01/18/21 13:41	01/20/21 20:23	1
3 & 4 Methylphenol	ND		21	0.40	ug/L		01/18/21 13:41	01/20/21 20:23	1
2-Nitroaniline	ND		10	2.3	ug/L		01/18/21 13:41	01/20/21 20:23	1
3-Nitroaniline	ND		10	1.9	ug/L		01/18/21 13:41	01/20/21 20:23	1
4-Nitroaniline	ND		10	1.5	ug/L		01/18/21 13:41	01/20/21 20:23	1
Nitrobenzene	ND		10	0.13	ug/L		01/18/21 13:41	01/20/21 20:23	1
2-Nitrophenol	ND		10	5.4	ug/L		01/18/21 13:41	01/20/21 20:23	1
4-Nitrophenol	ND		10	2.2	ug/L		01/18/21 13:41	01/20/21 20:23	1
N-Nitrosodimethylamine	ND		10	3.6	ug/L		01/18/21 13:41	01/20/21 20:23	1

Client Sample ID: ROST4PZG-ROX-011321
Date Collected: 01/13/21 12:40
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		10	3.4	ug/L		01/18/21 13:41	01/20/21 20:23	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		01/18/21 13:41	01/20/21 20:23	1
Pentachlorophenol	ND		21	1.4	ug/L		01/18/21 13:41	01/20/21 20:23	1
Phenol	ND		10	2.7	ug/L		01/18/21 13:41	01/20/21 20:23	1
Pyridine	ND	UJ	10	3.3	ug/L		01/18/21 13:41	01/20/21 20:23	1
Quinoline	ND	*-*1 UJ	10	4.6	ug/L		01/18/21 13:41	01/20/21 20:23	1
2,4,5-Trichlorophenol	ND		10	3.8	ug/L		01/18/21 13:41	01/20/21 20:23	1
2,4,6-Trichlorophenol	ND		10	3.6	ug/L		01/18/21 13:41	01/20/21 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*46 - 124*	*01/18/21 13:41*	*01/20/21 20:23*	*1*
2-Fluorophenol	*40*		*13 - 113*	*01/18/21 13:41*	*01/20/21 20:23*	*1*
Nitrobenzene-d5	*52*		*36 - 126*	*01/18/21 13:41*	*01/20/21 20:23*	*1*
Phenol-d5	*48*		*17 - 127*	*01/18/21 13:41*	*01/20/21 20:23*	*1*
Terphenyl-d14	*59*		*44 - 149*	*01/18/21 13:41*	*01/20/21 20:23*	*1*
2,4,6-Tribromophenol	*66*		*26 - 150*	*01/18/21 13:41*	*01/20/21 20:23*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/22/21 12:09	01/22/21 16:06	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/22/21 12:09	01/22/21 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 16:06*	*1*

Client Sample ID: TB-ROX-011321-8260-B
Date Collected: 01/13/21 00:00
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/21 20:09	1
Acrolein	ND		20	10	ug/L			01/18/21 20:09	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/21 20:09	1
Benzene	ND		1.0	0.38	ug/L			01/18/21 20:09	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/21 20:09	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/21 20:09	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/21 20:09	1
Bromoform	ND		5.0	0.71	ug/L			01/18/21 20:09	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/21 20:09	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 20:09	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/21 20:09	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/21 20:09	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/21 20:09	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/21 20:09	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/21 20:09	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 20:09	1
Chloroform	ND		1.0	0.60	ug/L			01/18/21 20:09	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/21 20:09	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/21 20:09	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 20:09	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 20:09	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/21 20:09	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/21 20:09	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/21 20:09	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/21 20:09	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 20:09	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 20:09	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 20:09	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 20:09	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 20:09	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 20:09	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/21 20:09	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/21 20:09	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/21 20:09	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/21 20:09	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 20:09	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/21 20:09	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/21 20:09	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/21 20:09	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/21 20:09	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/21 20:09	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/21 20:09	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/21 20:09	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/18/21 20:09	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/21 20:09	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/21 20:09	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/21 20:09	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/21 20:09	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/21 20:09	1

Client Sample ID: TB-ROX-011321-8260-B
Date Collected: 01/13/21 00:00
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/21 20:09	1
Styrene	ND		1.0	1.0	ug/L			01/18/21 20:09	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/21 20:09	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/21 20:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/21 20:09	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/21 20:09	1
Toluene	ND		1.0	0.41	ug/L			01/18/21 20:09	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 20:09	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 20:09	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/21 20:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/21 20:09	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/21 20:09	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/21 20:09	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/21 20:09	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/21 20:09	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/21 20:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/21 20:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/21 20:09	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/21 20:09	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/21 20:09	1
Xylenes, Total	ND		10	1.6	ug/L			01/18/21 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/18/21 20:09*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*01/18/21 20:09*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*01/18/21 20:09*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: TB-ROX-011321-8011-B
Date Collected: 01/13/21 00:00
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-8
Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.029	0.0053	ug/L		01/22/21 12:09	01/22/21 16:26	1
1,2-Dibromoethane	ND		0.019	0.0049	ug/L		01/22/21 12:09	01/22/21 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 16:26*	*1*

Client Sample ID: P59-ROX-011321
Date Collected: 01/13/21 09:40
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		250	100	ug/L			01/18/21 21:04	10
Acrolein	ND		200	100	ug/L			01/18/21 21:04	10
Acrylonitrile	ND		100	28	ug/L			01/18/21 21:04	10
Benzene	**2100**		10	3.8	ug/L			01/18/21 21:04	10
Bromobenzene	ND		10	5.4	ug/L			01/18/21 21:04	10
Bromochloromethane	ND		10	5.2	ug/L			01/18/21 21:04	10
Bromodichloromethane	ND		10	5.0	ug/L			01/18/21 21:04	10
Bromoform	ND		50	7.1	ug/L			01/18/21 21:04	10
Bromomethane	ND		10	9.8	ug/L			01/18/21 21:04	10
2-Butanone (MEK)	ND		250	26	ug/L			01/18/21 21:04	10
Carbon disulfide	ND		10	5.0	ug/L			01/18/21 21:04	10
Carbon tetrachloride	ND		10	5.0	ug/L			01/18/21 21:04	10
Chlorobenzene	ND		10	5.0	ug/L			01/18/21 21:04	10
Dibromochloromethane	ND		10	5.0	ug/L			01/18/21 21:04	10
Chloroethane	ND		10	7.6	ug/L			01/18/21 21:04	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			01/18/21 21:04	10
Chloroform	ND		10	6.0	ug/L			01/18/21 21:04	10
1-Chlorohexane	ND		10	7.0	ug/L			01/18/21 21:04	10
Chloromethane	ND		10	8.3	ug/L			01/18/21 21:04	10
cis-1,2-Dichloroethene	ND		10	5.0	ug/L			01/18/21 21:04	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			01/18/21 21:04	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			01/18/21 21:04	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			01/18/21 21:04	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			01/18/21 21:04	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			01/18/21 21:04	10
1,1-Dichloroethane	ND		10	5.0	ug/L			01/18/21 21:04	10
1,2-Dichloroethane	ND		10	5.0	ug/L			01/18/21 21:04	10
1,1-Dichloroethene	ND		10	5.0	ug/L			01/18/21 21:04	10
1,2-Dichloropropane	ND		10	5.0	ug/L			01/18/21 21:04	10
1,3-Dichloropropane	ND		10	5.0	ug/L			01/18/21 21:04	10
2,2-Dichloropropane	ND		10	5.0	ug/L			01/18/21 21:04	10
1,1-Dichloropropene	ND		10	5.0	ug/L			01/18/21 21:04	10
Ethylbenzene	**140**		10	5.0	ug/L			01/18/21 21:04	10
Ethyl methacrylate	ND		10	6.0	ug/L			01/18/21 21:04	10
Hexachlorobutadiene	ND		50	9.0	ug/L			01/18/21 21:04	10
2-Hexanone	ND		250	31	ug/L			01/18/21 21:04	10
Isopropylbenzene	**19**		10	5.3	ug/L			01/18/21 21:04	10
Methylene bromide	ND		50	5.9	ug/L			01/18/21 21:04	10
Methylene Chloride	ND		50	30	ug/L			01/18/21 21:04	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			01/18/21 21:04	10
Methyl tert-butyl ether	ND		10	7.4	ug/L			01/18/21 21:04	10
m-Xylene & p-Xylene	**140**		50	16	ug/L			01/18/21 21:04	10
Naphthalene	**100**		10	10	ug/L			01/18/21 21:04	10
n-Butylbenzene	ND	*+	10	7.6	ug/L			01/18/21 21:04	10
N-Propylbenzene	**31**		10	6.9	ug/L			01/18/21 21:04	10
o-Chlorotoluene	ND		10	5.7	ug/L			01/18/21 21:04	10
o-Xylene	**7.0**	J	50	6.0	ug/L			01/18/21 21:04	10
p-Chlorotoluene	ND		10	5.6	ug/L			01/18/21 21:04	10
p-Isopropyltoluene	ND		10	7.1	ug/L			01/18/21 21:04	10

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: P59-ROX-011321
Date Collected: 01/13/21 09:40
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		10	7.0	ug/L			01/18/21 21:04	10
Styrene	ND		10	10	ug/L			01/18/21 21:04	10
tert-Butylbenzene	ND		10	6.3	ug/L			01/18/21 21:04	10
1,1,1,2-Tetrachloroethane	ND		10	5.2	ug/L			01/18/21 21:04	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			01/18/21 21:04	10
Tetrachloroethene	ND		10	5.8	ug/L			01/18/21 21:04	10
Toluene	94		10	4.1	ug/L			01/18/21 21:04	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			01/18/21 21:04	10
trans-1,3-Dichloropropene	ND		50	5.0	ug/L			01/18/21 21:04	10
1,2,3-Trichlorobenzene	ND		10	7.0	ug/L			01/18/21 21:04	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			01/18/21 21:04	10
1,1,1-Trichloroethane	ND		10	5.0	ug/L			01/18/21 21:04	10
1,1,2-Trichloroethane	ND		50	5.0	ug/L			01/18/21 21:04	10
Trichloroethene	ND		10	5.0	ug/L			01/18/21 21:04	10
Trichlorofluoromethane	ND		10	5.2	ug/L			01/18/21 21:04	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			01/18/21 21:04	10
1,2,4-Trimethylbenzene	91		10	8.2	ug/L			01/18/21 21:04	10
1,3,5-Trimethylbenzene	30		10	5.6	ug/L			01/18/21 21:04	10
Vinyl acetate	ND		250	20	ug/L			01/18/21 21:04	10
Vinyl chloride	ND		10	5.0	ug/L			01/18/21 21:04	10
Xylenes, Total	150		100	16	ug/L			01/18/21 21:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/18/21 21:04*	*10*
Dibromofluoromethane	*98*		*81 - 121*		*01/18/21 21:04*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*01/18/21 21:04*	*10*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.20		0.19	0.030	ug/L		01/18/21 13:41	01/20/21 13:58	1
Acenaphthylene	ND		0.19	0.042	ug/L		01/18/21 13:41	01/20/21 13:58	1
Anthracene	0.26	B	0.19	0.030	ug/L		01/18/21 13:41	01/20/21 13:58	1
Benzo[a]anthracene	~~0.17~~	J B U	0.19	0.043	ug/L		01/18/21 13:41	01/20/21 13:58	1
Benzo[a]pyrene	~~0.13~~	J B U	0.19	0.040	ug/L		01/18/21 13:41	01/20/21 13:58	1
Benzo[b]fluoranthene	~~0.11~~	J B U	0.19	0.032	ug/L		01/18/21 13:41	01/20/21 13:58	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/18/21 13:41	01/20/21 13:58	1
Benzo[k]fluoranthene	ND		0.19	0.094	ug/L		01/18/21 13:41	01/20/21 13:58	1
Chrysene	0.12	J	0.19	0.070	ug/L		01/18/21 13:41	01/20/21 13:58	1
Dibenz(a,h)anthracene	0.21		0.19	0.047	ug/L		01/18/21 13:41	01/20/21 13:58	1
Fluoranthene	~~0.20~~	B U	0.19	0.064	ug/L		01/18/21 13:41	01/20/21 13:58	1
Fluorene	0.51		0.19	0.10	ug/L		01/18/21 13:41	01/20/21 13:58	1
Indeno[1,2,3-cd]pyrene	0.089	J	0.19	0.040	ug/L		01/18/21 13:41	01/20/21 13:58	1
1-Methylnaphthalene	10		0.19	0.070	ug/L		01/18/21 13:41	01/20/21 13:58	1
2-Methylnaphthalene	14		0.19	0.056	ug/L		01/18/21 13:41	01/20/21 13:58	1
Phenanthrene	0.56		0.19	0.034	ug/L		01/18/21 13:41	01/20/21 13:58	1
Pyrene	0.37	B	0.19	0.038	ug/L		01/18/21 13:41	01/20/21 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*15 - 122*	*01/18/21 13:41*	*01/20/21 13:58*	*1*
Nitrobenzene-d5	*65*		*19 - 130*	*01/18/21 13:41*	*01/20/21 13:58*	*1*

Client Sample ID: P59-ROX-011321
Date Collected: 01/13/21 09:40
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-9
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*78*		*33 - 138*	*01/18/21 13:41*	*01/20/21 13:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.4	3.6	ug/L		01/18/21 13:41	01/20/21 20:49	1
Benzenethiol	ND	*- *1	9.4	1.6	ug/L		01/18/21 13:41	01/20/21 20:49	1
Benzoic acid	ND	*1	28	6.9	ug/L		01/18/21 13:41	01/20/21 20:49	1
Benzyl alcohol	ND		9.4	1.9	ug/L		01/18/21 13:41	01/20/21 20:49	1
Bis(2-chloroethoxy)methane	ND		9.4	0.15	ug/L		01/18/21 13:41	01/20/21 20:49	1
Bis(2-chloroethyl)ether	ND	*1	9.4	2.5	ug/L		01/18/21 13:41	01/20/21 20:49	1
bis (2-chloroisopropyl) ether	ND		9.4	0.15	ug/L		01/18/21 13:41	01/20/21 20:49	1
Bis(2-ethylhexyl) phthalate	ND		9.4	4.7	ug/L		01/18/21 13:41	01/20/21 20:49	1
4-Bromophenyl phenyl ether	ND		9.4	0.19	ug/L		01/18/21 13:41	01/20/21 20:49	1
Butyl benzyl phthalate	ND		9.4	0.18	ug/L		01/18/21 13:41	01/20/21 20:49	1
4-Chloroaniline	ND		9.4	3.2	ug/L		01/18/21 13:41	01/20/21 20:49	1
4-Chloro-3-methylphenol	ND		9.4	3.6	ug/L		01/18/21 13:41	01/20/21 20:49	1
2-Chloronaphthalene	ND		9.4	0.13	ug/L		01/18/21 13:41	01/20/21 20:49	1
2-Chlorophenol	ND		9.4	2.1	ug/L		01/18/21 13:41	01/20/21 20:49	1
4-Chlorophenyl phenyl ether	ND		9.4	1.9	ug/L		01/18/21 13:41	01/20/21 20:49	1
Dibenz[a,h]acridine	ND		9.4	0.94	ug/L		01/18/21 13:41	01/20/21 20:49	1
Dibenzofuran	ND		9.4	0.16	ug/L		01/18/21 13:41	01/20/21 20:49	1
3,3'-Dichlorobenzidine	ND		9.4	2.4	ug/L		01/18/21 13:41	01/20/21 20:49	1
2,4-Dichlorophenol	ND		9.4	2.8	ug/L		01/18/21 13:41	01/20/21 20:49	1
Diethyl phthalate	ND		9.4	0.23	ug/L		01/18/21 13:41	01/20/21 20:49	1
2,4-Dimethylphenol	**5.1**	J	9.4	3.3	ug/L		01/18/21 13:41	01/20/21 20:49	1
Dimethyl phthalate	ND		9.4	0.16	ug/L		01/18/21 13:41	01/20/21 20:49	1
Di-n-butyl phthalate	ND		9.4	2.5	ug/L		01/18/21 13:41	01/20/21 20:49	1
4,6-Dinitro-ortho-cresol	ND		9.4	1.5	ug/L		01/18/21 13:41	01/20/21 20:49	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		01/18/21 13:41	01/20/21 20:49	1
2,4-Dinitrotoluene	ND		9.4	1.8	ug/L		01/18/21 13:41	01/20/21 20:49	1
2,6-Dinitrotoluene	ND		9.4	1.8	ug/L		01/18/21 13:41	01/20/21 20:49	1
Di-n-octyl phthalate	ND		9.4	0.16	ug/L		01/18/21 13:41	01/20/21 20:49	1
1,4-Dioxane	ND		9.4	0.94	ug/L		01/18/21 13:41	01/20/21 20:49	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.4	0.94	ug/L		01/18/21 13:41	01/20/21 20:49	1
Hexachlorobenzene	ND		9.4	0.16	ug/L		01/18/21 13:41	01/20/21 20:49	1
Hexachlorocyclopentadiene	ND		19	2.4	ug/L		01/18/21 13:41	01/20/21 20:49	1
Hexachloroethane	ND		9.4	4.0	ug/L		01/18/21 13:41	01/20/21 20:49	1
Indene	ND		9.4	0.94	ug/L		01/18/21 13:41	01/20/21 20:49	1
Isophorone	ND		9.4	0.13	ug/L		01/18/21 13:41	01/20/21 20:49	1
2-Methylphenol	ND		9.4	1.7	ug/L		01/18/21 13:41	01/20/21 20:49	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/18/21 13:41	01/20/21 20:49	1
2-Nitroaniline	ND		9.4	2.1	ug/L		01/18/21 13:41	01/20/21 20:49	1
3-Nitroaniline	ND		9.4	1.7	ug/L		01/18/21 13:41	01/20/21 20:49	1
4-Nitroaniline	ND		9.4	1.4	ug/L		01/18/21 13:41	01/20/21 20:49	1
Nitrobenzene	ND		9.4	0.12	ug/L		01/18/21 13:41	01/20/21 20:49	1
2-Nitrophenol	ND		9.4	4.9	ug/L		01/18/21 13:41	01/20/21 20:49	1
4-Nitrophenol	ND		9.4	2.0	ug/L		01/18/21 13:41	01/20/21 20:49	1
N-Nitrosodimethylamine	ND		9.4	3.3	ug/L		01/18/21 13:41	01/20/21 20:49	1

Client Sample ID: P59-ROX-011321
Date Collected: 01/13/21 09:40
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.4	3.1	ug/L		01/18/21 13:41	01/20/21 20:49	1
N-Nitrosodiphenylamine	ND		9.4	0.17	ug/L		01/18/21 13:41	01/20/21 20:49	1
Pentachlorophenol	ND		19	1.3	ug/L		01/18/21 13:41	01/20/21 20:49	1
Phenol	34		9.4	2.4	ug/L		01/18/21 13:41	01/20/21 20:49	1
Pyridine	ND	UJ	9.4	3.0	ug/L		01/18/21 13:41	01/20/21 20:49	1
Quinoline	ND	*-*1 UJ	9.4	4.2	ug/L		01/18/21 13:41	01/20/21 20:49	1
2,4,5-Trichlorophenol	ND		9.4	3.5	ug/L		01/18/21 13:41	01/20/21 20:49	1
2,4,6-Trichlorophenol	ND		9.4	3.3	ug/L		01/18/21 13:41	01/20/21 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*46 - 124*	*01/18/21 13:41*	*01/20/21 20:49*	*1*
2-Fluorophenol	*48*		*13 - 113*	*01/18/21 13:41*	*01/20/21 20:49*	*1*
Nitrobenzene-d5	*57*		*36 - 126*	*01/18/21 13:41*	*01/20/21 20:49*	*1*
Phenol-d5	*56*		*17 - 127*	*01/18/21 13:41*	*01/20/21 20:49*	*1*
Terphenyl-d14	*64*		*44 - 149*	*01/18/21 13:41*	*01/20/21 20:49*	*1*
2,4,6-Tribromophenol	*79*		*26 - 150*	*01/18/21 13:41*	*01/20/21 20:49*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/22/21 12:09	01/22/21 16:46	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/22/21 12:09	01/22/21 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 16:46*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: P57-ROX-011321-EB
Date Collected: 01/13/21 10:00
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/21 20:36	1
Acrolein	ND		20	10	ug/L			01/18/21 20:36	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/21 20:36	1
Benzene	ND		1.0	0.38	ug/L			01/18/21 20:36	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/21 20:36	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/21 20:36	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/21 20:36	1
Bromoform	ND		5.0	0.71	ug/L			01/18/21 20:36	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/21 20:36	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 20:36	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/21 20:36	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/21 20:36	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/21 20:36	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/21 20:36	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/21 20:36	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 20:36	1
Chloroform	ND		1.0	0.60	ug/L			01/18/21 20:36	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/21 20:36	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/21 20:36	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 20:36	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 20:36	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/21 20:36	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/21 20:36	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/21 20:36	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/21 20:36	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 20:36	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 20:36	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 20:36	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 20:36	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 20:36	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 20:36	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/21 20:36	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/21 20:36	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/21 20:36	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/21 20:36	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 20:36	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/21 20:36	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/21 20:36	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/21 20:36	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/21 20:36	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/21 20:36	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/21 20:36	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/21 20:36	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/18/21 20:36	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/21 20:36	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/21 20:36	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/21 20:36	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/21 20:36	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/21 20:36	1

Client Sample ID: P57-ROX-011321-EB
Date Collected: 01/13/21 10:00
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/21 20:36	1
Styrene	ND		1.0	1.0	ug/L			01/18/21 20:36	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/21 20:36	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/21 20:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/21 20:36	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/21 20:36	1
Toluene	ND		1.0	0.41	ug/L			01/18/21 20:36	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 20:36	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 20:36	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/21 20:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/21 20:36	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/21 20:36	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/21 20:36	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/21 20:36	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/21 20:36	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/21 20:36	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/21 20:36	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/21 20:36	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/21 20:36	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/21 20:36	1
Xylenes, Total	ND		10	1.6	ug/L			01/18/21 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*01/18/21 20:36*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/18/21 20:36*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*01/18/21 20:36*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.030	ug/L		01/18/21 13:41	01/20/21 14:13	1
Acenaphthylene	ND		0.19	0.042	ug/L		01/18/21 13:41	01/20/21 14:13	1
Anthracene	ND		0.19	0.030	ug/L		01/18/21 13:41	01/20/21 14:13	1
Benzo[a]anthracene	ND		0.19	0.043	ug/L		01/18/21 13:41	01/20/21 14:13	1
Benzo[a]pyrene	ND		0.19	0.039	ug/L		01/18/21 13:41	01/20/21 14:13	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		01/18/21 13:41	01/20/21 14:13	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/18/21 13:41	01/20/21 14:13	1
Benzo[k]fluoranthene	ND		0.19	0.093	ug/L		01/18/21 13:41	01/20/21 14:13	1
Chrysene	ND		0.19	0.069	ug/L		01/18/21 13:41	01/20/21 14:13	1
Dibenz(a,h)anthracene	ND		0.19	0.047	ug/L		01/18/21 13:41	01/20/21 14:13	1
Fluoranthene	ND		0.19	0.063	ug/L		01/18/21 13:41	01/20/21 14:13	1
Fluorene	ND		0.19	0.10	ug/L		01/18/21 13:41	01/20/21 14:13	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.040	ug/L		01/18/21 13:41	01/20/21 14:13	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		01/18/21 13:41	01/20/21 14:13	1
2-Methylnaphthalene	ND		0.19	0.056	ug/L		01/18/21 13:41	01/20/21 14:13	1
Phenanthrene	ND		0.19	0.034	ug/L		01/18/21 13:41	01/20/21 14:13	1
Pyrene	ND		0.19	0.037	ug/L		01/18/21 13:41	01/20/21 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*15 - 122*	*01/18/21 13:41*	*01/20/21 14:13*	*1*
Nitrobenzene-d5	*64*		*19 - 130*	*01/18/21 13:41*	*01/20/21 14:13*	*1*

Client Sample ID: P57-ROX-011321-EB
Date Collected: 01/13/21 10:00
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-10
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*65*		*33 - 138*	*01/18/21 13:41*	*01/20/21 14:13*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.3	3.5	ug/L		01/18/21 13:41	01/20/21 21:16	1
Benzenethiol	ND	*- *1	9.3	1.6	ug/L		01/18/21 13:41	01/20/21 21:16	1
Benzoic acid	ND	*1	28	6.8	ug/L		01/18/21 13:41	01/20/21 21:16	1
Benzyl alcohol	ND		9.3	1.9	ug/L		01/18/21 13:41	01/20/21 21:16	1
Bis(2-chloroethoxy)methane	ND		9.3	0.15	ug/L		01/18/21 13:41	01/20/21 21:16	1
Bis(2-chloroethyl)ether	ND	*1	9.3	2.5	ug/L		01/18/21 13:41	01/20/21 21:16	1
bis (2-chloroisopropyl) ether	ND		9.3	0.15	ug/L		01/18/21 13:41	01/20/21 21:16	1
Bis(2-ethylhexyl) phthalate	ND		9.3	4.7	ug/L		01/18/21 13:41	01/20/21 21:16	1
4-Bromophenyl phenyl ether	ND		9.3	0.19	ug/L		01/18/21 13:41	01/20/21 21:16	1
Butyl benzyl phthalate	ND		9.3	0.18	ug/L		01/18/21 13:41	01/20/21 21:16	1
4-Chloroaniline	ND		9.3	3.2	ug/L		01/18/21 13:41	01/20/21 21:16	1
4-Chloro-3-methylphenol	ND		9.3	3.5	ug/L		01/18/21 13:41	01/20/21 21:16	1
2-Chloronaphthalene	ND		9.3	0.13	ug/L		01/18/21 13:41	01/20/21 21:16	1
2-Chlorophenol	ND		9.3	2.0	ug/L		01/18/21 13:41	01/20/21 21:16	1
4-Chlorophenyl phenyl ether	ND		9.3	1.9	ug/L		01/18/21 13:41	01/20/21 21:16	1
Dibenz[a,h]acridine	ND		9.3	0.93	ug/L		01/18/21 13:41	01/20/21 21:16	1
Dibenzofuran	ND		9.3	0.16	ug/L		01/18/21 13:41	01/20/21 21:16	1
3,3'-Dichlorobenzidine	ND		9.3	2.4	ug/L		01/18/21 13:41	01/20/21 21:16	1
2,4-Dichlorophenol	ND		9.3	2.8	ug/L		01/18/21 13:41	01/20/21 21:16	1
Diethyl phthalate	ND		9.3	0.22	ug/L		01/18/21 13:41	01/20/21 21:16	1
2,4-Dimethylphenol	ND		9.3	3.3	ug/L		01/18/21 13:41	01/20/21 21:16	1
Dimethyl phthalate	ND		9.3	0.16	ug/L		01/18/21 13:41	01/20/21 21:16	1
Di-n-butyl phthalate	ND		9.3	2.5	ug/L		01/18/21 13:41	01/20/21 21:16	1
4,6-Dinitro-ortho-cresol	ND		9.3	1.5	ug/L		01/18/21 13:41	01/20/21 21:16	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		01/18/21 13:41	01/20/21 21:16	1
2,4-Dinitrotoluene	ND		9.3	1.8	ug/L		01/18/21 13:41	01/20/21 21:16	1
2,6-Dinitrotoluene	ND		9.3	1.8	ug/L		01/18/21 13:41	01/20/21 21:16	1
Di-n-octyl phthalate	ND		9.3	0.16	ug/L		01/18/21 13:41	01/20/21 21:16	1
1,4-Dioxane	ND		9.3	0.93	ug/L		01/18/21 13:41	01/20/21 21:16	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.3	0.93	ug/L		01/18/21 13:41	01/20/21 21:16	1
Hexachlorobenzene	ND		9.3	0.16	ug/L		01/18/21 13:41	01/20/21 21:16	1
Hexachlorocyclopentadiene	ND		19	2.4	ug/L		01/18/21 13:41	01/20/21 21:16	1
Hexachloroethane	ND		9.3	3.9	ug/L		01/18/21 13:41	01/20/21 21:16	1
Indene	ND		9.3	0.93	ug/L		01/18/21 13:41	01/20/21 21:16	1
Isophorone	ND		9.3	0.13	ug/L		01/18/21 13:41	01/20/21 21:16	1
2-Methylphenol	ND		9.3	1.7	ug/L		01/18/21 13:41	01/20/21 21:16	1
3 & 4 Methylphenol	ND		19	0.36	ug/L		01/18/21 13:41	01/20/21 21:16	1
2-Nitroaniline	ND		9.3	2.0	ug/L		01/18/21 13:41	01/20/21 21:16	1
3-Nitroaniline	ND		9.3	1.7	ug/L		01/18/21 13:41	01/20/21 21:16	1
4-Nitroaniline	ND		9.3	1.4	ug/L		01/18/21 13:41	01/20/21 21:16	1
Nitrobenzene	ND		9.3	0.12	ug/L		01/18/21 13:41	01/20/21 21:16	1
2-Nitrophenol	ND		9.3	4.8	ug/L		01/18/21 13:41	01/20/21 21:16	1
4-Nitrophenol	ND		9.3	2.0	ug/L		01/18/21 13:41	01/20/21 21:16	1
N-Nitrosodimethylamine	ND		9.3	3.3	ug/L		01/18/21 13:41	01/20/21 21:16	1

Client Sample ID: P57-ROX-011321-EB
Date Collected: 01/13/21 10:00
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.3	3.1	ug/L		01/18/21 13:41	01/20/21 21:16	1
N-Nitrosodiphenylamine	ND		9.3	0.17	ug/L		01/18/21 13:41	01/20/21 21:16	1
Pentachlorophenol	ND		19	1.3	ug/L		01/18/21 13:41	01/20/21 21:16	1
Phenol	ND		9.3	2.4	ug/L		01/18/21 13:41	01/20/21 21:16	1
Pyridine	ND		9.3	3.0	ug/L		01/18/21 13:41	01/20/21 21:16	1
Quinoline	ND	*- *1	9.3	4.2	ug/L		01/18/21 13:41	01/20/21 21:16	1
2,4,5-Trichlorophenol	ND		9.3	3.4	ug/L		01/18/21 13:41	01/20/21 21:16	1
2,4,6-Trichlorophenol	ND		9.3	3.3	ug/L		01/18/21 13:41	01/20/21 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*46 - 124*	*01/18/21 13:41*	*01/20/21 21:16*	*1*
2-Fluorophenol	*47*		*13 - 113*	*01/18/21 13:41*	*01/20/21 21:16*	*1*
Nitrobenzene-d5	*49*		*36 - 126*	*01/18/21 13:41*	*01/20/21 21:16*	*1*
Phenol-d5	*51*		*17 - 127*	*01/18/21 13:41*	*01/20/21 21:16*	*1*
Terphenyl-d14	*60*		*44 - 149*	*01/18/21 13:41*	*01/20/21 21:16*	*1*
2,4,6-Tribromophenol	*62*		*26 - 150*	*01/18/21 13:41*	*01/20/21 21:16*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/22/21 12:09	01/22/21 17:06	1
1,2-Dibromoethane	ND		0.021	0.0051	ug/L		01/22/21 12:09	01/22/21 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 17:06*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: P57-ROX-011321
Date Collected: 01/13/21 11:10
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/27/21 14:40	1
Acrolein	ND		20	10	ug/L			01/27/21 14:40	1
Acrylonitrile	ND		10	2.8	ug/L			01/27/21 14:40	1
Benzene	**110**	J	1.0	0.38	ug/L			01/27/21 14:40	1
Bromobenzene	ND		1.0	0.54	ug/L			01/27/21 14:40	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/27/21 14:40	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/27/21 14:40	1
Bromoform	ND		5.0	0.71	ug/L			01/27/21 14:40	1
Bromomethane	ND		1.0	0.98	ug/L			01/27/21 14:40	1
2-Butanone (MEK)	**3.0**	J	25	2.6	ug/L			01/27/21 14:40	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/27/21 14:40	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/27/21 14:40	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/27/21 14:40	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/27/21 14:40	1
Chloroethane	ND		1.0	0.76	ug/L			01/27/21 14:40	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/27/21 14:40	1
Chloroform	ND		1.0	0.60	ug/L			01/27/21 14:40	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/27/21 14:40	1
Chloromethane	ND		1.0	0.83	ug/L			01/27/21 14:40	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 14:40	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 14:40	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/27/21 14:40	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/27/21 14:40	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/27/21 14:40	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/27/21 14:40	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 14:40	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 14:40	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 14:40	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 14:40	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 14:40	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 14:40	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/27/21 14:40	1
Ethylbenzene	**1.5**		1.0	0.50	ug/L			01/27/21 14:40	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/27/21 14:40	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/27/21 14:40	1
2-Hexanone	ND		25	3.1	ug/L			01/27/21 14:40	1
Isopropylbenzene	**23**		1.0	0.53	ug/L			01/27/21 14:40	1
Methylene bromide	ND		5.0	0.59	ug/L			01/27/21 14:40	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/27/21 14:40	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/27/21 14:40	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/27/21 14:40	1
m-Xylene & p-Xylene	**2.2**	J	5.0	1.6	ug/L			01/27/21 14:40	1
Naphthalene	**55**		1.0	1.0	ug/L			01/27/21 14:40	1
n-Butylbenzene	**3.5**	*+	1.0	0.76	ug/L			01/27/21 14:40	1
N-Propylbenzene	**25**		1.0	0.69	ug/L			01/27/21 14:40	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/27/21 14:40	1
o-Xylene	ND		5.0	0.60	ug/L			01/27/21 14:40	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/27/21 14:40	1
p-Isopropyltoluene	**0.74**	J *+	1.0	0.71	ug/L			01/27/21 14:40	1

Client Sample ID: P57-ROX-011321
Date Collected: 01/13/21 11:10
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	5.3		1.0	0.70	ug/L			01/27/21 14:40	1
Styrene	ND		1.0	1.0	ug/L			01/27/21 14:40	1
tert-Butylbenzene	6.1		1.0	0.63	ug/L			01/27/21 14:40	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/27/21 14:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/27/21 14:40	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/27/21 14:40	1
Toluene	6.2		1.0	0.41	ug/L			01/27/21 14:40	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 14:40	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 14:40	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/27/21 14:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/27/21 14:40	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/27/21 14:40	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/27/21 14:40	1
Trichloroethene	ND		1.0	0.50	ug/L			01/27/21 14:40	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/27/21 14:40	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/27/21 14:40	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/27/21 14:40	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/27/21 14:40	1
Vinyl acetate	ND		25	2.0	ug/L			01/27/21 14:40	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/27/21 14:40	1
Xylenes, Total	2.5	J	10	1.6	ug/L			01/27/21 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*01/27/21 14:40*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/27/21 14:40*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/27/21 14:40*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	3.0	H J	1.0	0.76	ug/L			01/28/21 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*01/28/21 12:08*	*1*
Dibromofluoromethane	*108*		*81 - 121*		*01/28/21 12:08*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/28/21 12:08*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.23		0.19	0.031	ug/L		01/18/21 13:41	01/20/21 14:29	1
Acenaphthylene	ND		0.19	0.043	ug/L		01/18/21 13:41	01/20/21 14:29	1
Anthracene	ND		0.19	0.031	ug/L		01/18/21 13:41	01/20/21 14:29	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		01/18/21 13:41	01/20/21 14:29	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		01/18/21 13:41	01/20/21 14:29	1
Benzo[b]fluoranthene	ND		0.19	0.033	ug/L		01/18/21 13:41	01/20/21 14:29	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/18/21 13:41	01/20/21 14:29	1
Benzo[k]fluoranthene	ND		0.19	0.096	ug/L		01/18/21 13:41	01/20/21 14:29	1
Chrysene	ND		0.19	0.071	ug/L		01/18/21 13:41	01/20/21 14:29	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		01/18/21 13:41	01/20/21 14:29	1
Fluoranthene	ND		0.19	0.065	ug/L		01/18/21 13:41	01/20/21 14:29	1
Fluorene	0.40		0.19	0.11	ug/L		01/18/21 13:41	01/20/21 14:29	1

Client Sample ID: P57-ROX-011321
Date Collected: 01/13/21 11:10
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-11
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		01/18/21 13:41	01/20/21 14:29	1
1-Methylnaphthalene	13		0.19	0.071	ug/L		01/18/21 13:41	01/20/21 14:29	1
2-Methylnaphthalene	14		0.19	0.058	ug/L		01/18/21 13:41	01/20/21 14:29	1
Phenanthrene	0.22		0.19	0.035	ug/L		01/18/21 13:41	01/20/21 14:29	1
Pyrene	ND		0.19	0.038	ug/L		01/18/21 13:41	01/20/21 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*15 - 122*	*01/18/21 13:41*	*01/20/21 14:29*	*1*
Nitrobenzene-d5	*65*		*19 - 130*	*01/18/21 13:41*	*01/20/21 14:29*	*1*
Terphenyl-d14	*61*		*33 - 138*	*01/18/21 13:41*	*01/20/21 14:29*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.6	3.6	ug/L		01/18/21 13:41	01/20/21 21:42	1
Benzenethiol	ND	*- *1 UJ	9.6	1.6	ug/L		01/18/21 13:41	01/20/21 21:42	1
Benzoic acid	ND	*1	29	7.0	ug/L		01/18/21 13:41	01/20/21 21:42	1
Benzyl alcohol	ND		9.6	1.9	ug/L		01/18/21 13:41	01/20/21 21:42	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		01/18/21 13:41	01/20/21 21:42	1
Bis(2-chloroethyl)ether	ND	*1	9.6	2.6	ug/L		01/18/21 13:41	01/20/21 21:42	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		01/18/21 13:41	01/20/21 21:42	1
Bis(2-ethylhexyl) phthalate	ND		9.6	4.8	ug/L		01/18/21 13:41	01/20/21 21:42	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		01/18/21 13:41	01/20/21 21:42	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		01/18/21 13:41	01/20/21 21:42	1
4-Chloroaniline	ND		9.6	3.3	ug/L		01/18/21 13:41	01/20/21 21:42	1
4-Chloro-3-methylphenol	ND		9.6	3.6	ug/L		01/18/21 13:41	01/20/21 21:42	1
2-Chloronaphthalene	ND		9.6	0.13	ug/L		01/18/21 13:41	01/20/21 21:42	1
2-Chlorophenol	ND		9.6	2.1	ug/L		01/18/21 13:41	01/20/21 21:42	1
4-Chlorophenyl phenyl ether	ND		9.6	1.9	ug/L		01/18/21 13:41	01/20/21 21:42	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		01/18/21 13:41	01/20/21 21:42	1
Dibenzofuran	0.39	J	9.6	0.16	ug/L		01/18/21 13:41	01/20/21 21:42	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		01/18/21 13:41	01/20/21 21:42	1
2,4-Dichlorophenol	ND		9.6	2.9	ug/L		01/18/21 13:41	01/20/21 21:42	1
Diethyl phthalate	ND		9.6	0.23	ug/L		01/18/21 13:41	01/20/21 21:42	1
2,4-Dimethylphenol	ND		9.6	3.4	ug/L		01/18/21 13:41	01/20/21 21:42	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		01/18/21 13:41	01/20/21 21:42	1
Di-n-butyl phthalate	ND		9.6	2.6	ug/L		01/18/21 13:41	01/20/21 21:42	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		01/18/21 13:41	01/20/21 21:42	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		01/18/21 13:41	01/20/21 21:42	1
2,4-Dinitrotoluene	ND		9.6	1.8	ug/L		01/18/21 13:41	01/20/21 21:42	1
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		01/18/21 13:41	01/20/21 21:42	1
Di-n-octyl phthalate	ND		9.6	0.16	ug/L		01/18/21 13:41	01/20/21 21:42	1
1,4-Dioxane	ND		9.6	0.96	ug/L		01/18/21 13:41	01/20/21 21:42	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.96	ug/L		01/18/21 13:41	01/20/21 21:42	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		01/18/21 13:41	01/20/21 21:42	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/18/21 13:41	01/20/21 21:42	1
Hexachloroethane	ND		9.6	4.0	ug/L		01/18/21 13:41	01/20/21 21:42	1
Indene	ND		9.6	0.96	ug/L		01/18/21 13:41	01/20/21 21:42	1
Isophorone	ND		9.6	0.13	ug/L		01/18/21 13:41	01/20/21 21:42	1
2-Methylphenol	ND		9.6	1.7	ug/L		01/18/21 13:41	01/20/21 21:42	1

Client Sample ID: P57-ROX-011321
Date Collected: 01/13/21 11:10
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-11
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/18/21 13:41	01/20/21 21:42	1
2-Nitroaniline	ND		9.6	2.1	ug/L		01/18/21 13:41	01/20/21 21:42	1
3-Nitroaniline	ND		9.6	1.7	ug/L		01/18/21 13:41	01/20/21 21:42	1
4-Nitroaniline	ND		9.6	1.4	ug/L		01/18/21 13:41	01/20/21 21:42	1
Nitrobenzene	ND		9.6	0.12	ug/L		01/18/21 13:41	01/20/21 21:42	1
2-Nitrophenol	ND		9.6	5.0	ug/L		01/18/21 13:41	01/20/21 21:42	1
4-Nitrophenol	ND		9.6	2.0	ug/L		01/18/21 13:41	01/20/21 21:42	1
N-Nitrosodimethylamine	ND		9.6	3.4	ug/L		01/18/21 13:41	01/20/21 21:42	1
N-Nitrosodi-n-propylamine	ND		9.6	3.2	ug/L		01/18/21 13:41	01/20/21 21:42	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		01/18/21 13:41	01/20/21 21:42	1
Pentachlorophenol	ND		19	1.3	ug/L		01/18/21 13:41	01/20/21 21:42	1
Phenol	25	J	9.6	2.5	ug/L		01/18/21 13:41	01/20/21 21:42	1
Pyridine	ND	UJ	9.6	3.1	ug/L		01/18/21 13:41	01/20/21 21:42	1
Quinoline	ND	*-1 UJ	9.6	4.3	ug/L		01/18/21 13:41	01/20/21 21:42	1
2,4,5-Trichlorophenol	ND		9.6	3.6	ug/L		01/18/21 13:41	01/20/21 21:42	1
2,4,6-Trichlorophenol	ND		9.6	3.4	ug/L		01/18/21 13:41	01/20/21 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*46 - 124*	*01/18/21 13:41*	*01/20/21 21:42*	*1*
2-Fluorophenol	*29*		*13 - 113*	*01/18/21 13:41*	*01/20/21 21:42*	*1*
Nitrobenzene-d5	*48*		*36 - 126*	*01/18/21 13:41*	*01/20/21 21:42*	*1*
Phenol-d5	*45*		*17 - 127*	*01/18/21 13:41*	*01/20/21 21:42*	*1*
Terphenyl-d14	*48*		*44 - 149*	*01/18/21 13:41*	*01/20/21 21:42*	*1*
2,4,6-Tribromophenol	*64*		*26 - 150*	*01/18/21 13:41*	*01/20/21 21:42*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/22/21 12:09	01/22/21 17:25	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/22/21 12:09	01/22/21 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*79*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 17:25*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: P57-ROX-011321-DUP
Date Collected: 01/13/21 11:10
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-12
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/27/21 15:07	1
Acrolein	ND		20	10	ug/L			01/27/21 15:07	1
Acrylonitrile	ND		10	2.8	ug/L			01/27/21 15:07	1
Benzene	270	J	1.0	0.38	ug/L			01/27/21 15:07	1
Bromobenzene	ND		1.0	0.54	ug/L			01/27/21 15:07	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/27/21 15:07	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/27/21 15:07	1
Bromoform	ND		5.0	0.71	ug/L			01/27/21 15:07	1
Bromomethane	ND		1.0	0.98	ug/L			01/27/21 15:07	1
2-Butanone (MEK)	3.1	J	25	2.6	ug/L			01/27/21 15:07	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/27/21 15:07	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/27/21 15:07	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/27/21 15:07	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/27/21 15:07	1
Chloroethane	ND		1.0	0.76	ug/L			01/27/21 15:07	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/27/21 15:07	1
Chloroform	ND		1.0	0.60	ug/L			01/27/21 15:07	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/27/21 15:07	1
Chloromethane	ND		1.0	0.83	ug/L			01/27/21 15:07	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 15:07	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 15:07	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/27/21 15:07	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/27/21 15:07	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/27/21 15:07	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/27/21 15:07	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 15:07	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 15:07	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 15:07	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 15:07	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 15:07	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 15:07	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/27/21 15:07	1
Ethylbenzene	2.2		1.0	0.50	ug/L			01/27/21 15:07	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/27/21 15:07	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/27/21 15:07	1
2-Hexanone	ND		25	3.1	ug/L			01/27/21 15:07	1
Isopropylbenzene	23		1.0	0.53	ug/L			01/27/21 15:07	1
Methylene bromide	ND		5.0	0.59	ug/L			01/27/21 15:07	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/27/21 15:07	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/27/21 15:07	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/27/21 15:07	1
m-Xylene & p-Xylene	2.3	J	5.0	1.6	ug/L			01/27/21 15:07	1
Naphthalene	62		1.0	1.0	ug/L			01/27/21 15:07	1
n-Butylbenzene	3.6	*+	1.0	0.76	ug/L			01/27/21 15:07	1
N-Propylbenzene	26		1.0	0.69	ug/L			01/27/21 15:07	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/27/21 15:07	1
o-Xylene	ND		5.0	0.60	ug/L			01/27/21 15:07	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/27/21 15:07	1
p-Isopropyltoluene	0.78	J *+	1.0	0.71	ug/L			01/27/21 15:07	1

Client Sample ID: P57-ROX-011321-DUP
Date Collected: 01/13/21 11:10
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-12
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	5.1		1.0	0.70	ug/L			01/27/21 15:07	1
Styrene	ND		1.0	1.0	ug/L			01/27/21 15:07	1
tert-Butylbenzene	5.9		1.0	0.63	ug/L			01/27/21 15:07	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/27/21 15:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/27/21 15:07	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/27/21 15:07	1
Toluene	6.2		1.0	0.41	ug/L			01/27/21 15:07	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 15:07	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 15:07	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/27/21 15:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/27/21 15:07	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/27/21 15:07	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/27/21 15:07	1
Trichloroethene	ND		1.0	0.50	ug/L			01/27/21 15:07	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/27/21 15:07	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/27/21 15:07	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/27/21 15:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/27/21 15:07	1
Vinyl acetate	ND		25	2.0	ug/L			01/27/21 15:07	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/27/21 15:07	1
Xylenes, Total	2.5	J	10	1.6	ug/L			01/27/21 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/27/21 15:07*	*1*
Dibromofluoromethane	*96*		*81 - 121*		*01/27/21 15:07*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/27/21 15:07*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	3.0	H J	1.0	0.76	ug/L			01/28/21 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*01/28/21 12:32*	*1*
Dibromofluoromethane	*109*		*81 - 121*		*01/28/21 12:32*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/28/21 12:32*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.25		0.19	0.030	ug/L		01/18/21 13:41	01/20/21 14:44	1
Acenaphthylene	ND		0.19	0.043	ug/L		01/18/21 13:41	01/20/21 14:44	1
Anthracene	ND		0.19	0.030	ug/L		01/18/21 13:41	01/20/21 14:44	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		01/18/21 13:41	01/20/21 14:44	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		01/18/21 13:41	01/20/21 14:44	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		01/18/21 13:41	01/20/21 14:44	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/18/21 13:41	01/20/21 14:44	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		01/18/21 13:41	01/20/21 14:44	1
Chrysene	ND		0.19	0.070	ug/L		01/18/21 13:41	01/20/21 14:44	1
Dibenz(a,h)anthracene	ND		0.19	0.047	ug/L		01/18/21 13:41	01/20/21 14:44	1
Fluoranthene	ND		0.19	0.065	ug/L		01/18/21 13:41	01/20/21 14:44	1
Fluorene	0.45		0.19	0.10	ug/L		01/18/21 13:41	01/20/21 14:44	1

Client Sample ID: P57-ROX-011321-DUP
Date Collected: 01/13/21 11:10
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-12
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		01/18/21 13:41	01/20/21 14:44	1
1-Methylnaphthalene	14		0.19	0.070	ug/L		01/18/21 13:41	01/20/21 14:44	1
2-Methylnaphthalene	16		0.19	0.057	ug/L		01/18/21 13:41	01/20/21 14:44	1
Phenanthrene	0.21		0.19	0.034	ug/L		01/18/21 13:41	01/20/21 14:44	1
Pyrene	ND		0.19	0.038	ug/L		01/18/21 13:41	01/20/21 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*15 - 122*	*01/18/21 13:41*	*01/20/21 14:44*	*1*
Nitrobenzene-d5	*71*		*19 - 130*	*01/18/21 13:41*	*01/20/21 14:44*	*1*
Terphenyl-d14	*73*		*33 - 138*	*01/18/21 13:41*	*01/20/21 14:44*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.5	3.6	ug/L		01/18/21 13:41	01/20/21 22:08	1
Benzenethiol	ND	*- *1	9.5	1.6	ug/L		01/18/21 13:41	01/20/21 22:08	1
Benzoic acid	ND	*1	28	6.9	ug/L		01/18/21 13:41	01/20/21 22:08	1
Benzyl alcohol	ND		9.5	1.9	ug/L		01/18/21 13:41	01/20/21 22:08	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		01/18/21 13:41	01/20/21 22:08	1
Bis(2-chloroethyl)ether	ND	*1	9.5	2.6	ug/L		01/18/21 13:41	01/20/21 22:08	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		01/18/21 13:41	01/20/21 22:08	1
Bis(2-ethylhexyl) phthalate	10		9.5	4.7	ug/L		01/18/21 13:41	01/20/21 22:08	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		01/18/21 13:41	01/20/21 22:08	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		01/18/21 13:41	01/20/21 22:08	1
4-Chloroaniline	ND		9.5	3.2	ug/L		01/18/21 13:41	01/20/21 22:08	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		01/18/21 13:41	01/20/21 22:08	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		01/18/21 13:41	01/20/21 22:08	1
2-Chlorophenol	ND		9.5	2.1	ug/L		01/18/21 13:41	01/20/21 22:08	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		01/18/21 13:41	01/20/21 22:08	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		01/18/21 13:41	01/20/21 22:08	1
Dibenzofuran	0.39	J	9.5	0.16	ug/L		01/18/21 13:41	01/20/21 22:08	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		01/18/21 13:41	01/20/21 22:08	1
2,4-Dichlorophenol	ND		9.5	2.8	ug/L		01/18/21 13:41	01/20/21 22:08	1
Diethyl phthalate	ND		9.5	0.23	ug/L		01/18/21 13:41	01/20/21 22:08	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		01/18/21 13:41	01/20/21 22:08	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		01/18/21 13:41	01/20/21 22:08	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		01/18/21 13:41	01/20/21 22:08	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		01/18/21 13:41	01/20/21 22:08	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		01/18/21 13:41	01/20/21 22:08	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		01/18/21 13:41	01/20/21 22:08	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		01/18/21 13:41	01/20/21 22:08	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		01/18/21 13:41	01/20/21 22:08	1
1,4-Dioxane	ND		9.5	0.95	ug/L		01/18/21 13:41	01/20/21 22:08	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		01/18/21 13:41	01/20/21 22:08	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		01/18/21 13:41	01/20/21 22:08	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/18/21 13:41	01/20/21 22:08	1
Hexachloroethane	ND		9.5	4.0	ug/L		01/18/21 13:41	01/20/21 22:08	1
Indene	ND		9.5	0.95	ug/L		01/18/21 13:41	01/20/21 22:08	1
Isophorone	ND		9.5	0.13	ug/L		01/18/21 13:41	01/20/21 22:08	1
2-Methylphenol	ND		9.5	1.7	ug/L		01/18/21 13:41	01/20/21 22:08	1

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: P57-ROX-011321-DUP
Date Collected: 01/13/21 11:10
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-12
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/18/21 13:41	01/20/21 22:08	1
2-Nitroaniline	ND		9.5	2.1	ug/L		01/18/21 13:41	01/20/21 22:08	1
3-Nitroaniline	ND		9.5	1.7	ug/L		01/18/21 13:41	01/20/21 22:08	1
4-Nitroaniline	ND		9.5	1.4	ug/L		01/18/21 13:41	01/20/21 22:08	1
Nitrobenzene	ND		9.5	0.12	ug/L		01/18/21 13:41	01/20/21 22:08	1
2-Nitrophenol	ND		9.5	4.9	ug/L		01/18/21 13:41	01/20/21 22:08	1
4-Nitrophenol	ND		9.5	2.0	ug/L		01/18/21 13:41	01/20/21 22:08	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		01/18/21 13:41	01/20/21 22:08	1
N-Nitrosodi-n-propylamine	ND		9.5	3.1	ug/L		01/18/21 13:41	01/20/21 22:08	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		01/18/21 13:41	01/20/21 22:08	1
Pentachlorophenol	ND		19	1.3	ug/L		01/18/21 13:41	01/20/21 22:08	1
Phenol	47	J	9.5	2.5	ug/L		01/18/21 13:41	01/20/21 22:08	1
Pyridine	ND	UJ	9.5	3.0	ug/L		01/18/21 13:41	01/20/21 22:08	1
Quinoline	ND	*- *1 UJ	9.5	4.3	ug/L		01/18/21 13:41	01/20/21 22:08	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		01/18/21 13:41	01/20/21 22:08	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		01/18/21 13:41	01/20/21 22:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*46 - 124*	*01/18/21 13:41*	*01/20/21 22:08*	*1*
2-Fluorophenol	*31*		*13 - 113*	*01/18/21 13:41*	*01/20/21 22:08*	*1*
Nitrobenzene-d5	*51*		*36 - 126*	*01/18/21 13:41*	*01/20/21 22:08*	*1*
Phenol-d5	*47*		*17 - 127*	*01/18/21 13:41*	*01/20/21 22:08*	*1*
Terphenyl-d14	*53*		*44 - 149*	*01/18/21 13:41*	*01/20/21 22:08*	*1*
2,4,6-Tribromophenol	*69*		*26 - 150*	*01/18/21 13:41*	*01/20/21 22:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND	H UJ	9.4	4.7	ug/L		01/25/21 08:51	01/28/21 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*118*		*46 - 124*	*01/25/21 08:51*	*01/28/21 17:36*	*1*
2-Fluorophenol	*50*		*13 - 113*	*01/25/21 08:51*	*01/28/21 17:36*	*1*
Nitrobenzene-d5	*76*		*36 - 126*	*01/25/21 08:51*	*01/28/21 17:36*	*1*
Phenol-d5	*65*		*17 - 127*	*01/25/21 08:51*	*01/28/21 17:36*	*1*
Terphenyl-d14	*97*		*44 - 149*	*01/25/21 08:51*	*01/28/21 17:36*	*1*
2,4,6-Tribromophenol	*189*	*S1+*	*26 - 150*	*01/25/21 08:51*	*01/28/21 17:36*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/22/21 12:09	01/22/21 17:45	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/22/21 12:09	01/22/21 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*83*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 17:45*	*1*

Client Sample ID: P93D-ROX-011321
Date Collected: 01/13/21 12:20
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-13
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/27/21 15:33	1
Acrolein	ND		20	10	ug/L			01/27/21 15:33	1
Acrylonitrile	ND		10	2.8	ug/L			01/27/21 15:33	1
Benzene	ND		1.0	0.38	ug/L			01/27/21 15:33	1
Bromobenzene	ND		1.0	0.54	ug/L			01/27/21 15:33	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/27/21 15:33	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/27/21 15:33	1
Bromoform	ND		5.0	0.71	ug/L			01/27/21 15:33	1
Bromomethane	ND		1.0	0.98	ug/L			01/27/21 15:33	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/27/21 15:33	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/27/21 15:33	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/27/21 15:33	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/27/21 15:33	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/27/21 15:33	1
Chloroethane	ND		1.0	0.76	ug/L			01/27/21 15:33	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/27/21 15:33	1
Chloroform	ND		1.0	0.60	ug/L			01/27/21 15:33	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/27/21 15:33	1
Chloromethane	ND		1.0	0.83	ug/L			01/27/21 15:33	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 15:33	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 15:33	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/27/21 15:33	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/27/21 15:33	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/27/21 15:33	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/27/21 15:33	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 15:33	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 15:33	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 15:33	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 15:33	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 15:33	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 15:33	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/27/21 15:33	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/27/21 15:33	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/27/21 15:33	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/27/21 15:33	1
2-Hexanone	ND		25	3.1	ug/L			01/27/21 15:33	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/27/21 15:33	1
Methylene bromide	ND		5.0	0.59	ug/L			01/27/21 15:33	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/27/21 15:33	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/27/21 15:33	1
Methyl tert-butyl ether	**1.2**		1.0	0.74	ug/L			01/27/21 15:33	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/27/21 15:33	1
Naphthalene	**2.4**		1.0	1.0	ug/L			01/27/21 15:33	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/27/21 15:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/27/21 15:33	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/27/21 15:33	1
o-Xylene	ND		5.0	0.60	ug/L			01/27/21 15:33	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/27/21 15:33	1
p-Isopropyltoluene	ND	*+	1.0	0.71	ug/L			01/27/21 15:33	1

Client Sample ID: P93D-ROX-011321
Date Collected: 01/13/21 12:20
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-13
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/27/21 15:33	1
Styrene	ND		1.0	1.0	ug/L			01/27/21 15:33	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/27/21 15:33	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/27/21 15:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/27/21 15:33	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/27/21 15:33	1
Toluene	ND		1.0	0.41	ug/L			01/27/21 15:33	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 15:33	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 15:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/27/21 15:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/27/21 15:33	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/27/21 15:33	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/27/21 15:33	1
Trichloroethene	ND		1.0	0.50	ug/L			01/27/21 15:33	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/27/21 15:33	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/27/21 15:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/27/21 15:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/27/21 15:33	1
Vinyl acetate	ND		25	2.0	ug/L			01/27/21 15:33	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/27/21 15:33	1
Xylenes, Total	ND		10	1.6	ug/L			01/27/21 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*78 - 118*		*01/27/21 15:33*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/27/21 15:33*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/27/21 15:33*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	H UJ	1.0	1.0	ug/L			01/28/21 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*01/28/21 11:44*	*1*
Dibromofluoromethane	*108*		*81 - 121*		*01/28/21 11:44*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/28/21 11:44*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.030	ug/L		01/18/21 13:41	01/20/21 15:00	1
Acenaphthylene	ND		0.19	0.043	ug/L		01/18/21 13:41	01/20/21 15:00	1
Anthracene	ND		0.19	0.030	ug/L		01/18/21 13:41	01/20/21 15:00	1
Benzo[a]anthracene	ND		0.19	0.043	ug/L		01/18/21 13:41	01/20/21 15:00	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		01/18/21 13:41	01/20/21 15:00	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		01/18/21 13:41	01/20/21 15:00	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/18/21 13:41	01/20/21 15:00	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		01/18/21 13:41	01/20/21 15:00	1
Chrysene	ND		0.19	0.070	ug/L		01/18/21 13:41	01/20/21 15:00	1
Dibenz(a,h)anthracene	ND		0.19	0.047	ug/L		01/18/21 13:41	01/20/21 15:00	1
Fluoranthene	ND		0.19	0.064	ug/L		01/18/21 13:41	01/20/21 15:00	1
Fluorene	ND		0.19	0.10	ug/L		01/18/21 13:41	01/20/21 15:00	1

Client Sample ID: P93D-ROX-011321
Date Collected: 01/13/21 12:20
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-13
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		01/18/21 13:41	01/20/21 15:00	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		01/18/21 13:41	01/20/21 15:00	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		01/18/21 13:41	01/20/21 15:00	1
Phenanthrene	ND		0.19	0.034	ug/L		01/18/21 13:41	01/20/21 15:00	1
Pyrene	ND		0.19	0.038	ug/L		01/18/21 13:41	01/20/21 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*15 - 122*	*01/18/21 13:41*	*01/20/21 15:00*	*1*
Nitrobenzene-d5	*79*		*19 - 130*	*01/18/21 13:41*	*01/20/21 15:00*	*1*
Terphenyl-d14	*71*		*33 - 138*	*01/18/21 13:41*	*01/20/21 15:00*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.5	3.6	ug/L		01/18/21 13:41	01/21/21 16:02	1
Benzenethiol	ND	UJ	9.5	1.6	ug/L		01/18/21 13:41	01/21/21 16:02	1
Benzoic acid	ND	*1	28	6.9	ug/L		01/18/21 13:41	01/21/21 16:02	1
Benzyl alcohol	ND		9.5	1.9	ug/L		01/18/21 13:41	01/21/21 16:02	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		01/18/21 13:41	01/21/21 16:02	1
Bis(2-chloroethyl)ether	ND	*1	9.5	2.6	ug/L		01/18/21 13:41	01/21/21 16:02	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		01/18/21 13:41	01/21/21 16:02	1
Bis(2-ethylhexyl) phthalate	**6.7**	J	9.5	4.7	ug/L		01/18/21 13:41	01/21/21 16:02	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		01/18/21 13:41	01/21/21 16:02	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		01/18/21 13:41	01/21/21 16:02	1
4-Chloroaniline	ND		9.5	3.2	ug/L		01/18/21 13:41	01/21/21 16:02	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		01/18/21 13:41	01/21/21 16:02	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		01/18/21 13:41	01/21/21 16:02	1
2-Chlorophenol	ND		9.5	2.1	ug/L		01/18/21 13:41	01/21/21 16:02	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		01/18/21 13:41	01/21/21 16:02	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		01/18/21 13:41	01/21/21 16:02	1
Dibenzofuran	ND		9.5	0.16	ug/L		01/18/21 13:41	01/21/21 16:02	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		01/18/21 13:41	01/21/21 16:02	1
2,4-Dichlorophenol	ND		9.5	2.8	ug/L		01/18/21 13:41	01/21/21 16:02	1
Diethyl phthalate	ND		9.5	0.23	ug/L		01/18/21 13:41	01/21/21 16:02	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		01/18/21 13:41	01/21/21 16:02	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		01/18/21 13:41	01/21/21 16:02	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		01/18/21 13:41	01/21/21 16:02	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		01/18/21 13:41	01/21/21 16:02	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		01/18/21 13:41	01/21/21 16:02	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		01/18/21 13:41	01/21/21 16:02	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		01/18/21 13:41	01/21/21 16:02	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		01/18/21 13:41	01/21/21 16:02	1
1,4-Dioxane	ND		9.5	0.95	ug/L		01/18/21 13:41	01/21/21 16:02	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		01/18/21 13:41	01/21/21 16:02	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		01/18/21 13:41	01/21/21 16:02	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/18/21 13:41	01/21/21 16:02	1
Hexachloroethane	ND		9.5	4.0	ug/L		01/18/21 13:41	01/21/21 16:02	1
Indene	ND		9.5	0.95	ug/L		01/18/21 13:41	01/21/21 16:02	1
Isophorone	ND		9.5	0.13	ug/L		01/18/21 13:41	01/21/21 16:02	1
2-Methylphenol	ND		9.5	1.7	ug/L		01/18/21 13:41	01/21/21 16:02	1

Client Sample ID: P93D-ROX-011321
Date Collected: 01/13/21 12:20
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-13
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/18/21 13:41	01/21/21 16:02	1
2-Nitroaniline	ND		9.5	2.1	ug/L		01/18/21 13:41	01/21/21 16:02	1
3-Nitroaniline	ND		9.5	1.7	ug/L		01/18/21 13:41	01/21/21 16:02	1
4-Nitroaniline	ND		9.5	1.4	ug/L		01/18/21 13:41	01/21/21 16:02	1
Nitrobenzene	ND		9.5	0.12	ug/L		01/18/21 13:41	01/21/21 16:02	1
2-Nitrophenol	ND		9.5	4.9	ug/L		01/18/21 13:41	01/21/21 16:02	1
4-Nitrophenol	ND		9.5	2.0	ug/L		01/18/21 13:41	01/21/21 16:02	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		01/18/21 13:41	01/21/21 16:02	1
N-Nitrosodi-n-propylamine	ND		9.5	3.1	ug/L		01/18/21 13:41	01/21/21 16:02	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		01/18/21 13:41	01/21/21 16:02	1
Pentachlorophenol	ND		19	1.3	ug/L		01/18/21 13:41	01/21/21 16:02	1
Phenol	ND		9.5	2.5	ug/L		01/18/21 13:41	01/21/21 16:02	1
Pyridine	ND		9.5	3.0	ug/L		01/18/21 13:41	01/21/21 16:02	1
Quinoline	ND	*- *1 UJ	9.5	4.3	ug/L		01/18/21 13:41	01/21/21 16:02	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		01/18/21 13:41	01/21/21 16:02	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		01/18/21 13:41	01/21/21 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*46 - 124*	*01/18/21 13:41*	*01/21/21 16:02*	*1*
2-Fluorophenol	*42*		*13 - 113*	*01/18/21 13:41*	*01/21/21 16:02*	*1*
Nitrobenzene-d5	*63*		*36 - 126*	*01/18/21 13:41*	*01/21/21 16:02*	*1*
Phenol-d5	*60*		*17 - 127*	*01/18/21 13:41*	*01/21/21 16:02*	*1*
Terphenyl-d14	*60*		*44 - 149*	*01/18/21 13:41*	*01/21/21 16:02*	*1*
2,4,6-Tribromophenol	*63*		*26 - 150*	*01/18/21 13:41*	*01/21/21 16:02*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND	H UJ	9.3	4.7	ug/L		01/25/21 08:51	01/27/21 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*37*	*S1-*	*46 - 124*	*01/25/21 08:51*	*01/27/21 22:34*	*1*
2-Fluorophenol	*14*		*13 - 113*	*01/25/21 08:51*	*01/27/21 22:34*	*1*
Nitrobenzene-d5	*56*		*36 - 126*	*01/25/21 08:51*	*01/27/21 22:34*	*1*
Phenol-d5	*34*		*17 - 127*	*01/25/21 08:51*	*01/27/21 22:34*	*1*
Terphenyl-d14	*44*		*44 - 149*	*01/25/21 08:51*	*01/27/21 22:34*	*1*
2,4,6-Tribromophenol	*42*		*26 - 150*	*01/25/21 08:51*	*01/27/21 22:34*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/22/21 12:09	01/22/21 18:25	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/22/21 12:09	01/22/21 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 18:25*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-198213-1	TB-ROX-011321-8260-A	98	98	104
400-198213-3	MW11-ROX-011321	97	99	104
400-198213-4	MW22-ROX-011321	93	99	105
400-198213-4 - DL	MW22-ROX-011321	94	88	97
400-198213-5	MW16-ROX-011321	97	98	103
400-198213-5 - RA	MW16-ROX-011321	90	88	98
400-198213-6	ROST4PZG-ROX-011321	99	101	106
400-198213-7	TB-ROX-011321-8260-B	98	101	103
400-198213-9	P59-ROX-011321	99	98	102
400-198213-10	P57-ROX-011321-EB	97	99	103
400-198213-11	P57-ROX-011321	100	99	106
400-198213-11 - RA	P57-ROX-011321	95	108	97
400-198213-12	P57-ROX-011321-DUP	98	96	106
400-198213-12 - RA	P57-ROX-011321-DUP	92	109	96
400-198213-13	P93D-ROX-011321	102	99	106
400-198213-13 - RA	P93D-ROX-011321	95	108	99
LCS 400-517673/1002	Lab Control Sample	97	95	101
LCS 400-517776/1002	Lab Control Sample	94	90	102
LCS 400-518565/1002	Lab Control Sample	102	99	100
LCS 400-518707/1002	Lab Control Sample	94	103	95
MB 400-517673/4	Method Blank	98	99	106
MB 400-517776/6	Method Blank	88	88	97
MB 400-518565/5	Method Blank	104	99	104
MB 400-518707/4	Method Blank	95	107	98

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(46-124)	(13-113)	(36-126)	(17-127)	(44-149)	(26-150)
400-198213-3	MW11-ROX-011321	52	42	45	46	50	54
400-198213-4	MW22-ROX-011321	56	14	48	35	53	57
400-198213-5	MW16-ROX-011321	60	46	51	49	55	58
400-198213-6	ROST4PZG-ROX-011321	61	40	52	48	59	66
400-198213-9	P59-ROX-011321	68	48	57	56	64	79
400-198213-10	P57-ROX-011321-EB	59	47	49	51	60	62
400-198213-11	P57-ROX-011321	56	29	48	45	48	64
400-198213-12	P57-ROX-011321-DUP	60	31	51	47	53	69
400-198213-12 - RERA	P57-ROX-011321-DUP	118	50	76	65	97	189 S1+
400-198213-13	P93D-ROX-011321	70	42	63	60	60	63
400-198213-13 - RERA	P93D-ROX-011321	37 S1-	14	56	34	44	42
LCS 400-517731/2-A	Lab Control Sample	61	26	55	42	56	63
LCS 400-517731/4-A	Lab Control Sample	49	21	43	37	49	22 S1-
LCS 400-518330/2-A	Lab Control Sample	81	55	96	79	99	106

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(46-124)	(13-113)	(36-126)	(17-127)	(44-149)	(26-150)
LCSD 400-517731/3-A	Lab Control Sample Dup	70	27	62	46	66	69
LCSD 400-517731/5-A	Lab Control Sample Dup	71	40	57	54	72	54
LCSD 400-518330/3-A	Lab Control Sample Dup	79	41	94	68	97	97
MB 400-517731/1-A	Method Blank	69	18	55	44	69	65
MB 400-518330/1-A	Method Blank	81	43	85	73	97	81

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(15-122)	(19-130)	(33-138)
400-198213-3	MW11-ROX-011321	69	72	79
400-198213-4	MW22-ROX-011321	66	69	81
400-198213-5	MW16-ROX-011321	64	67	65
400-198213-6	ROST4PZG-ROX-011321	101	110	119
400-198213-9	P59-ROX-011321	63	65	78
400-198213-10	P57-ROX-011321-EB	58	64	65
400-198213-11	P57-ROX-011321	63	65	61
400-198213-12	P57-ROX-011321-DUP	73	71	73
400-198213-13	P93D-ROX-011321	72	79	71
LCS 400-517731/2-A	Lab Control Sample	78	69	80
LCSD 400-517731/3-A	Lab Control Sample Dup	87	63	88
MB 400-517731/1-A	Method Blank	67	69	76

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB2
Lab Sample ID	Client Sample ID	(51-149)
400-198213-2	TB-ROX-011321-8011-A	88 p
400-198213-3	MW11-ROX-011321	92 p
400-198213-4	MW22-ROX-011321	82 p
400-198213-5	MW16-ROX-011321	93
400-198213-6	ROST4PZG-ROX-011321	82 p
400-198213-8	TB-ROX-011321-8011-B	86 p
400-198213-9	P59-ROX-011321	84 p
400-198213-10	P57-ROX-011321-EB	95 p

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB2
Lab Sample ID	**Client Sample ID**	**(51-149)**
400-198213-11	P57-ROX-011321	79 p
400-198213-12	P57-ROX-011321-DUP	83 p
400-198213-13	P93D-ROX-011321	92 p
LCS 400-517923/2-A	Lab Control Sample	97
LCS 400-518215/2-A	Lab Control Sample	99
LCSD 400-517923/3-A	Lab Control Sample Dup	93
LCSD 400-518215/3-A	Lab Control Sample Dup	93
MB 400-517923/1-A	Method Blank	92
MB 400-518215/1-A	Method Blank	95

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL PEN
5030B	Purge and Trap	SW846	TAL PEN
8011	Microextraction	SW846	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Client Sample ID: TB-ROX-011321-8260-A

Date Collected: 01/13/21 00:00
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 17:54	AMB	TAL PEN

Client Sample ID: TB-ROX-011321-8011-A

Date Collected: 01/13/21 00:00
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.4 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 21:12	DS	TAL PEN

Client Sample ID: MW11-ROX-011321

Date Collected: 01/13/21 09:05
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 18:21	AMB	TAL PEN
Total/NA	Prep	3520C			244.8 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 19:05	S1B	TAL PEN
Total/NA	Prep	3520C			244.8 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 12:55	PP1	TAL PEN
Total/NA	Prep	8011			34 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 22:11	DS	TAL PEN

Client Sample ID: MW22-ROX-011321

Date Collected: 01/13/21 10:20
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 18:48	AMB	TAL PEN
Total/NA	Analysis	8260B	DL	2	5 mL	5 mL	517776	01/19/21 17:48	BEP	TAL PEN
Total/NA	Prep	3520C			252 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 19:31	S1B	TAL PEN
Total/NA	Prep	3520C			252 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 13:11	PP1	TAL PEN
Total/NA	Prep	8011			34.1 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 22:31	DS	TAL PEN

Client Sample ID: MW16-ROX-011321

Date Collected: 01/13/21 11:20
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 19:15	AMB	TAL PEN
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	517776	01/19/21 14:24	BEP	TAL PEN

Client Sample ID: MW16-ROX-011321

Lab Sample ID: 400-198213-5

Date Collected: 01/13/21 11:20
Matrix: Water
Date Received: 01/14/21 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			239.2 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 19:57	S1B	TAL PEN
Total/NA	Prep	3520C			239.2 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 13:26	PP1	TAL PEN
Total/NA	Prep	8011			34.8 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 22:50	DS	TAL PEN

Client Sample ID: ROST4PZG-ROX-011321

Lab Sample ID: 400-198213-6

Date Collected: 01/13/21 12:40
Matrix: Water
Date Received: 01/14/21 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 19:42	AMB	TAL PEN
Total/NA	Prep	3520C			242.2 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 20:23	S1B	TAL PEN
Total/NA	Prep	3520C			242.2 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 13:42	PP1	TAL PEN
Total/NA	Prep	8011			35 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 16:06	DS	TAL PEN

Client Sample ID: TB-ROX-011321-8260-B

Lab Sample ID: 400-198213-7

Date Collected: 01/13/21 00:00
Matrix: Water
Date Received: 01/14/21 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 20:09	AMB	TAL PEN

Client Sample ID: TB-ROX-011321-8011-B

Lab Sample ID: 400-198213-8

Date Collected: 01/13/21 00:00
Matrix: Water
Date Received: 01/14/21 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			36 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 16:26	DS	TAL PEN

Client Sample ID: P59-ROX-011321

Lab Sample ID: 400-198213-9

Date Collected: 01/13/21 09:40
Matrix: Water
Date Received: 01/14/21 09:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	517673	01/18/21 21:04	AMB	TAL PEN
Total/NA	Prep	3520C			265.8 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 20:49	S1B	TAL PEN
Total/NA	Prep	3520C			265.8 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 13:58	PP1	TAL PEN

Client Sample ID: P59-ROX-011321

Date Collected: 01/13/21 09:40
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.2 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 16:46	DS	TAL PEN

Client Sample ID: P57-ROX-011321-EB

Date Collected: 01/13/21 10:00
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 20:36	AMB	TAL PEN
Total/NA	Prep	3520C			268.4 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 21:16	S1B	TAL PEN
Total/NA	Prep	3520C			268.4 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 14:13	PP1	TAL PEN
Total/NA	Prep	8011			34.1 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 17:06	DS	TAL PEN

Client Sample ID: P57-ROX-011321

Date Collected: 01/13/21 11:10
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	518707	01/28/21 12:08	WPD	TAL PEN
Total/NA	Analysis	8260B		1	5 mL	5 mL	518565	01/27/21 14:40	AMB	TAL PEN
Total/NA	Prep	3520C			260.4 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 21:42	S1B	TAL PEN
Total/NA	Prep	3520C			260.4 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 14:29	PP1	TAL PEN
Total/NA	Prep	8011			34.3 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 17:25	DS	TAL PEN

Client Sample ID: P57-ROX-011321-DUP

Date Collected: 01/13/21 11:10
Date Received: 01/14/21 09:39

Lab Sample ID: 400-198213-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	518707	01/28/21 12:32	WPD	TAL PEN
Total/NA	Analysis	8260B		1	5 mL	5 mL	518565	01/27/21 15:07	AMB	TAL PEN
Total/NA	Prep	3520C	RERA		266.2 mL	1 mL	518330	01/25/21 08:51	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			518805	01/28/21 17:36	S1B	TAL PEN
Total/NA	Prep	3520C			263.4 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 22:08	S1B	TAL PEN
Total/NA	Prep	3520C			263.4 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 14:44	PP1	TAL PEN
Total/NA	Prep	8011			34.7 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 17:45	DS	TAL PEN

Client Sample ID: P93D-ROX-011321

Lab Sample ID: 400-198213-13

Date Collected: 01/13/21 12:20
Date Received: 01/14/21 09:39

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	518707	01/28/21 11:44	WPD	TAL PEN
Total/NA	Analysis	8260B		1	5 mL	5 mL	518565	01/27/21 15:33	AMB	TAL PEN
Total/NA	Prep	3520C			264.4 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518108	01/21/21 16:02	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		267.4 mL	1 mL	518330	01/25/21 08:51	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			518597	01/27/21 22:34	S1B	TAL PEN
Total/NA	Prep	3520C			264.4 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 15:00	PP1	TAL PEN
Total/NA	Prep	8011			34.3 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 18:25	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517673/4

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 12:02	AMB	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517731/1-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 16:55	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 12:09	PP1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517776/6

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517776	01/19/21 11:00	BEP	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517923/1-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 15:14	DS	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-518215/1-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 15:07	DS	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-518330/1-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	518330	01/25/21 08:51	KWS	TAL PEN
Total/NA	Analysis	8270D		1	0.4 mL	1.0 mL	518676	01/27/21 18:01	S1B	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-518565/5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518565	01/27/21 11:08	AMB	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-518707/4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518707	01/28/21 08:26	WPD	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-517673/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517673	01/18/21 10:59	AMB	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-517731/2-A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 17:21	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		5			517959	01/20/21 12:24	PP1	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-517731/4-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 18:13	S1B	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-517776/1002**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	517776	01/19/21 09:41	BEP	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-517923/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 15:34	DS	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-518215/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 15:27	DS	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-518330/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	518330	01/25/21 08:51	KWS	TAL PEN
Total/NA	Analysis	8270D		1			518676	01/27/21 18:26	S1B	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-518565/1002**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518565	01/27/21 09:41	AMB	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-518707/1002**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518707	01/28/21 07:28	WPD	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-517731/3-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 17:47	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		5			517959	01/20/21 12:40	PP1	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-517731/5-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 18:39	S1B	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-517923/3-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	517923	01/20/21 09:13	DS	TAL PEN
Total/NA	Analysis	8011		1			517997	01/20/21 15:54	DS	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-518215/3-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 15:47	DS	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-518330/3-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	518330	01/25/21 08:51	KWS	TAL PEN
Total/NA	Analysis	8270D		1			518676	01/27/21 18:50	S1B	TAL PEN

Laboratory References:
TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 517673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198213-1	TB-ROX-011321-8260-A	Total/NA	Water	8260B	
400-198213-3	MW11-ROX-011321	Total/NA	Water	8260B	
400-198213-4	MW22-ROX-011321	Total/NA	Water	8260B	
400-198213-5	MW16-ROX-011321	Total/NA	Water	8260B	
400-198213-6	ROST4PZG-ROX-011321	Total/NA	Water	8260B	
400-198213-7	TB-ROX-011321-8260-B	Total/NA	Water	8260B	
400-198213-9	P59-ROX-011321	Total/NA	Water	8260B	
400-198213-10	P57-ROX-011321-EB	Total/NA	Water	8260B	
MB 400-517673/4	Method Blank	Total/NA	Water	8260B	
LCS 400-517673/1002	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 517776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198213-4 - DL	MW22-ROX-011321	Total/NA	Water	8260B	
400-198213-5 - RA	MW16-ROX-011321	Total/NA	Water	8260B	
MB 400-517776/6	Method Blank	Total/NA	Water	8260B	
LCS 400-517776/1002	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 518565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198213-11	P57-ROX-011321	Total/NA	Water	8260B	
400-198213-12	P57-ROX-011321-DUP	Total/NA	Water	8260B	
400-198213-13	P93D-ROX-011321	Total/NA	Water	8260B	
MB 400-518565/5	Method Blank	Total/NA	Water	8260B	
LCS 400-518565/1002	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 518707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198213-11 - RA	P57-ROX-011321	Total/NA	Water	8260B	
400-198213-12 - RA	P57-ROX-011321-DUP	Total/NA	Water	8260B	
400-198213-13 - RA	P93D-ROX-011321	Total/NA	Water	8260B	
MB 400-518707/4	Method Blank	Total/NA	Water	8260B	
LCS 400-518707/1002	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 517731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198213-3	MW11-ROX-011321	Total/NA	Water	3520C	
400-198213-4	MW22-ROX-011321	Total/NA	Water	3520C	
400-198213-5	MW16-ROX-011321	Total/NA	Water	3520C	
400-198213-6	ROST4PZG-ROX-011321	Total/NA	Water	3520C	
400-198213-9	P59-ROX-011321	Total/NA	Water	3520C	
400-198213-10	P57-ROX-011321-EB	Total/NA	Water	3520C	
400-198213-11	P57-ROX-011321	Total/NA	Water	3520C	
400-198213-12	P57-ROX-011321-DUP	Total/NA	Water	3520C	
400-198213-13	P93D-ROX-011321	Total/NA	Water	3520C	
MB 400-517731/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-517731/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-517731/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-517731/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	

GC/MS Semi VOA (Continued)

Prep Batch: 517731 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 400-517731/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 517959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198213-3	MW11-ROX-011321	Total/NA	Water	8270D LL	517731
400-198213-4	MW22-ROX-011321	Total/NA	Water	8270D LL	517731
400-198213-5	MW16-ROX-011321	Total/NA	Water	8270D LL	517731
400-198213-6	ROST4PZG-ROX-011321	Total/NA	Water	8270D LL	517731
400-198213-9	P59-ROX-011321	Total/NA	Water	8270D LL	517731
400-198213-10	P57-ROX-011321-EB	Total/NA	Water	8270D LL	517731
400-198213-11	P57-ROX-011321	Total/NA	Water	8270D LL	517731
400-198213-12	P57-ROX-011321-DUP	Total/NA	Water	8270D LL	517731
400-198213-13	P93D-ROX-011321	Total/NA	Water	8270D LL	517731
MB 400-517731/1-A	Method Blank	Total/NA	Water	8270D LL	517731
LCS 400-517731/2-A	Lab Control Sample	Total/NA	Water	8270D LL	517731
LCSD 400-517731/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	517731

Analysis Batch: 517996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198213-3	MW11-ROX-011321	Total/NA	Water	8270D	517731
400-198213-4	MW22-ROX-011321	Total/NA	Water	8270D	517731
400-198213-5	MW16-ROX-011321	Total/NA	Water	8270D	517731
400-198213-6	ROST4PZG-ROX-011321	Total/NA	Water	8270D	517731
400-198213-9	P59-ROX-011321	Total/NA	Water	8270D	517731
400-198213-10	P57-ROX-011321-EB	Total/NA	Water	8270D	517731
400-198213-11	P57-ROX-011321	Total/NA	Water	8270D	517731
400-198213-12	P57-ROX-011321-DUP	Total/NA	Water	8270D	517731
MB 400-517731/1-A	Method Blank	Total/NA	Water	8270D	517731
LCS 400-517731/2-A	Lab Control Sample	Total/NA	Water	8270D	517731
LCS 400-517731/4-A	Lab Control Sample	Total/NA	Water	8270D	517731
LCSD 400-517731/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	517731
LCSD 400-517731/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	517731

Analysis Batch: 518108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198213-13	P93D-ROX-011321	Total/NA	Water	8270D	517731

Prep Batch: 518330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198213-12 - RERA	P57-ROX-011321-DUP	Total/NA	Water	3520C	
400-198213-13 - RERA	P93D-ROX-011321	Total/NA	Water	3520C	
MB 400-518330/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-518330/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-518330/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 518597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198213-13 - RERA	P93D-ROX-011321	Total/NA	Water	8270D	518330

GC/MS Semi VOA

Analysis Batch: 518676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-518330/1-A	Method Blank	Total/NA	Water	8270D	518330
LCS 400-518330/2-A	Lab Control Sample	Total/NA	Water	8270D	518330
LCSD 400-518330/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	518330

Analysis Batch: 518805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198213-12 - RERA	P57-ROX-011321-DUP	Total/NA	Water	8270D	518330

GC Semi VOA

Prep Batch: 517923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198213-2	TB-ROX-011321-8011-A	Total/NA	Water	8011	
400-198213-3	MW11-ROX-011321	Total/NA	Water	8011	
400-198213-4	MW22-ROX-011321	Total/NA	Water	8011	
400-198213-5	MW16-ROX-011321	Total/NA	Water	8011	
MB 400-517923/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-517923/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-517923/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 517997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198213-2	TB-ROX-011321-8011-A	Total/NA	Water	8011	517923
400-198213-3	MW11-ROX-011321	Total/NA	Water	8011	517923
400-198213-4	MW22-ROX-011321	Total/NA	Water	8011	517923
400-198213-5	MW16-ROX-011321	Total/NA	Water	8011	517923
MB 400-517923/1-A	Method Blank	Total/NA	Water	8011	517923
LCS 400-517923/2-A	Lab Control Sample	Total/NA	Water	8011	517923
LCSD 400-517923/3-A	Lab Control Sample Dup	Total/NA	Water	8011	517923

Prep Batch: 518215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198213-6	ROST4PZG-ROX-011321	Total/NA	Water	8011	
400-198213-8	TB-ROX-011321-8011-B	Total/NA	Water	8011	
400-198213-9	P59-ROX-011321	Total/NA	Water	8011	
400-198213-10	P57-ROX-011321-EB	Total/NA	Water	8011	
400-198213-11	P57-ROX-011321	Total/NA	Water	8011	
400-198213-12	P57-ROX-011321-DUP	Total/NA	Water	8011	
400-198213-13	P93D-ROX-011321	Total/NA	Water	8011	
MB 400-518215/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-518215/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-518215/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 518231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198213-6	ROST4PZG-ROX-011321	Total/NA	Water	8011	518215
400-198213-8	TB-ROX-011321-8011-B	Total/NA	Water	8011	518215
400-198213-9	P59-ROX-011321	Total/NA	Water	8011	518215
400-198213-10	P57-ROX-011321-EB	Total/NA	Water	8011	518215
400-198213-11	P57-ROX-011321	Total/NA	Water	8011	518215
400-198213-12	P57-ROX-011321-DUP	Total/NA	Water	8011	518215

GC Semi VOA (Continued)

Analysis Batch: 518231 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198213-13	P93D-ROX-011321	Total/NA	Water	8011	518215
MB 400-518215/1-A	Method Blank	Total/NA	Water	8011	518215
LCS 400-518215/2-A	Lab Control Sample	Total/NA	Water	8011	518215
LCSD 400-518215/3-A	Lab Control Sample Dup	Total/NA	Water	8011	518215

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-517673/4
Matrix: Water
Analysis Batch: 517673

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/18/21 12:02	1
Acrolein	ND		20	10	ug/L			01/18/21 12:02	1
Acrylonitrile	ND		10	2.8	ug/L			01/18/21 12:02	1
Benzene	ND		1.0	0.38	ug/L			01/18/21 12:02	1
Bromobenzene	ND		1.0	0.54	ug/L			01/18/21 12:02	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/18/21 12:02	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Bromoform	ND		5.0	0.71	ug/L			01/18/21 12:02	1
Bromomethane	ND		1.0	0.98	ug/L			01/18/21 12:02	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/18/21 12:02	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Chloroethane	ND		1.0	0.76	ug/L			01/18/21 12:02	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/18/21 12:02	1
Chloroform	ND		1.0	0.60	ug/L			01/18/21 12:02	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/18/21 12:02	1
Chloromethane	ND		1.0	0.83	ug/L			01/18/21 12:02	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 12:02	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 12:02	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/18/21 12:02	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/18/21 12:02	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/18/21 12:02	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/18/21 12:02	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 12:02	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/18/21 12:02	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/18/21 12:02	1
2-Hexanone	ND		25	3.1	ug/L			01/18/21 12:02	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/18/21 12:02	1
Methylene bromide	ND		5.0	0.59	ug/L			01/18/21 12:02	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/18/21 12:02	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/18/21 12:02	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/18/21 12:02	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/18/21 12:02	1
Naphthalene	ND		1.0	1.0	ug/L			01/18/21 12:02	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/18/21 12:02	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/18/21 12:02	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/18/21 12:02	1
o-Xylene	ND		5.0	0.60	ug/L			01/18/21 12:02	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/18/21 12:02	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517673/4
Matrix: Water
Analysis Batch: 517673

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/18/21 12:02	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/18/21 12:02	1
Styrene	ND		1.0	1.0	ug/L			01/18/21 12:02	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/18/21 12:02	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/18/21 12:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/18/21 12:02	1
Toluene	ND		1.0	0.41	ug/L			01/18/21 12:02	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/18/21 12:02	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/18/21 12:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/18/21 12:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/18/21 12:02	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/18/21 12:02	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/18/21 12:02	1
Trichloroethene	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/18/21 12:02	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/18/21 12:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/18/21 12:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/18/21 12:02	1
Vinyl acetate	ND		25	2.0	ug/L			01/18/21 12:02	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/18/21 12:02	1
Xylenes, Total	ND		10	1.6	ug/L			01/18/21 12:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/18/21 12:02*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/18/21 12:02*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/18/21 12:02*	*1*

Lab Sample ID: LCS 400-517673/1002
Matrix: Water
Analysis Batch: 517673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	160		ug/L		80	43 - 160
Acrolein	500	540		ug/L		108	38 - 160
Acrylonitrile	500	402		ug/L		80	64 - 142
Benzene	50.0	46.5		ug/L		93	70 - 130
Bromobenzene	50.0	47.4		ug/L		95	70 - 132
Bromochloromethane	50.0	45.5		ug/L		91	70 - 130
Bromodichloromethane	50.0	41.4		ug/L		83	67 - 133
Bromoform	50.0	38.3		ug/L		77	57 - 140
Bromomethane	50.0	51.5		ug/L		103	10 - 160
2-Butanone (MEK)	200	141		ug/L		71	61 - 145
Carbon disulfide	50.0	48.3		ug/L		97	61 - 137
Carbon tetrachloride	50.0	44.9		ug/L		90	61 - 137
Chlorobenzene	50.0	48.1		ug/L		96	70 - 130
Dibromochloromethane	50.0	42.0		ug/L		84	67 - 135
Chloroethane	50.0	55.4		ug/L		111	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517673/1002
Matrix: Water
Analysis Batch: 517673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	50.0	27.2		ug/L		54	10 - 160
Chloroform	50.0	43.9		ug/L		88	69 - 130
1-Chlorohexane	50.0	56.2		ug/L		112	69 - 130
Chloromethane	50.0	57.4		ug/L		115	58 - 137
cis-1,2-Dichloroethene	50.0	47.0		ug/L		94	68 - 130
cis-1,3-Dichloropropene	50.0	44.2		ug/L		88	69 - 132
1,2-Dichlorobenzene	50.0	48.9		ug/L		98	67 - 130
1,3-Dichlorobenzene	50.0	51.8		ug/L		104	70 - 130
1,4-Dichlorobenzene	50.0	48.9		ug/L		98	70 - 130
Dichlorodifluoromethane	50.0	52.1		ug/L		104	41 - 146
1,1-Dichloroethane	50.0	48.4		ug/L		97	70 - 130
1,2-Dichloroethane	50.0	41.2		ug/L		82	69 - 130
1,1-Dichloroethene	50.0	44.1		ug/L		88	63 - 134
1,2-Dichloropropane	50.0	47.4		ug/L		95	70 - 130
1,3-Dichloropropane	50.0	41.8		ug/L		84	70 - 130
2,2-Dichloropropane	50.0	45.8		ug/L		92	52 - 135
1,1-Dichloropropene	50.0	47.4		ug/L		95	70 - 130
Ethylbenzene	50.0	49.9		ug/L		100	70 - 130
Ethyl methacrylate	50.0	39.6		ug/L		79	68 - 130
Hexachlorobutadiene	50.0	57.6		ug/L		115	53 - 140
2-Hexanone	200	170		ug/L		85	65 - 137
Isopropylbenzene	50.0	52.4		ug/L		105	70 - 130
Methylene bromide	50.0	40.6		ug/L		81	70 - 130
Methylene Chloride	50.0	45.6		ug/L		91	66 - 135
4-Methyl-2-pentanone (MIBK)	200	164		ug/L		82	69 - 138
Methyl tert-butyl ether	50.0	40.5		ug/L		81	66 - 130
m-Xylene & p-Xylene	50.0	49.3		ug/L		99	70 - 130
Naphthalene	50.0	43.2		ug/L		86	47 - 149
n-Butylbenzene	50.0	66.6	*+	ug/L		133	67 - 130
N-Propylbenzene	50.0	54.7		ug/L		109	70 - 130
o-Chlorotoluene	50.0	52.3		ug/L		105	70 - 130
o-Xylene	50.0	50.2		ug/L		100	70 - 130
p-Chlorotoluene	50.0	52.5		ug/L		105	70 - 130
p-Isopropyltoluene	50.0	61.8		ug/L		124	65 - 130
sec-Butylbenzene	50.0	57.7		ug/L		115	66 - 130
Styrene	50.0	48.5		ug/L		97	70 - 130
tert-Butylbenzene	50.0	46.9		ug/L		94	64 - 139
1,1,1,2-Tetrachloroethane	50.0	44.2		ug/L		88	67 - 131
1,1,2,2-Tetrachloroethane	50.0	39.1		ug/L		78	70 - 131
Tetrachloroethene	50.0	48.6		ug/L		97	65 - 130
Toluene	50.0	48.4		ug/L		97	70 - 130
trans-1,2-Dichloroethene	50.0	45.1		ug/L		90	70 - 130
trans-1,3-Dichloropropene	50.0	42.5		ug/L		85	63 - 130
1,2,3-Trichlorobenzene	50.0	53.4		ug/L		107	60 - 138
1,2,4-Trichlorobenzene	50.0	54.8		ug/L		110	60 - 140
1,1,1-Trichloroethane	50.0	44.2		ug/L		88	68 - 130
1,1,2-Trichloroethane	50.0	42.0		ug/L		84	70 - 130
Trichloroethene	50.0	46.5		ug/L		93	70 - 130
Trichlorofluoromethane	50.0	47.6		ug/L		95	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517673/1002
Matrix: Water
Analysis Batch: 517673

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	50.0	38.8		ug/L		78	70 - 130
1,2,4-Trimethylbenzene	50.0	57.5		ug/L		115	70 - 130
1,3,5-Trimethylbenzene	50.0	54.2		ug/L		108	69 - 130
Vinyl acetate	100	81.4		ug/L		81	26 - 160
Vinyl chloride	50.0	57.7		ug/L		115	59 - 136
Xylenes, Total	100	99.5		ug/L		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*78 - 118*
Dibromofluoromethane	*95*		*81 - 121*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 400-517776/6
Matrix: Water
Analysis Batch: 517776

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/19/21 11:00	1
Acrolein	ND		20	10	ug/L			01/19/21 11:00	1
Acrylonitrile	ND		10	2.8	ug/L			01/19/21 11:00	1
Benzene	ND		1.0	0.38	ug/L			01/19/21 11:00	1
Bromobenzene	ND		1.0	0.54	ug/L			01/19/21 11:00	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/19/21 11:00	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Bromoform	ND		5.0	0.71	ug/L			01/19/21 11:00	1
Bromomethane	ND		1.0	0.98	ug/L			01/19/21 11:00	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Chloroethane	ND		1.0	0.76	ug/L			01/19/21 11:00	1
Chloroform	ND		1.0	0.60	ug/L			01/19/21 11:00	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/19/21 11:00	1
Chloromethane	ND		1.0	0.83	ug/L			01/19/21 11:00	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/19/21 11:00	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/19/21 11:00	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/19/21 11:00	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/19/21 11:00	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/19/21 11:00	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/19/21 11:00	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/19/21 11:00	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/19/21 11:00	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517776/6
Matrix: Water
Analysis Batch: 517776

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/19/21 11:00	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/19/21 11:00	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/19/21 11:00	1
Methylene bromide	ND		5.0	0.59	ug/L			01/19/21 11:00	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/19/21 11:00	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/19/21 11:00	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/19/21 11:00	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/19/21 11:00	1
Naphthalene	ND		1.0	1.0	ug/L			01/19/21 11:00	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/19/21 11:00	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/19/21 11:00	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/19/21 11:00	1
o-Xylene	ND		5.0	0.60	ug/L			01/19/21 11:00	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/19/21 11:00	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/19/21 11:00	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/19/21 11:00	1
Styrene	ND		1.0	1.0	ug/L			01/19/21 11:00	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/19/21 11:00	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/19/21 11:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/19/21 11:00	1
Toluene	ND		1.0	0.41	ug/L			01/19/21 11:00	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/19/21 11:00	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/19/21 11:00	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/19/21 11:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/19/21 11:00	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/19/21 11:00	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/19/21 11:00	1
Trichloroethene	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/19/21 11:00	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/19/21 11:00	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/19/21 11:00	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/19/21 11:00	1
Vinyl acetate	ND		25	2.0	ug/L			01/19/21 11:00	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/19/21 11:00	1
Xylenes, Total	ND		10	1.6	ug/L			01/19/21 11:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*01/19/21 11:00*	*1*
Dibromofluoromethane	*88*		*81 - 121*		*01/19/21 11:00*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/19/21 11:00*	*1*

Lab Sample ID: LCS 400-517776/1002
Matrix: Water
Analysis Batch: 517776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	124		ug/L		62	43 - 160

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517776/1002
Matrix: Water
Analysis Batch: 517776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acrolein	500	325		ug/L		65	38 - 160
Acrylonitrile	500	337		ug/L		67	64 - 142
Benzene	50.0	49.7		ug/L		99	70 - 130
Bromobenzene	50.0	50.9		ug/L		102	70 - 132
Bromochloromethane	50.0	50.0		ug/L		100	70 - 130
Bromodichloromethane	50.0	51.3		ug/L		103	67 - 133
Bromoform	50.0	38.7		ug/L		77	57 - 140
Bromomethane	50.0	43.5		ug/L		87	10 - 160
Carbon disulfide	50.0	47.3		ug/L		95	61 - 137
Carbon tetrachloride	50.0	45.7		ug/L		91	61 - 137
Chlorobenzene	50.0	53.7		ug/L		107	70 - 130
Dibromochloromethane	50.0	44.7		ug/L		89	67 - 135
Chloroethane	50.0	47.1		ug/L		94	55 - 141
Chloroform	50.0	47.0		ug/L		94	69 - 130
1-Chlorohexane	50.0	60.0		ug/L		120	69 - 130
Chloromethane	50.0	60.3		ug/L		121	58 - 137
cis-1,2-Dichloroethene	50.0	45.1		ug/L		90	68 - 130
cis-1,3-Dichloropropene	50.0	59.9		ug/L		120	69 - 132
1,2-Dichlorobenzene	50.0	46.6		ug/L		93	67 - 130
1,3-Dichlorobenzene	50.0	52.5		ug/L		105	70 - 130
1,4-Dichlorobenzene	50.0	52.5		ug/L		105	70 - 130
Dichlorodifluoromethane	50.0	57.5		ug/L		115	41 - 146
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	37.3		ug/L		75	69 - 130
1,1-Dichloroethene	50.0	47.3		ug/L		95	63 - 134
1,2-Dichloropropane	50.0	51.1		ug/L		102	70 - 130
1,3-Dichloropropane	50.0	41.7		ug/L		83	70 - 130
2,2-Dichloropropane	50.0	42.4		ug/L		85	52 - 135
1,1-Dichloropropene	50.0	48.6		ug/L		97	70 - 130
Ethylbenzene	50.0	53.9		ug/L		108	70 - 130
Ethyl methacrylate	50.0	38.3		ug/L		77	68 - 130
Hexachlorobutadiene	50.0	47.7		ug/L		95	53 - 140
Isopropylbenzene	50.0	57.9		ug/L		116	70 - 130
Methylene bromide	50.0	41.6		ug/L		83	70 - 130
Methylene Chloride	50.0	47.9		ug/L		96	66 - 135
4-Methyl-2-pentanone (MIBK)	200	154		ug/L		77	69 - 138
Methyl tert-butyl ether	50.0	33.1		ug/L		66	66 - 130
m-Xylene & p-Xylene	50.0	54.2		ug/L		108	70 - 130
Naphthalene	50.0	38.5		ug/L		77	47 - 149
n-Butylbenzene	50.0	49.0		ug/L		98	67 - 130
N-Propylbenzene	50.0	56.2		ug/L		112	70 - 130
o-Chlorotoluene	50.0	47.6		ug/L		95	70 - 130
o-Xylene	50.0	51.2		ug/L		102	70 - 130
p-Chlorotoluene	50.0	50.2		ug/L		100	70 - 130
p-Isopropyltoluene	50.0	53.6		ug/L		107	65 - 130
sec-Butylbenzene	50.0	56.2		ug/L		112	66 - 130
Styrene	50.0	54.8		ug/L		110	70 - 130
tert-Butylbenzene	50.0	45.4		ug/L		91	64 - 139
1,1,1,2-Tetrachloroethane	50.0	54.8		ug/L		110	67 - 131

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517776/1002
Matrix: Water
Analysis Batch: 517776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	50.0	37.3		ug/L		75	70 - 131
Tetrachloroethene	50.0	60.6		ug/L		121	65 - 130
Toluene	50.0	56.4		ug/L		113	70 - 130
trans-1,2-Dichloroethene	50.0	48.8		ug/L		98	70 - 130
trans-1,3-Dichloropropene	50.0	46.5		ug/L		93	63 - 130
1,2,3-Trichlorobenzene	50.0	45.2		ug/L		90	60 - 138
1,2,4-Trichlorobenzene	50.0	49.8		ug/L		100	60 - 140
1,1,1-Trichloroethane	50.0	49.3		ug/L		99	68 - 130
1,1,2-Trichloroethane	50.0	45.9		ug/L		92	70 - 130
Trichloroethene	50.0	60.3		ug/L		121	70 - 130
Trichlorofluoromethane	50.0	46.1		ug/L		92	65 - 138
1,2,3-Trichloropropane	50.0	35.9		ug/L		72	70 - 130
1,2,4-Trimethylbenzene	50.0	50.4		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	50.0	54.5		ug/L		109	69 - 130
Vinyl acetate	100	72.6		ug/L		73	26 - 160
Vinyl chloride	50.0	54.6		ug/L		109	59 - 136
Xylenes, Total	100	105		ug/L		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*78 - 118*
Dibromofluoromethane	*90*		*81 - 121*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 400-518565/5
Matrix: Water
Analysis Batch: 518565

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/27/21 11:08	1
Acrolein	ND		20	10	ug/L			01/27/21 11:08	1
Acrylonitrile	ND		10	2.8	ug/L			01/27/21 11:08	1
Benzene	ND		1.0	0.38	ug/L			01/27/21 11:08	1
Bromobenzene	ND		1.0	0.54	ug/L			01/27/21 11:08	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/27/21 11:08	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Bromoform	ND		5.0	0.71	ug/L			01/27/21 11:08	1
Bromomethane	ND		1.0	0.98	ug/L			01/27/21 11:08	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/27/21 11:08	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Chloroethane	ND		1.0	0.76	ug/L			01/27/21 11:08	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/27/21 11:08	1
Chloroform	ND		1.0	0.60	ug/L			01/27/21 11:08	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/27/21 11:08	1
Chloromethane	ND		1.0	0.83	ug/L			01/27/21 11:08	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 11:08	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-518565/5
Matrix: Water
Analysis Batch: 518565

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 11:08	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/27/21 11:08	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/27/21 11:08	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/27/21 11:08	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/27/21 11:08	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 11:08	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/27/21 11:08	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/27/21 11:08	1
2-Hexanone	ND		25	3.1	ug/L			01/27/21 11:08	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/27/21 11:08	1
Methylene bromide	ND		5.0	0.59	ug/L			01/27/21 11:08	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/27/21 11:08	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/27/21 11:08	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/27/21 11:08	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/27/21 11:08	1
Naphthalene	ND		1.0	1.0	ug/L			01/27/21 11:08	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/27/21 11:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/27/21 11:08	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/27/21 11:08	1
o-Xylene	ND		5.0	0.60	ug/L			01/27/21 11:08	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/27/21 11:08	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/27/21 11:08	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/27/21 11:08	1
Styrene	ND		1.0	1.0	ug/L			01/27/21 11:08	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/27/21 11:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/27/21 11:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/27/21 11:08	1
Toluene	ND		1.0	0.41	ug/L			01/27/21 11:08	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 11:08	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 11:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/27/21 11:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/27/21 11:08	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/27/21 11:08	1
Trichloroethene	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/27/21 11:08	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/27/21 11:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/27/21 11:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/27/21 11:08	1
Vinyl acetate	ND		25	2.0	ug/L			01/27/21 11:08	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/27/21 11:08	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-518565/5
Matrix: Water
Analysis Batch: 518565

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		10	1.6	ug/L			01/27/21 11:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*78 - 118*		*01/27/21 11:08*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/27/21 11:08*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*01/27/21 11:08*	*1*

Lab Sample ID: LCS 400-518565/1002
Matrix: Water
Analysis Batch: 518565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	172		ug/L		86	43 - 160
Acrolein	500	622		ug/L		124	38 - 160
Acrylonitrile	500	450		ug/L		90	64 - 142
Benzene	50.0	45.8		ug/L		92	70 - 130
Bromobenzene	50.0	52.8		ug/L		106	70 - 132
Bromochloromethane	50.0	47.0		ug/L		94	70 - 130
Bromodichloromethane	50.0	43.3		ug/L		87	67 - 133
Bromoform	50.0	48.7		ug/L		97	57 - 140
Bromomethane	50.0	48.9		ug/L		98	10 - 160
2-Butanone (MEK)	200	175		ug/L		87	61 - 145
Carbon disulfide	50.0	43.8		ug/L		88	61 - 137
Carbon tetrachloride	50.0	44.9		ug/L		90	61 - 137
Chlorobenzene	50.0	48.4		ug/L		97	70 - 130
Dibromochloromethane	50.0	45.4		ug/L		91	67 - 135
Chloroethane	50.0	53.5		ug/L		107	55 - 141
2-Chloroethyl vinyl ether	50.0	29.0		ug/L		58	10 - 160
Chloroform	50.0	43.5		ug/L		87	69 - 130
1-Chlorohexane	50.0	50.4		ug/L		101	69 - 130
Chloromethane	50.0	47.9		ug/L		96	58 - 137
cis-1,2-Dichloroethene	50.0	46.5		ug/L		93	68 - 130
cis-1,3-Dichloropropene	50.0	47.0		ug/L		94	69 - 132
1,2-Dichlorobenzene	50.0	49.9		ug/L		100	67 - 130
1,3-Dichlorobenzene	50.0	53.5		ug/L		107	70 - 130
1,4-Dichlorobenzene	50.0	50.5		ug/L		101	70 - 130
Dichlorodifluoromethane	50.0	46.9		ug/L		94	41 - 146
1,1-Dichloroethane	50.0	45.5		ug/L		91	70 - 130
1,2-Dichloroethane	50.0	41.9		ug/L		84	69 - 130
1,1-Dichloroethene	50.0	42.4		ug/L		85	63 - 134
1,2-Dichloropropane	50.0	43.9		ug/L		88	70 - 130
1,3-Dichloropropane	50.0	44.4		ug/L		89	70 - 130
2,2-Dichloropropane	50.0	45.5		ug/L		91	52 - 135
1,1-Dichloropropene	50.0	47.1		ug/L		94	70 - 130
Ethylbenzene	50.0	51.1		ug/L		102	70 - 130
Ethyl methacrylate	50.0	47.3		ug/L		95	68 - 130
Hexachlorobutadiene	50.0	62.3		ug/L		125	53 - 140
2-Hexanone	200	181		ug/L		90	65 - 137

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-518565/1002
Matrix: Water
Analysis Batch: 518565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	54.7		ug/L		109	70 - 130
Methylene bromide	50.0	44.3		ug/L		89	70 - 130
Methylene Chloride	50.0	44.8		ug/L		90	66 - 135
4-Methyl-2-pentanone (MIBK)	200	177		ug/L		88	69 - 138
Methyl tert-butyl ether	50.0	45.3		ug/L		91	66 - 130
m-Xylene & p-Xylene	50.0	51.6		ug/L		103	70 - 130
Naphthalene	50.0	52.2		ug/L		104	47 - 149
n-Butylbenzene	50.0	68.1	*+	ug/L		136	67 - 130
N-Propylbenzene	50.0	57.8		ug/L		116	70 - 130
o-Chlorotoluene	50.0	53.7		ug/L		107	70 - 130
o-Xylene	50.0	50.6		ug/L		101	70 - 130
p-Chlorotoluene	50.0	53.6		ug/L		107	70 - 130
p-Isopropyltoluene	50.0	65.7	*+	ug/L		131	65 - 130
sec-Butylbenzene	50.0	60.4		ug/L		121	66 - 130
Styrene	50.0	48.9		ug/L		98	70 - 130
tert-Butylbenzene	50.0	49.9		ug/L		100	64 - 139
1,1,1,2-Tetrachloroethane	50.0	46.2		ug/L		92	67 - 131
1,1,2,2-Tetrachloroethane	50.0	45.7		ug/L		91	70 - 131
Tetrachloroethene	50.0	48.3		ug/L		97	65 - 130
Toluene	50.0	47.8		ug/L		96	70 - 130
trans-1,2-Dichloroethene	50.0	44.9		ug/L		90	70 - 130
trans-1,3-Dichloropropene	50.0	46.7		ug/L		93	63 - 130
1,2,3-Trichlorobenzene	50.0	58.4		ug/L		117	60 - 138
1,2,4-Trichlorobenzene	50.0	60.5		ug/L		121	60 - 140
1,1,1-Trichloroethane	50.0	43.9		ug/L		88	68 - 130
1,1,2-Trichloroethane	50.0	44.5		ug/L		89	70 - 130
Trichloroethene	50.0	45.8		ug/L		92	70 - 130
Trichlorofluoromethane	50.0	45.2		ug/L		90	65 - 138
1,2,3-Trichloropropane	50.0	45.7		ug/L		91	70 - 130
1,2,4-Trimethylbenzene	50.0	61.4		ug/L		123	70 - 130
1,3,5-Trimethylbenzene	50.0	56.6		ug/L		113	69 - 130
Vinyl acetate	100	98.6		ug/L		99	26 - 160
Vinyl chloride	50.0	53.6		ug/L		107	59 - 136
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*78 - 118*
Dibromofluoromethane	*99*		*81 - 121*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 400-518707/4
Matrix: Water
Analysis Batch: 518707

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	1.0	ug/L			01/28/21 08:26	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/28/21 08:26	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-518707/4
Matrix: Water
Analysis Batch: 518707

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		78 - 118		01/28/21 08:26	1
Dibromofluoromethane	107		81 - 121		01/28/21 08:26	1
Toluene-d8 (Surr)	98		80 - 120		01/28/21 08:26	1

Lab Sample ID: LCS 400-518707/1002
Matrix: Water
Analysis Batch: 518707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	50.0	43.6		ug/L		87	47 - 149
n-Butylbenzene	50.0	51.3		ug/L		103	67 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	94		78 - 118
Dibromofluoromethane	103		81 - 121
Toluene-d8 (Surr)	95		80 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-517731/1-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517731

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/18/21 13:41	01/20/21 16:55	1
Benzenethiol	ND		10	1.7	ug/L		01/18/21 13:41	01/20/21 16:55	1
Benzoic acid	ND		30	7.3	ug/L		01/18/21 13:41	01/20/21 16:55	1
Benzyl alcohol	ND		10	2.0	ug/L		01/18/21 13:41	01/20/21 16:55	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		01/18/21 13:41	01/20/21 16:55	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		01/18/21 13:41	01/20/21 16:55	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		01/18/21 13:41	01/20/21 16:55	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		01/18/21 13:41	01/20/21 16:55	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		01/18/21 13:41	01/20/21 16:55	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		01/18/21 13:41	01/20/21 16:55	1
4-Chloroaniline	ND		10	3.4	ug/L		01/18/21 13:41	01/20/21 16:55	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/18/21 13:41	01/20/21 16:55	1
2-Chloronaphthalene	ND		10	0.14	ug/L		01/18/21 13:41	01/20/21 16:55	1
2-Chlorophenol	ND		10	2.2	ug/L		01/18/21 13:41	01/20/21 16:55	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/18/21 13:41	01/20/21 16:55	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 16:55	1
Dibenzofuran	ND		10	0.17	ug/L		01/18/21 13:41	01/20/21 16:55	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/18/21 13:41	01/20/21 16:55	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/18/21 13:41	01/20/21 16:55	1
Diethyl phthalate	ND		10	0.24	ug/L		01/18/21 13:41	01/20/21 16:55	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/18/21 13:41	01/20/21 16:55	1
Dimethyl phthalate	ND		10	0.17	ug/L		01/18/21 13:41	01/20/21 16:55	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/18/21 13:41	01/20/21 16:55	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		01/18/21 13:41	01/20/21 16:55	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517731/1-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517731

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/18/21 13:41	01/20/21 16:55	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/18/21 13:41	01/20/21 16:55	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/18/21 13:41	01/20/21 16:55	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		01/18/21 13:41	01/20/21 16:55	1
1,4-Dioxane	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 16:55	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 16:55	1
Hexachlorobenzene	ND		10	0.17	ug/L		01/18/21 13:41	01/20/21 16:55	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/18/21 13:41	01/20/21 16:55	1
Hexachloroethane	ND		10	4.2	ug/L		01/18/21 13:41	01/20/21 16:55	1
Indene	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 16:55	1
Isophorone	ND		10	0.14	ug/L		01/18/21 13:41	01/20/21 16:55	1
2-Methylphenol	ND		10	1.8	ug/L		01/18/21 13:41	01/20/21 16:55	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		01/18/21 13:41	01/20/21 16:55	1
2-Nitroaniline	ND		10	2.2	ug/L		01/18/21 13:41	01/20/21 16:55	1
3-Nitroaniline	ND		10	1.8	ug/L		01/18/21 13:41	01/20/21 16:55	1
4-Nitroaniline	ND		10	1.5	ug/L		01/18/21 13:41	01/20/21 16:55	1
Nitrobenzene	ND		10	0.13	ug/L		01/18/21 13:41	01/20/21 16:55	1
2-Nitrophenol	ND		10	5.2	ug/L		01/18/21 13:41	01/20/21 16:55	1
4-Nitrophenol	ND		10	2.1	ug/L		01/18/21 13:41	01/20/21 16:55	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/18/21 13:41	01/20/21 16:55	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/18/21 13:41	01/20/21 16:55	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		01/18/21 13:41	01/20/21 16:55	1
Pentachlorophenol	ND		20	1.4	ug/L		01/18/21 13:41	01/20/21 16:55	1
Phenol	ND		10	2.6	ug/L		01/18/21 13:41	01/20/21 16:55	1
Pyridine	ND		10	3.2	ug/L		01/18/21 13:41	01/20/21 16:55	1
Quinoline	ND		10	4.5	ug/L		01/18/21 13:41	01/20/21 16:55	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/18/21 13:41	01/20/21 16:55	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/18/21 13:41	01/20/21 16:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*46 - 124*	*01/18/21 13:41*	*01/20/21 16:55*	*1*
2-Fluorophenol	*18*		*13 - 113*	*01/18/21 13:41*	*01/20/21 16:55*	*1*
Nitrobenzene-d5	*55*		*36 - 126*	*01/18/21 13:41*	*01/20/21 16:55*	*1*
Phenol-d5	*44*		*17 - 127*	*01/18/21 13:41*	*01/20/21 16:55*	*1*
Terphenyl-d14	*69*		*44 - 149*	*01/18/21 13:41*	*01/20/21 16:55*	*1*
2,4,6-Tribromophenol	*65*		*26 - 150*	*01/18/21 13:41*	*01/20/21 16:55*	*1*

Lab Sample ID: LCS 400-517731/2-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	67.1		ug/L		56	21 - 120
Benzoic acid	502	142		ug/L		28	10 - 144
Benzyl alcohol	120	63.6		ug/L		53	28 - 120
Bis(2-chloroethoxy)methane	120	62.3		ug/L		52	47 - 120
Bis(2-chloroethyl)ether	120	65.2		ug/L		54	44 - 120
bis (2-chloroisopropyl) ether	120	58.6		ug/L		49	33 - 121

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517731/2-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	120	81.4		ug/L		68	52 - 147
4-Bromophenyl phenyl ether	120	70.8		ug/L		59	54 - 122
Butyl benzyl phthalate	120	75.4		ug/L		63	54 - 133
4-Chloroaniline	120	52.7		ug/L		44	26 - 120
4-Chloro-3-methylphenol	120	71.3		ug/L		59	48 - 131
2-Chloronaphthalene	120	69.9		ug/L		58	52 - 121
2-Chlorophenol	120	53.2		ug/L		44	40 - 120
4-Chlorophenyl phenyl ether	120	75.7		ug/L		63	56 - 125
Dibenz[a,h]acridine	120	69.7		ug/L		58	31 - 150
Dibenzofuran	120	74.9		ug/L		62	56 - 122
3,3'-Dichlorobenzidine	160	83.3		ug/L		52	36 - 132
2,4-Dichlorophenol	120	67.6		ug/L		56	49 - 120
Diethyl phthalate	120	80.7		ug/L		67	50 - 137
2,4-Dimethylphenol	120	69.7		ug/L		58	48 - 120
Dimethyl phthalate	120	72.7		ug/L		61	57 - 124
Di-n-butyl phthalate	120	86.6		ug/L		72	58 - 126
4,6-Dinitro-ortho-cresol	240	149		ug/L		62	23 - 148
2,4-Dinitrophenol	240	150		ug/L		62	10 - 150
2,4-Dinitrotoluene	120	77.1		ug/L		64	54 - 142
2,6-Dinitrotoluene	120	71.9		ug/L		60	55 - 130
Di-n-octyl phthalate	120	83.6		ug/L		70	57 - 138
1,4-Dioxane	120	47.9		ug/L		40	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	64.0		ug/L		53	45 - 124
Hexachlorobenzene	120	77.9		ug/L		65	52 - 129
Hexachlorocyclopentadiene	120	53.6		ug/L		45	10 - 134
Hexachloroethane	120	70.1		ug/L		58	20 - 120
Indene	120	63.2		ug/L		53	49 - 120
Isophorone	120	64.3		ug/L		54	48 - 120
2-Methylphenol	120	65.6		ug/L		55	46 - 124
3 & 4 Methylphenol	120	66.6		ug/L		56	45 - 120
2-Nitroaniline	120	62.5		ug/L		52	51 - 145
3-Nitroaniline	120	47.3		ug/L		39	37 - 127
4-Nitroaniline	120	68.3		ug/L		57	36 - 137
Nitrobenzene	120	59.7		ug/L		50	45 - 120
2-Nitrophenol	120	68.9		ug/L		57	40 - 124
4-Nitrophenol	240	136		ug/L		57	23 - 146
N-Nitrosodimethylamine	120	58.2		ug/L		49	29 - 137
N-Nitrosodi-n-propylamine	120	71.3		ug/L		59	45 - 120
N-Nitrosodiphenylamine	119	64.6		ug/L		54	54 - 120
Pentachlorophenol	240	139		ug/L		58	31 - 130
Phenol	120	54.6		ug/L		45	11 - 120
Pyridine	240	83.1		ug/L		35	16 - 120
Quinoline	120	71.1		ug/L		59	49 - 130
2,4,5-Trichlorophenol	120	71.5		ug/L		60	51 - 136
2,4,6-Trichlorophenol	120	72.3		ug/L		60	50 - 127

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517731/2-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517731

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	61		46 - 124
2-Fluorophenol	26		13 - 113
Nitrobenzene-d5	55		36 - 126
Phenol-d5	42		17 - 127
Terphenyl-d14	56		44 - 149
2,4,6-Tribromophenol	63		26 - 150

Lab Sample ID: LCS 400-517731/4-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	ND	*-	ug/L		0.8	10 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	49		46 - 124
2-Fluorophenol	21		13 - 113
Nitrobenzene-d5	43		36 - 126
Phenol-d5	37		17 - 127
Terphenyl-d14	49		44 - 149
2,4,6-Tribromophenol	22	S1-	26 - 150

Lab Sample ID: LCSD 400-517731/3-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	120	68.5		ug/L		57	21 - 120	2	30
Benzoic acid	502	266	*1	ug/L		53	10 - 144	61	30
Benzyl alcohol	120	74.4		ug/L		62	28 - 120	16	30
Bis(2-chloroethoxy)methane	120	71.9		ug/L		60	47 - 120	14	30
Bis(2-chloroethyl)ether	120	92.7	*1	ug/L		77	44 - 120	35	30
bis (2-chloroisopropyl) ether	120	67.2		ug/L		56	33 - 121	14	30
Bis(2-ethylhexyl) phthalate	120	96.1		ug/L		80	52 - 147	17	30
4-Bromophenyl phenyl ether	120	82.0		ug/L		68	54 - 122	15	30
Butyl benzyl phthalate	120	91.2		ug/L		76	54 - 133	19	30
4-Chloroaniline	120	59.1		ug/L		49	26 - 120	11	30
4-Chloro-3-methylphenol	120	79.0		ug/L		66	48 - 131	10	30
2-Chloronaphthalene	120	84.8		ug/L		71	52 - 121	19	30
2-Chlorophenol	120	60.0		ug/L		50	40 - 120	12	30
4-Chlorophenyl phenyl ether	120	87.2		ug/L		73	56 - 125	14	30
Dibenz[a,h]acridine	120	72.6		ug/L		61	31 - 150	4	30
Dibenzofuran	120	87.2		ug/L		73	56 - 122	15	30
3,3'-Dichlorobenzidine	160	90.9		ug/L		57	36 - 132	9	30
2,4-Dichlorophenol	120	74.9		ug/L		62	49 - 120	10	30
Diethyl phthalate	120	92.7		ug/L		77	50 - 137	14	30
2,4-Dimethylphenol	120	80.3		ug/L		67	48 - 120	14	30
Dimethyl phthalate	120	84.2		ug/L		70	57 - 124	15	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-517731/3-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-butyl phthalate	120	101		ug/L		84	58 - 126	16	30
4,6-Dinitro-ortho-cresol	240	170		ug/L		71	23 - 148	13	30
2,4-Dinitrophenol	240	179		ug/L		74	10 - 150	17	30
2,4-Dinitrotoluene	120	89.0		ug/L		74	54 - 142	14	30
2,6-Dinitrotoluene	120	83.6		ug/L		70	55 - 130	15	30
Di-n-octyl phthalate	120	98.6		ug/L		82	57 - 138	16	30
1,4-Dioxane	120	55.1		ug/L		46	31 - 120	14	30
1,2-Diphenylhydrazine (as Azobenzene)	120	74.2		ug/L		62	45 - 124	15	30
Hexachlorobenzene	120	89.9		ug/L		75	52 - 129	14	30
Hexachlorocyclopentadiene	120	65.6		ug/L		55	10 - 134	20	30
Hexachloroethane	120	79.3		ug/L		66	20 - 120	12	30
Indene	120	72.6		ug/L		61	49 - 120	14	30
Isophorone	120	73.4		ug/L		61	48 - 120	13	30
2-Methylphenol	120	80.2		ug/L		67	46 - 124	20	30
3 & 4 Methylphenol	120	77.3		ug/L		64	45 - 120	15	30
2-Nitroaniline	120	72.4		ug/L		60	51 - 145	15	30
3-Nitroaniline	120	55.4		ug/L		46	37 - 127	16	30
4-Nitroaniline	120	81.4		ug/L		68	36 - 137	18	30
Nitrobenzene	120	69.1		ug/L		58	45 - 120	15	30
2-Nitrophenol	120	78.1		ug/L		65	40 - 124	12	30
4-Nitrophenol	240	143		ug/L		60	23 - 146	5	30
N-Nitrosodimethylamine	120	69.6		ug/L		58	29 - 137	18	30
N-Nitrosodi-n-propylamine	120	83.0		ug/L		69	45 - 120	15	30
N-Nitrosodiphenylamine	119	75.3		ug/L		63	54 - 120	15	30
Pentachlorophenol	240	165		ug/L		69	31 - 130	17	30
Phenol	120	61.9		ug/L		52	11 - 120	13	30
Pyridine	240	101		ug/L		42	16 - 120	19	30
Quinoline	120	47.6	*- *1	ug/L		40	49 - 130	40	30
2,4,5-Trichlorophenol	120	80.9		ug/L		67	51 - 136	12	30
2,4,6-Trichlorophenol	120	81.8		ug/L		68	50 - 127	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*46 - 124*
2-Fluorophenol	*27*		*13 - 113*
Nitrobenzene-d5	*62*		*36 - 126*
Phenol-d5	*46*		*17 - 127*
Terphenyl-d14	*66*		*44 - 149*
2,4,6-Tribromophenol	*69*		*26 - 150*

Lab Sample ID: LCSD 400-517731/5-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	4.49	J *- *1	ug/L		4	10 - 120	128	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-517731/5-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517731

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	71		46 - 124
2-Fluorophenol	40		13 - 113
Nitrobenzene-d5	57		36 - 126
Phenol-d5	54		17 - 127
Terphenyl-d14	72		44 - 149
2,4,6-Tribromophenol	54		26 - 150

Lab Sample ID: MB 400-518330/1-A
Matrix: Water
Analysis Batch: 518676

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 518330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		01/25/21 08:51	01/27/21 18:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	81		46 - 124	01/25/21 08:51	01/27/21 18:01	1
2-Fluorophenol	43		13 - 113	01/25/21 08:51	01/27/21 18:01	1
Nitrobenzene-d5	85		36 - 126	01/25/21 08:51	01/27/21 18:01	1
Phenol-d5	73		17 - 127	01/25/21 08:51	01/27/21 18:01	1
Terphenyl-d14	97		44 - 149	01/25/21 08:51	01/27/21 18:01	1
2,4,6-Tribromophenol	81		26 - 150	01/25/21 08:51	01/27/21 18:01	1

Lab Sample ID: LCS 400-518330/2-A
Matrix: Water
Analysis Batch: 518676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 518330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	120	120		ug/L		100	52 - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	81		46 - 124
2-Fluorophenol	55		13 - 113
Nitrobenzene-d5	96		36 - 126
Phenol-d5	79		17 - 127
Terphenyl-d14	99		44 - 149
2,4,6-Tribromophenol	106		26 - 150

Lab Sample ID: LCSD 400-518330/3-A
Matrix: Water
Analysis Batch: 518676

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 518330

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	120	129		ug/L		107	52 - 147	8	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	79		46 - 124
2-Fluorophenol	41		13 - 113

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-518330/3-A
Matrix: Water
Analysis Batch: 518676

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 518330

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5	94		36 - 126
Phenol-d5	68		17 - 127
Terphenyl-d14	97		44 - 149
2,4,6-Tribromophenol	97		26 - 150

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-517731/1-A
Matrix: Water
Analysis Batch: 517959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517731

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		01/18/21 13:41	01/20/21 12:09	1
Acenaphthylene	ND		0.20	0.045	ug/L		01/18/21 13:41	01/20/21 12:09	1
Anthracene	0.0385	J	0.20	0.032	ug/L		01/18/21 13:41	01/20/21 12:09	1
Benzo[a]anthracene	0.150	J	0.20	0.046	ug/L		01/18/21 13:41	01/20/21 12:09	1
Benzo[a]pyrene	0.110	J	0.20	0.042	ug/L		01/18/21 13:41	01/20/21 12:09	1
Benzo[b]fluoranthene	0.0610	J	0.20	0.034	ug/L		01/18/21 13:41	01/20/21 12:09	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		01/18/21 13:41	01/20/21 12:09	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		01/18/21 13:41	01/20/21 12:09	1
Chrysene	ND		0.20	0.074	ug/L		01/18/21 13:41	01/20/21 12:09	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		01/18/21 13:41	01/20/21 12:09	1
Fluoranthene	0.0838	J	0.20	0.068	ug/L		01/18/21 13:41	01/20/21 12:09	1
Fluorene	ND		0.20	0.11	ug/L		01/18/21 13:41	01/20/21 12:09	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		01/18/21 13:41	01/20/21 12:09	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		01/18/21 13:41	01/20/21 12:09	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		01/18/21 13:41	01/20/21 12:09	1
Phenanthrene	ND		0.20	0.036	ug/L		01/18/21 13:41	01/20/21 12:09	1
Pyrene	0.0685	J	0.20	0.040	ug/L		01/18/21 13:41	01/20/21 12:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	67		15 - 122	01/18/21 13:41	01/20/21 12:09	1
Nitrobenzene-d5	69		19 - 130	01/18/21 13:41	01/20/21 12:09	1
Terphenyl-d14	76		33 - 138	01/18/21 13:41	01/20/21 12:09	1

Lab Sample ID: LCS 400-517731/2-A
Matrix: Water
Analysis Batch: 517959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	93.9		ug/L		78	41 - 120
Acenaphthylene	120	98.2		ug/L		82	44 - 120
Anthracene	120	104		ug/L		87	49 - 120
Benzo[a]anthracene	120	97.0		ug/L		81	61 - 135
Benzo[a]pyrene	120	108		ug/L		90	52 - 120
Benzo[b]fluoranthene	120	115		ug/L		96	53 - 134
Benzo[g,h,i]perylene	120	115		ug/L		96	47 - 133
Benzo[k]fluoranthene	120	105		ug/L		88	57 - 134

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-517731/2-A
Matrix: Water
Analysis Batch: 517959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chrysene	120	96.9		ug/L		81	55 - 122
Dibenz(a,h)anthracene	120	119		ug/L		99	48 - 146
Fluoranthene	120	97.0		ug/L		81	54 - 128
Fluorene	120	96.3		ug/L		80	45 - 125
Indeno[1,2,3-cd]pyrene	120	111		ug/L		93	43 - 142
1-Methylnaphthalene	120	76.8		ug/L		64	41 - 120
2-Methylnaphthalene	120	76.0		ug/L		63	32 - 124
Phenanthrene	120	101		ug/L		85	48 - 120
Pyrene	120	105		ug/L		88	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*15 - 122*
Nitrobenzene-d5	*69*		*19 - 130*
Terphenyl-d14	*80*		*33 - 138*

Lab Sample ID: LCSD 400-517731/3-A
Matrix: Water
Analysis Batch: 517959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	120	110		ug/L		92	41 - 120	16	56
Acenaphthylene	120	113		ug/L		95	44 - 120	14	56
Anthracene	120	121		ug/L		101	49 - 120	15	51
Benzo[a]anthracene	120	113		ug/L		94	61 - 135	15	49
Benzo[a]pyrene	120	127		ug/L		106	52 - 120	16	50
Benzo[b]fluoranthene	120	127		ug/L		106	53 - 134	10	54
Benzo[g,h,i]perylene	120	129		ug/L		107	47 - 133	11	50
Benzo[k]fluoranthene	120	125		ug/L		105	57 - 134	18	52
Chrysene	120	115		ug/L		95	55 - 122	17	50
Dibenz(a,h)anthracene	120	135		ug/L		112	48 - 146	12	50
Fluoranthene	120	113		ug/L		94	54 - 128	15	52
Fluorene	120	113		ug/L		94	45 - 125	16	56
Indeno[1,2,3-cd]pyrene	120	127		ug/L		106	43 - 142	13	51
1-Methylnaphthalene	120	86.5		ug/L		72	41 - 120	12	55
2-Methylnaphthalene	120	84.6		ug/L		70	32 - 124	11	57
Phenanthrene	120	118		ug/L		99	48 - 120	15	56
Pyrene	120	121		ug/L		101	48 - 132	14	52

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*15 - 122*
Nitrobenzene-d5	*63*		*19 - 130*
Terphenyl-d14	*88*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-517923/1-A
Matrix: Water
Analysis Batch: 517997

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517923

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/20/21 09:13	01/20/21 15:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*51 - 149*	*01/20/21 09:13*	*01/20/21 15:14*	*1*

Lab Sample ID: LCS 400-517923/2-A
Matrix: Water
Analysis Batch: 517997

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517923

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.127		ug/L		127	60 - 140
1,2-Dibromoethane	0.101	0.117		ug/L		116	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*51 - 149*

Lab Sample ID: LCSD 400-517923/3-A
Matrix: Water
Analysis Batch: 517997

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517923

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.101	0.120		ug/L		119	60 - 140	6	30
1,2-Dibromoethane	0.101	0.113		ug/L		112	60 - 140	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*51 - 149*

Lab Sample ID: MB 400-518215/1-A
Matrix: Water
Analysis Batch: 518231

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 518215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/22/21 12:09	01/22/21 15:07	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/22/21 12:09	01/22/21 15:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*51 - 149*	*01/22/21 12:09*	*01/22/21 15:07*	*1*

Lab Sample ID: LCS 400-518215/2-A
Matrix: Water
Analysis Batch: 518231

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 518215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.122		ug/L		121	60 - 140
1,2-Dibromoethane	0.101	0.112		ug/L		111	60 - 140

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCS 400-518215/2-A
Matrix: Water
Analysis Batch: 518231

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 518215

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*51 - 149*

Lab Sample ID: LCSD 400-518215/3-A
Matrix: Water
Analysis Batch: 518231

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 518215

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.115		ug/L		114	60 - 140	6	30
1,2-Dibromoethane			0.101	0.109		ug/L		109	60 - 140	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*51 - 149*

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
☐ Other Lab Vendor # 1364589 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES

Print Bill To Contact Name:	PlaNet Site or Project ID
Bob Moosheglan	25278
PO #	GSAP Project ID
60648474 – 3.2.1F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES DATE: 1-13-21
PAGE: 1 of 2

SAMPLING COMPANY: AECOM
LOG CODE:
ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA
PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington
TELEPHONE: 314-429-0100 FAX: 314-429-0462
Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA State: IL
AECOM Project / Task Number: Roxana Quarterly GW 60648474 – 3.2.1F
EDF DELIVERABLE TO (Name, Company, Office Location): Elizabeth Kunkel, AECOM, St. Louis, MO; Melissa Remiger, Bob Billman, Wendy Pennington
PHONE NO.: 314-802-1171; 314-449-2913; 314-802-1122
E-MAIL: elizabeth.kunkel@aecom.com, melissa.remiger@aecom.com, bob.billman@aecom.com, wendy.pennington@aecom.com
AECOM Other ID:
SAMPLER NAME(S) (Print): M D'Angelo J Mayer
LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
* Please include "J" values on Reports
* Please provide sample receipt upon login

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
NON-UNIT COST
60648474 – 3.2.1F

400-198213 COC

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL
	TB-ROX-011321-8260-A	1/13/21	0000	water	2					2	X			
	TB-ROX-011321-8011-A		0000		2					2			X	
	MW11-ROX-011321		0905		6			2		8	X	X	X	X
	MW22-ROX-011321		1020		6			2		8	X	X	X	X
	MW16-ROX-011321		1120		6			2		8	X	X	X	X
	ROST4PZG-ROX-011321		1240		6			2		8	X	X	X	X

M D'Angelo 1/13/21

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
Container PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
M D'Angelo	Fedex: 9345 4056 8490 / 9345 4056 8489	1-13-21	1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time
Relinquished by: (Signature)	Received by (Signature)	Date: 1-14-21	Time: 9:39

Version 14Dec15

CUSTODY SEALS - 1450593 / 1450592 1450594 / 1450595
0.0c, 0.8c IR9

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1/29/2021

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))
☐ Other Lab Vendor # 1364586 (TestAmerica)

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES

Print Bill To Contact Name:	PlaNet Site or Project ID
Bob Mooshegian	25278
PO #	GSAP Project ID
60648474 – 3.2.1F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES DATE: 1-13-21

PAGE: 2 of 2

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60648474 – 3.2.1F

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Elizabeth Kunkel, AECOM, St. Louis, MO; Melissa Remiger, Bob Billman, Wendy Pennington

PHONE NO: 314-802-1171; 314-449-2913; 314-802-1122

E-MAIL: elizabeth.kunkel@aecom.com, melissa.remiger@aecom.com, bob.billman@aecom.com, wendy.pennington@aecom.com

AECOM Other ID:

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com

SAMPLER NAME(S) (Print): B Howell A Oliver

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C° Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :
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☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
NON-UNIT COST
60648474 – 3.2.1F

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL
	TB-ROX-011321-8260-B	1/13/21	0000	water	2					2	X			
	TB-ROX-011321-8011-B		0000		2					2			X	
	P59-ROX-011321		0940		6			2		8	X	X	X	X
	P57-ROX-011321-EB		1000		6			2		8	X	X	X	X
	P57-ROX-011321		1110		6			2		8	X	X	X	X
	P57-ROX-011321-Dup		1110		6			2		8	X	X	X	X
	~~P59D-ROX-011321~~													
	P93D-ROX-011321	1/13/21	1220		6			2		8	X	X	X	X
													AO	

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

AO 1/15/21

	Relinquished by (Signature)	Received by (Signature)	Date	Time
		Fedex: SEE pg 1	1-13-21	1600
			1-14-21	9:39

Version 14Dec15

CUSTODY SEALS - SEE pg 1

0.0°, 0.0° 1C9

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1/29/2021

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-198213-1

Login Number: 198213
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins TestAmerica, Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C, 0.8°C IR-9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198213-1

Laboratory: Eurofins TestAmerica, Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-21
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-02-21
California	State	2510	06-30-21
Florida	NELAP	E81010	06-30-21
Georgia	State	E81010(FL)	06-30-21
Illinois	NELAP	200041	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-21
Kentucky (UST)	State	53	06-30-21
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-21
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-21
Michigan	State	9912	06-30-21
New Jersey	NELAP	FL006	06-30-21
New York	NELAP	12115	04-01-21
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810-186	08-31-21
Pennsylvania	NELAP	68-00467	01-31-21
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026002	06-30-21
Tennessee	State	TN02907	06-30-21
Texas	NELAP	T104704286	09-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-21
Washington	State	C915	05-15-21
West Virginia DEP	State	136	06-30-21

Roxana Groundwater Quarterly – 1st Quarter 2021 Data Review

Laboratory SDG: 400-198248-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 2/12/2021

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2017

Sample Identification	Sample Identification
TB-ROX-011421-8260-A	TB-ROX-011421-8011-A
MW2-ROX-011421	ROST4PZC-ROX-011421
MW28-ROX-011421	TB-ROX-011421-8260-B
TB-ROX-011421-8011-B	P93A-ROX-011421
P93B-ROX-011421	P93B-ROX-011421-Dup

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated bis(2-ethylhexyl) phthalate was re-extracted outside holding time criteria. Several PAHs were detected in the method blank. VOC LCS and SVOC LCS/LCSD recoveries and/or SVOC LCS/LCSD RPDs for several analytes were outside evaluation criteria. Several SVOC surrogate recoveries were outside criteria in several samples. Several VOC MS/MSD recoveries were outside evaluation criteria in sample MW2-ROX-011421. In field duplicate pair P93B-ROX-011421/P93B-ROX-011421-Dup, results for phenol were qualified due to field duplicate RPD above evaluation criteria; therefore, results were qualified as estimated (**J**/**J**). Field duplicate pair P93B-ROX-011421/P93B-ROX-011421-Dup, and benzene in P93A-ROX-011421, were diluted to bring VOCs into calibration range of the instrument. These issues are addressed further in the appropriate sections of this data review.

Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.

The cooler receipt form did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

No, bis(2-ethylhexyl) phthalate was re-extracted 4 days outside extraction time criteria (7 days) for analysis confirmation. Professional judgement was used to qualify as estimated, however, not reject the out of holding time data. Holding time exceedances were not greater than two times (2X) criteria; data requiring qualification is summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW2-ROX-011421 – RERA	SVOCs	bis(2-Ethylhexyl) phthalate	**UJ**
ROST4PZC-ROX-011421 – RERA	SVOCs	bis(2-Ethylhexyl) phthalate	**UJ**
MW28-ROX-011421 – RERA	SVOCs	bis(2-Ethylhexyl) phthalate	**UJ**
P93A-ROX-011421 – RERA	SVOCs	bis(2-Ethylhexyl) phthalate	**UJ**
P93B-ROX-011421 – RERA	SVOCs	bis(2-Ethylhexyl) phthalate	**UJ**
P93B-ROX-011421-Dup – RERA	SVOCs	bis(2-Ethylhexyl) phthalate	**UJ**

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration /Amount
MB 400-517731/1-A	PAHs	Anthracene	0.0385 µg/L
MB 400-517731/1-A	PAHs	Benzo[a]anthracene	0.150 µg/L
MB 400-517731/1-A	PAHs	Benzo[a]pyrene	0.110 µg/L
MB 400-517731/1-A	PAHs	Benzo[b]fluoranthene	0.0610 µg/L
MB 400-517731/1-A	PAHs	Fluoranthene	0.0838 µg/L
MB 400-517731/1-A	PAHs	Pyrene	0.0685 µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification.

Sample ID	Parameter	Analyte	New Reporting Limit (RL)	Qualification
ROST4PZC-ROX-011421	PAHs	Benzo[a]anthracene	-	**U**
ROST4PZC-ROX-011421	PAHs	Fluoranthene	-	**U**
ROST4PZC-ROX-011421	PAHs	Pyrene	-	**U**

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/ RPD Criteria
LCS 400-518565/1002	VOCs	n-Butylbenzene	**136**	NA	67-130
LCS 400-518565/1002	VOCs	p-Isopropyltoluene	**131**	NA	65-130
LCS/LCSD 400-517731/4-A/5-A	SVOCs	Benzenethiol	**0.8/4**	**128**	10-120/30
LCS/LCSD 400-517731/2-A/3-A	SVOCs	Benzoic acid	28/53	**61**	10-144/30
LCS/LCSD 400-517731/2-A/3-A	SVOCs	bis(2-Chloroethyl) ether	54/77	**35**	44-120/30

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/ RPD Criteria
LCS/LCSD 400-517731/2-A/3-A	SVOCs	Quinoline	59/**40**	**40**	49-130/30

Analytical data that required qualification based on LCS/LCSD data are included in the table below. Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Professional judgment was used to qualify, however not reject, data associated with benzenethiol; benzenethiol has been identified as a poor performing analyte under Method 8270.

Sample ID	Parameter	Analyte	Qualification
MW2-ROX-011421	SVOCs	Benzenethiol	**UJ**
MW2-ROX-011421	SVOCs	Quinoline	**UJ**
ROST4PZC-ROX-011421	SVOCs	Benzenethiol	**UJ**
ROST4PZC-ROX-011421	SVOCs	Quinoline	**UJ**
MW28-ROX-011421	SVOCs	Benzenethiol	**UJ**
MW28-ROX-011421	SVOCs	Quinoline	**UJ**
P93A-ROX-011421	SVOCs	Benzenethiol	**UJ**
P93A-ROX-011421	SVOCs	Quinoline	**UJ**
P93B-ROX-011421	SVOCs	Benzenethiol	**UJ**
P93B-ROX-011421	SVOCs	Quinoline	**UJ**
P93B-ROX-011421-Dup	SVOCs	Benzenethiol	**UJ**
P93B-ROX-011421-Dup	SVOCs	Quinoline	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW2-ROX-011421 – RERA	SVOCs	2,4,6-Tribromophenol	**170**	26-150
ROST4PZC-ROX-011421 – RERA	SVOCs	2-Fluorobiphenyl	**43**	46-124
MW28-ROX-011421 – RERA	SVOCs	2-Fluorobiphenyl	**44**	46-124
P93A-ROX-011421 – RERA	SVOCs	2-Fluorobiphenyl	**37**	46-124
P93B-ROX-011421-Dup	SVOCs	2-Fluorophenol	**7**	13-113
P93B-ROX-011421-Dup – RERA	SVOCs	2,4,6-Tribromophenol	**167**	26-150
LCS 400-517731/4-A	SVOCs	2,4,6-Tribromophenol	**22**	26-150

Qualifications due to surrogate recoveries were not required if only one of three acid or base/neutral SVOC surrogate recoveries were outside evaluation criteria in the associated samples. Laboratory control samples are quality control samples and do not require qualification. No qualification of data was required.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

Yes, although not requested, sample MW2-ROX-011421 was spiked and analyzed for VOCs.

Were MS/MSD recoveries within evaluation criteria?

No

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW2-ROX-011421	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-150/50
MW2-ROX-011421	VOCs	Ethylbenzene	**37/23**	5	58-131/30
MW2-ROX-011421	VOCs	Isopropylbenzene	60/**50**	5	56-133/30
MW2-ROX-011421	VOCs	m,p-Xylene	60/**53**	4	57-130/30
MW2-ROX-011421	VOCs	n-Propylbenzene	**22/-1**	9	51-138/30

Analytical data that required qualification based on MS/MSD data are included in the table below.

Sample ID	Parameter	Analyte	Qualification
MW2-ROX-011421	VOCs	2-Chloroethyl vinyl ether	**UJ**
MW2-ROX-011421	VOCs	Ethylbenzene	**J**
MW2-ROX-011421	VOCs	Isopropylbenzene	**J**
MW2-ROX-011421	VOCs	m,p-Xylene	**J**
MW2-ROX-011421	VOCs	n-Propylbenzene	**J**

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
P93B-ROX-011421	P93B-ROX-011421-Dup

Were field duplicates within evaluation criteria?

No

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
P93B-ROX-011421	P93B-ROX-011421-Dup	SVOCs	Phenol	**58**	**J/J**

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; analytes were detected in samples that were diluted.

12.0 Additional Qualifications

Were additional qualifications applied?

No

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eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-198248-1
Client Project/Site: ROXANA QUARTERLY GW

For:
AECOM Technical Services Inc.
100 N. Broadway
20th Floor
St. Louis, Missouri 63102

Attn: Elizabeth Kunkel

Authorized for release by:
1/29/2021 5:08:37 PM

Leah Klingensmith, Senior Project Manager
(615)301-5038
Leah.Klingensmith@Eurofinset.com

LINKS

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Reviewed 2/12/2021 MR

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 400-198248-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-198248-1

Comments
No additional comments.

Receipt
The samples were received on 1/15/2021 9:10 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.7° C.

GC/MS VOA
Method 8260B: The laboratory control sample (LCS) for analytical batch 400-518565 recovered outside control limits for the following analytes: 4-Isopropyltoluene and n-Butylbenzene. These analytes were biased high in the LCS and were non-detect or not reported in the associated samples; therefore, the data have been reported.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-518565 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-518565 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260B: The RPD for the MS/MSD for 2-chloroethyl vinyl ether was not calculable for analytical batch 400-518565 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

Method 8260B: The preservative used in the sample containers provided is not compatible with some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-011421-8260-A (400-198248-1), MW2-ROX-011421 (400-198248-3), ROST4PZC-ROX-011421 (400-198248-4), MW28-ROX-011421 (400-198248-5), TB-ROX-011421-8260-B (400-198248-6), P93A-ROX-011421 (400-198248-8), P93B-ROX-011421 (400-198248-9) and P93B-ROX-011421-DUP (400-198248-10). The requested target analyte list include 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: P93A-ROX-011421 (400-198248-8), P93B-ROX-011421 (400-198248-9) and P93B-ROX-011421-DUP (400-198248-10). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-517731 and analytical batch 400-517996 recovered outside control limits for the following analytes: Bis(2-chloroethyl)ether, Benzoic acid and Quinoline.

Method 8270D: The following analyte(s) recovered outside control limits for the LCSD associated with preparation batch 400-517731 and analytical batch 400-517996: Quinoline. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270D: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-517731 and analytical batch 400-517996 recovered outside control limits for the following analyte(s): Benzenethiol. Benzenethiol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for these analyte(s). These results have been reported and qualified.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-517731 and analytical batch 400-517996 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-517996 recovered outside acceptance criteria, low

Job ID: 400-198248-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

biased, for Pyridine. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: (LCS 400-517731/4-A). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-518108 recovered above the upper control limit for Phenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW2-ROX-011421 (400-198248-3), ROST4PZC-ROX-011421 (400-198248-4), MW28-ROX-011421 (400-198248-5) and P93A-ROX-011421 (400-198248-8), P93B-ROX-011421-DUP (400-198248-10). These results have been reported and qualified.

Method 8270D: Samples MW2-ROX-011421 (400-198248-3), ROST4PZC-ROX-011421 (400-198248-4), MW28-ROX-011421 (400-198248-5), P93A-ROX-011421 (400-198248-8), P93B-ROX-011421 (400-198248-9) and P93B-ROX-011421-DUP (400-198248-10) were re-extracted and re-analyzed to confirm a detection of Bis(2-ethylhexyl) phthalate. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

Method 8270D LL: The method blank for preparation batch 400-517731 and analytical batch 400-517959 contained Anthracene, Pyrene, Benzo[b]fluoranthene, Fluoranthene, Benzo[a]anthracene and Benzo[a]pyrene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8011: The continuing calibration verification (CCV) associated with batch 400-518231 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-198248-1	TB-ROX-011421-8260-A	Water	01/14/21 00:00	01/15/21 09:10	
400-198248-2	TB-ROX-011421-8011-A	Water	01/14/21 00:00	01/15/21 09:10	
400-198248-3	MW2-ROX-011421	Water	01/14/21 09:30	01/15/21 09:10	
400-198248-4	ROST4PZC-ROX-011421	Water	01/14/21 10:45	01/15/21 09:10	
400-198248-5	MW28-ROX-011421	Water	01/14/21 12:45	01/15/21 09:10	
400-198248-6	TB-ROX-011421-8260-B	Water	01/14/21 00:00	01/15/21 09:10	
400-198248-7	TB-ROX-011421-8011-B	Water	01/14/21 00:00	01/15/21 09:10	
400-198248-8	P93A-ROX-011421	Water	01/14/21 09:40	01/15/21 09:10	
400-198248-9	P93B-ROX-011421	Water	01/14/21 10:40	01/15/21 09:10	
400-198248-10	P93B-ROX-011421-DUP	Water	01/14/21 10:40	01/15/21 09:10	

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

Client Sample ID: TB-ROX-011421-8260-A

Lab Sample ID: 400-198248-1

No Detections.

Client Sample ID: TB-ROX-011421-8011-A

Lab Sample ID: 400-198248-2

No Detections.

Client Sample ID: MW2-ROX-011421

Lab Sample ID: 400-198248-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.8		1.0	0.38	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	8.4	J	25	2.6	ug/L	1		8260B	Total/NA
Ethylbenzene	120	F1	1.0	0.50	ug/L	1		8260B	Total/NA
Isopropylbenzene	66	F1	1.0	0.53	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	57	F1	5.0	1.6	ug/L	1		8260B	Total/NA
Naphthalene	20		1.0	1.0	ug/L	1		8260B	Total/NA
N-Propylbenzene	120	F1	1.0	0.69	ug/L	1		8260B	Total/NA
o-Xylene	6.2		5.0	0.60	ug/L	1		8260B	Total/NA
sec-Butylbenzene	8.7		1.0	0.70	ug/L	1		8260B	Total/NA
tert-Butylbenzene	0.94	J	1.0	0.63	ug/L	1		8260B	Total/NA
Toluene	8.3		1.0	0.41	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	18		1.0	0.82	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	48		1.0	0.56	ug/L	1		8260B	Total/NA
Xylenes, Total	63		10	1.6	ug/L	1		8260B	Total/NA
n-Butylbenzene - RA	6.6		1.0	0.76	ug/L	1		8260B	Total/NA
p-Isopropyltoluene - RA	5.9		1.0	0.71	ug/L	1		8260B	Total/NA
1-Methylnaphthalene	6.8		0.21	0.078	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	9.0		0.21	0.063	ug/L	1		8270D LL	Total/NA
Bis(2-ethylhexyl) phthalate	25		11	5.3	ug/L	1		8270D	Total/NA

Client Sample ID: ROST4PZC-ROX-011421

Lab Sample ID: 400-198248-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.8		1.0	0.38	ug/L	1		8260B	Total/NA
Carbon disulfide	0.67	J	1.0	0.50	ug/L	1		8260B	Total/NA
Ethylbenzene	16		1.0	0.50	ug/L	1		8260B	Total/NA
Isopropylbenzene	7.1		1.0	0.53	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	130		5.0	1.6	ug/L	1		8260B	Total/NA
Naphthalene	89		1.0	1.0	ug/L	1		8260B	Total/NA
N-Propylbenzene	12		1.0	0.69	ug/L	1		8260B	Total/NA
o-Xylene	1.6	J	5.0	0.60	ug/L	1		8260B	Total/NA
sec-Butylbenzene	0.72	J	1.0	0.70	ug/L	1		8260B	Total/NA
Toluene	11		1.0	0.41	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	27		1.0	0.82	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	9.1		1.0	0.56	ug/L	1		8260B	Total/NA
Xylenes, Total	130		10	1.6	ug/L	1		8260B	Total/NA
n-Butylbenzene - RA	1.0		1.0	0.76	ug/L	1		8260B	Total/NA
p-Isopropyltoluene - RA	1.1		1.0	0.71	ug/L	1		8260B	Total/NA
Acenaphthene	1.4		0.21	0.034	ug/L	1		8270D LL	Total/NA
Benzo[a]anthracene	~~0.065~~	J B	0.21	0.049	ug/L	1		8270D LL	Total/NA
Fluoranthene	~~0.085~~	J B	0.21	0.072	ug/L	1		8270D LL	Total/NA
Fluorene	1.0		0.21	0.12	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	37		0.21	0.079	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	29		0.21	0.064	ug/L	1		8270D LL	Total/NA
Phenanthrene	3.1		0.21	0.038	ug/L	1		8270D LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

Client Sample ID: ROST4PZC-ROX-011421 (Continued)

Lab Sample ID: 400-198248-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	~~0.14~~	J B U	0.21	0.042	ug/L	1		8270D LL	Total/NA
Bis(2-ethylhexyl) phthalate	13		11	5.3	ug/L	1		8270D	Total/NA

Client Sample ID: MW28-ROX-011421

Lab Sample ID: 400-198248-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	34		1.0	0.38	ug/L	1		8260B	Total/NA
Isopropylbenzene	0.54	J	1.0	0.53	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	27		1.0	0.74	ug/L	1		8260B	Total/NA
sec-Butylbenzene	1.3		1.0	0.70	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	9.2	J	10	5.2	ug/L	1		8270D	Total/NA

Client Sample ID: TB-ROX-011421-8260-B

Lab Sample ID: 400-198248-6

No Detections.

Client Sample ID: TB-ROX-011421-8011-B

Lab Sample ID: 400-198248-7

No Detections.

Client Sample ID: P93A-ROX-011421

Lab Sample ID: 400-198248-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene - DL	360		2.0	0.76	ug/L	2		8260B	Total/NA
1-Methylnaphthalene	0.11	J	0.19	0.069	ug/L	1		8270D LL	Total/NA
Bis(2-ethylhexyl) phthalate	15		9.4	4.7	ug/L	1		8270D	Total/NA

Client Sample ID: P93B-ROX-011421

Lab Sample ID: 400-198248-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1200000		5000	1900	ug/L	5000		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	8.4	J	9.5	4.7	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	2.4	J	19	0.37	ug/L	1		8270D	Total/NA
Phenol	290	J	9.5	2.5	ug/L	1		8270D	Total/NA

Client Sample ID: P93B-ROX-011421-DUP

Lab Sample ID: 400-198248-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1100000		5000	1900	ug/L	5000		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	31		9.7	4.8	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	0.95	J	19	0.38	ug/L	1		8270D	Total/NA
Phenol	160	J	9.7	2.5	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-011421-8260-A
Date Collected: 01/14/21 00:00
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/27/21 16:00	1
Acrolein	ND		20	10	ug/L			01/27/21 16:00	1
Acrylonitrile	ND		10	2.8	ug/L			01/27/21 16:00	1
Benzene	ND		1.0	0.38	ug/L			01/27/21 16:00	1
Bromobenzene	ND		1.0	0.54	ug/L			01/27/21 16:00	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/27/21 16:00	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/27/21 16:00	1
Bromoform	ND		5.0	0.71	ug/L			01/27/21 16:00	1
Bromomethane	ND		1.0	0.98	ug/L			01/27/21 16:00	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/27/21 16:00	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/27/21 16:00	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/27/21 16:00	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/27/21 16:00	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/27/21 16:00	1
Chloroethane	ND		1.0	0.76	ug/L			01/27/21 16:00	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/27/21 16:00	1
Chloroform	ND		1.0	0.60	ug/L			01/27/21 16:00	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/27/21 16:00	1
Chloromethane	ND		1.0	0.83	ug/L			01/27/21 16:00	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 16:00	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 16:00	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/27/21 16:00	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/27/21 16:00	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/27/21 16:00	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/27/21 16:00	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 16:00	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 16:00	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 16:00	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 16:00	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 16:00	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 16:00	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/27/21 16:00	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/27/21 16:00	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/27/21 16:00	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/27/21 16:00	1
2-Hexanone	ND		25	3.1	ug/L			01/27/21 16:00	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/27/21 16:00	1
Methylene bromide	ND		5.0	0.59	ug/L			01/27/21 16:00	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/27/21 16:00	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/27/21 16:00	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/27/21 16:00	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/27/21 16:00	1
Naphthalene	ND		1.0	1.0	ug/L			01/27/21 16:00	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/27/21 16:00	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/27/21 16:00	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/27/21 16:00	1
o-Xylene	ND		5.0	0.60	ug/L			01/27/21 16:00	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/27/21 16:00	1
p-Isopropyltoluene	ND	*+	1.0	0.71	ug/L			01/27/21 16:00	1

Client Sample ID: TB-ROX-011421-8260-A
Date Collected: 01/14/21 00:00
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/27/21 16:00	1
Styrene	ND		1.0	1.0	ug/L			01/27/21 16:00	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/27/21 16:00	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/27/21 16:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/27/21 16:00	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/27/21 16:00	1
Toluene	ND		1.0	0.41	ug/L			01/27/21 16:00	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 16:00	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 16:00	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/27/21 16:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/27/21 16:00	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/27/21 16:00	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/27/21 16:00	1
Trichloroethene	ND		1.0	0.50	ug/L			01/27/21 16:00	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/27/21 16:00	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/27/21 16:00	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/27/21 16:00	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/27/21 16:00	1
Vinyl acetate	ND		25	2.0	ug/L			01/27/21 16:00	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/27/21 16:00	1
Xylenes, Total	ND		10	1.6	ug/L			01/27/21 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*01/27/21 16:00*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*01/27/21 16:00*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/27/21 16:00*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

Client Sample ID: TB-ROX-011421-8011-A
Date Collected: 01/14/21 00:00
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-2
Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/22/21 12:09	01/22/21 19:04	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/22/21 12:09	01/22/21 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 19:04*	*1*

Client Sample ID: MW2-ROX-011421
Date Collected: 01/14/21 09:30
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/27/21 11:35	1
Acrolein	ND		20	10	ug/L			01/27/21 11:35	1
Acrylonitrile	ND		10	2.8	ug/L			01/27/21 11:35	1
Benzene	**2.8**		1.0	0.38	ug/L			01/27/21 11:35	1
Bromobenzene	ND		1.0	0.54	ug/L			01/27/21 11:35	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/27/21 11:35	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/27/21 11:35	1
Bromoform	ND		5.0	0.71	ug/L			01/27/21 11:35	1
Bromomethane	ND		1.0	0.98	ug/L			01/27/21 11:35	1
2-Butanone (MEK)	**8.4**	**J**	25	2.6	ug/L			01/27/21 11:35	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/27/21 11:35	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/27/21 11:35	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/27/21 11:35	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/27/21 11:35	1
Chloroethane	ND		1.0	0.76	ug/L			01/27/21 11:35	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			01/27/21 11:35	1
Chloroform	ND		1.0	0.60	ug/L			01/27/21 11:35	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/27/21 11:35	1
Chloromethane	ND		1.0	0.83	ug/L			01/27/21 11:35	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 11:35	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 11:35	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/27/21 11:35	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/27/21 11:35	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/27/21 11:35	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/27/21 11:35	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 11:35	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 11:35	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 11:35	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 11:35	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 11:35	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 11:35	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/27/21 11:35	1
Ethylbenzene	**120**	**F1** J	1.0	0.50	ug/L			01/27/21 11:35	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/27/21 11:35	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/27/21 11:35	1
2-Hexanone	ND		25	3.1	ug/L			01/27/21 11:35	1
Isopropylbenzene	**66**	**F1** J	1.0	0.53	ug/L			01/27/21 11:35	1
Methylene bromide	ND		5.0	0.59	ug/L			01/27/21 11:35	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/27/21 11:35	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/27/21 11:35	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/27/21 11:35	1
m-Xylene & p-Xylene	**57**	**F1** J	5.0	1.6	ug/L			01/27/21 11:35	1
Naphthalene	**20**		1.0	1.0	ug/L			01/27/21 11:35	1
N-Propylbenzene	**120**	**F1** J	1.0	0.69	ug/L			01/27/21 11:35	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/27/21 11:35	1
o-Xylene	**6.2**		5.0	0.60	ug/L			01/27/21 11:35	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/27/21 11:35	1
sec-Butylbenzene	**8.7**		1.0	0.70	ug/L			01/27/21 11:35	1
Styrene	ND		1.0	1.0	ug/L			01/27/21 11:35	1

Client Sample ID: MW2-ROX-011421
Date Collected: 01/14/21 09:30
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	**0.94**	**J**	1.0	0.63	ug/L			01/27/21 11:35	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/27/21 11:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/27/21 11:35	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/27/21 11:35	1
Toluene	**8.3**		1.0	0.41	ug/L			01/27/21 11:35	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 11:35	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 11:35	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/27/21 11:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/27/21 11:35	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/27/21 11:35	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/27/21 11:35	1
Trichloroethene	ND		1.0	0.50	ug/L			01/27/21 11:35	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/27/21 11:35	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/27/21 11:35	1
1,2,4-Trimethylbenzene	**18**		1.0	0.82	ug/L			01/27/21 11:35	1
1,3,5-Trimethylbenzene	**48**		1.0	0.56	ug/L			01/27/21 11:35	1
Vinyl acetate	ND		25	2.0	ug/L			01/27/21 11:35	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/27/21 11:35	1
Xylenes, Total	**63**		10	1.6	ug/L			01/27/21 11:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*78 - 118*		*01/27/21 11:35*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*01/27/21 11:35*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*01/27/21 11:35*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	**6.6**		1.0	0.76	ug/L			01/28/21 15:01	1
p-Isopropyltoluene	**5.9**		1.0	0.71	ug/L			01/28/21 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*01/28/21 15:01*	*1*
Dibromofluoromethane	*106*		*81 - 121*		*01/28/21 15:01*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/28/21 15:01*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.21	0.034	ug/L		01/18/21 13:41	01/20/21 15:15	1
Acenaphthylene	ND		0.21	0.047	ug/L		01/18/21 13:41	01/20/21 15:15	1
Anthracene	ND		0.21	0.034	ug/L		01/18/21 13:41	01/20/21 15:15	1
Benzo[a]anthracene	ND		0.21	0.048	ug/L		01/18/21 13:41	01/20/21 15:15	1
Benzo[a]pyrene	ND		0.21	0.044	ug/L		01/18/21 13:41	01/20/21 15:15	1
Benzo[b]fluoranthene	ND		0.21	0.036	ug/L		01/18/21 13:41	01/20/21 15:15	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		01/18/21 13:41	01/20/21 15:15	1
Benzo[k]fluoranthene	ND		0.21	0.11	ug/L		01/18/21 13:41	01/20/21 15:15	1
Chrysene	ND		0.21	0.078	ug/L		01/18/21 13:41	01/20/21 15:15	1
Dibenz(a,h)anthracene	ND		0.21	0.053	ug/L		01/18/21 13:41	01/20/21 15:15	1
Fluoranthene	ND		0.21	0.071	ug/L		01/18/21 13:41	01/20/21 15:15	1
Fluorene	ND		0.21	0.12	ug/L		01/18/21 13:41	01/20/21 15:15	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.045	ug/L		01/18/21 13:41	01/20/21 15:15	1

Client Sample ID: MW2-ROX-011421

Date Collected: 01/14/21 09:30
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	6.8		0.21	0.078	ug/L		01/18/21 13:41	01/20/21 15:15	1
2-Methylnaphthalene	9.0		0.21	0.063	ug/L		01/18/21 13:41	01/20/21 15:15	1
Phenanthrene	ND		0.21	0.038	ug/L		01/18/21 13:41	01/20/21 15:15	1
Pyrene	ND		0.21	0.042	ug/L		01/18/21 13:41	01/20/21 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*15 - 122*	*01/18/21 13:41*	*01/20/21 15:15*	*1*
Nitrobenzene-d5	*85*		*19 - 130*	*01/18/21 13:41*	*01/20/21 15:15*	*1*
Terphenyl-d14	*78*		*33 - 138*	*01/18/21 13:41*	*01/20/21 15:15*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		11	4.0	ug/L		01/18/21 13:41	01/21/21 16:23	1
Benzenethiol	ND	*- *1	11	1.8	ug/L		01/18/21 13:41	01/21/21 16:23	1
Benzoic acid	ND	*1	32	7.7	ug/L		01/18/21 13:41	01/21/21 16:23	1
Benzyl alcohol	ND		11	2.1	ug/L		01/18/21 13:41	01/21/21 16:23	1
Bis(2-chloroethoxy)methane	ND		11	0.17	ug/L		01/18/21 13:41	01/21/21 16:23	1
Bis(2-chloroethyl)ether	ND	*1	11	2.8	ug/L		01/18/21 13:41	01/21/21 16:23	1
bis (2-chloroisopropyl) ether	ND		11	0.17	ug/L		01/18/21 13:41	01/21/21 16:23	1
Bis(2-ethylhexyl) phthalate	25		11	5.3	ug/L		01/18/21 13:41	01/21/21 16:23	1
4-Bromophenyl phenyl ether	ND		11	0.21	ug/L		01/18/21 13:41	01/21/21 16:23	1
Butyl benzyl phthalate	ND		11	0.20	ug/L		01/18/21 13:41	01/21/21 16:23	1
4-Chloroaniline	ND		11	3.6	ug/L		01/18/21 13:41	01/21/21 16:23	1
4-Chloro-3-methylphenol	ND		11	4.0	ug/L		01/18/21 13:41	01/21/21 16:23	1
2-Chloronaphthalene	ND		11	0.15	ug/L		01/18/21 13:41	01/21/21 16:23	1
2-Chlorophenol	ND		11	2.3	ug/L		01/18/21 13:41	01/21/21 16:23	1
4-Chlorophenyl phenyl ether	ND		11	2.1	ug/L		01/18/21 13:41	01/21/21 16:23	1
Dibenz[a,h]acridine	ND		11	1.1	ug/L		01/18/21 13:41	01/21/21 16:23	1
Dibenzofuran	ND		11	0.18	ug/L		01/18/21 13:41	01/21/21 16:23	1
3,3'-Dichlorobenzidine	ND		11	2.7	ug/L		01/18/21 13:41	01/21/21 16:23	1
2,4-Dichlorophenol	ND		11	3.2	ug/L		01/18/21 13:41	01/21/21 16:23	1
Diethyl phthalate	ND		11	0.25	ug/L		01/18/21 13:41	01/21/21 16:23	1
2,4-Dimethylphenol	ND		11	3.7	ug/L		01/18/21 13:41	01/21/21 16:23	1
Dimethyl phthalate	ND		11	0.18	ug/L		01/18/21 13:41	01/21/21 16:23	1
Di-n-butyl phthalate	ND		11	2.8	ug/L		01/18/21 13:41	01/21/21 16:23	1
4,6-Dinitro-ortho-cresol	ND		11	1.7	ug/L		01/18/21 13:41	01/21/21 16:23	1
2,4-Dinitrophenol	ND		32	3.6	ug/L		01/18/21 13:41	01/21/21 16:23	1
2,4-Dinitrotoluene	ND		11	2.0	ug/L		01/18/21 13:41	01/21/21 16:23	1
2,6-Dinitrotoluene	ND		11	2.0	ug/L		01/18/21 13:41	01/21/21 16:23	1
Di-n-octyl phthalate	ND		11	0.18	ug/L		01/18/21 13:41	01/21/21 16:23	1
1,4-Dioxane	ND		11	1.1	ug/L		01/18/21 13:41	01/21/21 16:23	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		11	1.1	ug/L		01/18/21 13:41	01/21/21 16:23	1
Hexachlorobenzene	ND		11	0.18	ug/L		01/18/21 13:41	01/21/21 16:23	1
Hexachlorocyclopentadiene	ND		21	2.7	ug/L		01/18/21 13:41	01/21/21 16:23	1
Hexachloroethane	ND		11	4.4	ug/L		01/18/21 13:41	01/21/21 16:23	1
Indene	ND		11	1.1	ug/L		01/18/21 13:41	01/21/21 16:23	1
Isophorone	ND		11	0.15	ug/L		01/18/21 13:41	01/21/21 16:23	1
2-Methylphenol	ND		11	1.9	ug/L		01/18/21 13:41	01/21/21 16:23	1
3 & 4 Methylphenol	ND		21	0.41	ug/L		01/18/21 13:41	01/21/21 16:23	1

Client Sample ID: MW2-ROX-011421
Date Collected: 01/14/21 09:30
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		11	2.3	ug/L		01/18/21 13:41	01/21/21 16:23	1
3-Nitroaniline	ND		11	1.9	ug/L		01/18/21 13:41	01/21/21 16:23	1
4-Nitroaniline	ND		11	1.6	ug/L		01/18/21 13:41	01/21/21 16:23	1
Nitrobenzene	ND		11	0.14	ug/L		01/18/21 13:41	01/21/21 16:23	1
2-Nitrophenol	ND		11	5.5	ug/L		01/18/21 13:41	01/21/21 16:23	1
4-Nitrophenol	ND		11	2.2	ug/L		01/18/21 13:41	01/21/21 16:23	1
N-Nitrosodimethylamine	ND		11	3.7	ug/L		01/18/21 13:41	01/21/21 16:23	1
N-Nitrosodi-n-propylamine	ND		11	3.5	ug/L		01/18/21 13:41	01/21/21 16:23	1
N-Nitrosodiphenylamine	ND		11	0.19	ug/L		01/18/21 13:41	01/21/21 16:23	1
Pentachlorophenol	ND		21	1.5	ug/L		01/18/21 13:41	01/21/21 16:23	1
Phenol	ND		11	2.7	ug/L		01/18/21 13:41	01/21/21 16:23	1
Pyridine	ND		11	3.4	ug/L		01/18/21 13:41	01/21/21 16:23	1
Quinoline	ND	*-*1 UJ	11	4.7	ug/L		01/18/21 13:41	01/21/21 16:23	1
2,4,5-Trichlorophenol	ND		11	3.9	ug/L		01/18/21 13:41	01/21/21 16:23	1
2,4,6-Trichlorophenol	ND		11	3.7	ug/L		01/18/21 13:41	01/21/21 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*46 - 124*	*01/18/21 13:41*	*01/21/21 16:23*	*1*
2-Fluorophenol	*37*		*13 - 113*	*01/18/21 13:41*	*01/21/21 16:23*	*1*
Nitrobenzene-d5	*67*		*36 - 126*	*01/18/21 13:41*	*01/21/21 16:23*	*1*
Phenol-d5	*66*		*17 - 127*	*01/18/21 13:41*	*01/21/21 16:23*	*1*
Terphenyl-d14	*62*		*44 - 149*	*01/18/21 13:41*	*01/21/21 16:23*	*1*
2,4,6-Tribromophenol	*72*		*26 - 150*	*01/18/21 13:41*	*01/21/21 16:23*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND	H UJ	10	5.1	ug/L		01/25/21 08:51	01/28/21 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*111*		*46 - 124*	*01/25/21 08:51*	*01/28/21 18:01*	*1*
2-Fluorophenol	*31*		*13 - 113*	*01/25/21 08:51*	*01/28/21 18:01*	*1*
Nitrobenzene-d5	*71*		*36 - 126*	*01/25/21 08:51*	*01/28/21 18:01*	*1*
Phenol-d5	*47*		*17 - 127*	*01/25/21 08:51*	*01/28/21 18:01*	*1*
Terphenyl-d14	*108*		*44 - 149*	*01/25/21 08:51*	*01/28/21 18:01*	*1*
2,4,6-Tribromophenol	*170*	*S1+*	*26 - 150*	*01/25/21 08:51*	*01/28/21 18:01*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/22/21 12:09	01/22/21 19:24	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/22/21 12:09	01/22/21 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 19:24*	*1*

Client Sample ID: ROST4PZC-ROX-011421

Date Collected: 01/14/21 10:45
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/27/21 16:26	1
Acrolein	ND		20	10	ug/L			01/27/21 16:26	1
Acrylonitrile	ND		10	2.8	ug/L			01/27/21 16:26	1
Benzene	**4.8**		1.0	0.38	ug/L			01/27/21 16:26	1
Bromobenzene	ND		1.0	0.54	ug/L			01/27/21 16:26	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/27/21 16:26	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/27/21 16:26	1
Bromoform	ND		5.0	0.71	ug/L			01/27/21 16:26	1
Bromomethane	ND		1.0	0.98	ug/L			01/27/21 16:26	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/27/21 16:26	1
Carbon disulfide	**0.67**	**J**	1.0	0.50	ug/L			01/27/21 16:26	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/27/21 16:26	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/27/21 16:26	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/27/21 16:26	1
Chloroethane	ND		1.0	0.76	ug/L			01/27/21 16:26	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/27/21 16:26	1
Chloroform	ND		1.0	0.60	ug/L			01/27/21 16:26	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/27/21 16:26	1
Chloromethane	ND		1.0	0.83	ug/L			01/27/21 16:26	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 16:26	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 16:26	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/27/21 16:26	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/27/21 16:26	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/27/21 16:26	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/27/21 16:26	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 16:26	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 16:26	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 16:26	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 16:26	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 16:26	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 16:26	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/27/21 16:26	1
Ethylbenzene	**16**		1.0	0.50	ug/L			01/27/21 16:26	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/27/21 16:26	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/27/21 16:26	1
2-Hexanone	ND		25	3.1	ug/L			01/27/21 16:26	1
Isopropylbenzene	**7.1**		1.0	0.53	ug/L			01/27/21 16:26	1
Methylene bromide	ND		5.0	0.59	ug/L			01/27/21 16:26	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/27/21 16:26	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/27/21 16:26	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/27/21 16:26	1
m-Xylene & p-Xylene	**130**		5.0	1.6	ug/L			01/27/21 16:26	1
Naphthalene	**89**		1.0	1.0	ug/L			01/27/21 16:26	1
N-Propylbenzene	**12**		1.0	0.69	ug/L			01/27/21 16:26	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/27/21 16:26	1
o-Xylene	**1.6**	**J**	5.0	0.60	ug/L			01/27/21 16:26	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/27/21 16:26	1
sec-Butylbenzene	**0.72**	**J**	1.0	0.70	ug/L			01/27/21 16:26	1
Styrene	ND		1.0	1.0	ug/L			01/27/21 16:26	1

Client Sample ID: ROST4PZC-ROX-011421
Date Collected: 01/14/21 10:45
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/27/21 16:26	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/27/21 16:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/27/21 16:26	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/27/21 16:26	1
Toluene	11		1.0	0.41	ug/L			01/27/21 16:26	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 16:26	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 16:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/27/21 16:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/27/21 16:26	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/27/21 16:26	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/27/21 16:26	1
Trichloroethene	ND		1.0	0.50	ug/L			01/27/21 16:26	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/27/21 16:26	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/27/21 16:26	1
1,2,4-Trimethylbenzene	27		1.0	0.82	ug/L			01/27/21 16:26	1
1,3,5-Trimethylbenzene	9.1		1.0	0.56	ug/L			01/27/21 16:26	1
Vinyl acetate	ND		25	2.0	ug/L			01/27/21 16:26	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/27/21 16:26	1
Xylenes, Total	130		10	1.6	ug/L			01/27/21 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/27/21 16:26*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*01/27/21 16:26*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*01/27/21 16:26*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	1.0		1.0	0.76	ug/L			01/28/21 15:25	1
p-Isopropyltoluene	1.1		1.0	0.71	ug/L			01/28/21 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*01/28/21 15:25*	*1*
Dibromofluoromethane	*107*		*81 - 121*		*01/28/21 15:25*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/28/21 15:25*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.4		0.21	0.034	ug/L		01/18/21 13:41	01/20/21 15:31	1
Acenaphthylene	ND		0.21	0.048	ug/L		01/18/21 13:41	01/20/21 15:31	1
Anthracene	ND		0.21	0.034	ug/L		01/18/21 13:41	01/20/21 15:31	1
Benzo[a]anthracene	~~0.065~~	J B	0.21	0.049	ug/L		01/18/21 13:41	01/20/21 15:31	1
Benzo[a]pyrene	ND		0.21	0.045	ug/L		01/18/21 13:41	01/20/21 15:31	1
Benzo[b]fluoranthene	ND		0.21	0.036	ug/L		01/18/21 13:41	01/20/21 15:31	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		01/18/21 13:41	01/20/21 15:31	1
Benzo[k]fluoranthene	ND		0.21	0.11	ug/L		01/18/21 13:41	01/20/21 15:31	1
Chrysene	ND		0.21	0.079	ug/L		01/18/21 13:41	01/20/21 15:31	1
Dibenz(a,h)anthracene	ND		0.21	0.053	ug/L		01/18/21 13:41	01/20/21 15:31	1
Fluoranthene	~~0.085~~	J B	0.21	0.072	ug/L		01/18/21 13:41	01/20/21 15:31	1
Fluorene	1.0		0.21	0.12	ug/L		01/18/21 13:41	01/20/21 15:31	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.046	ug/L		01/18/21 13:41	01/20/21 15:31	1

Client Sample ID: ROST4PZC-ROX-011421

Lab Sample ID: 400-198248-4

Date Collected: 01/14/21 10:45
Matrix: Water
Date Received: 01/15/21 09:10

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	37		0.21	0.079	ug/L		01/18/21 13:41	01/20/21 15:31	1
2-Methylnaphthalene	29		0.21	0.064	ug/L		01/18/21 13:41	01/20/21 15:31	1
Phenanthrene	3.1		0.21	0.038	ug/L		01/18/21 13:41	01/20/21 15:31	1
Pyrene	~~0.14~~	J B U	0.21	0.042	ug/L		01/18/21 13:41	01/20/21 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*95*		*15 - 122*	*01/18/21 13:41*	*01/20/21 15:31*	*1*
Nitrobenzene-d5	*94*		*19 - 130*	*01/18/21 13:41*	*01/20/21 15:31*	*1*
Terphenyl-d14	*118*		*33 - 138*	*01/18/21 13:41*	*01/20/21 15:31*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		11	4.0	ug/L		01/18/21 13:41	01/21/21 16:44	1
Benzenethiol	ND	*- *1 U	11	1.8	ug/L		01/18/21 13:41	01/21/21 16:44	1
Benzoic acid	ND	*1	32	7.8	ug/L		01/18/21 13:41	01/21/21 16:44	1
Benzyl alcohol	ND		11	2.1	ug/L		01/18/21 13:41	01/21/21 16:44	1
Bis(2-chloroethoxy)methane	ND		11	0.17	ug/L		01/18/21 13:41	01/21/21 16:44	1
Bis(2-chloroethyl)ether	ND	*1	11	2.9	ug/L		01/18/21 13:41	01/21/21 16:44	1
bis (2-chloroisopropyl) ether	ND		11	0.17	ug/L		01/18/21 13:41	01/21/21 16:44	1
Bis(2-ethylhexyl) phthalate	13		11	5.3	ug/L		01/18/21 13:41	01/21/21 16:44	1
4-Bromophenyl phenyl ether	ND		11	0.21	ug/L		01/18/21 13:41	01/21/21 16:44	1
Butyl benzyl phthalate	ND		11	0.20	ug/L		01/18/21 13:41	01/21/21 16:44	1
4-Chloroaniline	ND		11	3.6	ug/L		01/18/21 13:41	01/21/21 16:44	1
4-Chloro-3-methylphenol	ND		11	4.0	ug/L		01/18/21 13:41	01/21/21 16:44	1
2-Chloronaphthalene	ND		11	0.15	ug/L		01/18/21 13:41	01/21/21 16:44	1
2-Chlorophenol	ND		11	2.3	ug/L		01/18/21 13:41	01/21/21 16:44	1
4-Chlorophenyl phenyl ether	ND		11	2.1	ug/L		01/18/21 13:41	01/21/21 16:44	1
Dibenz[a,h]acridine	ND		11	1.1	ug/L		01/18/21 13:41	01/21/21 16:44	1
Dibenzofuran	ND		11	0.18	ug/L		01/18/21 13:41	01/21/21 16:44	1
3,3'-Dichlorobenzidine	ND		11	2.8	ug/L		01/18/21 13:41	01/21/21 16:44	1
2,4-Dichlorophenol	ND		11	3.2	ug/L		01/18/21 13:41	01/21/21 16:44	1
Diethyl phthalate	ND		11	0.25	ug/L		01/18/21 13:41	01/21/21 16:44	1
2,4-Dimethylphenol	ND		11	3.7	ug/L		01/18/21 13:41	01/21/21 16:44	1
Dimethyl phthalate	ND		11	0.18	ug/L		01/18/21 13:41	01/21/21 16:44	1
Di-n-butyl phthalate	ND		11	2.9	ug/L		01/18/21 13:41	01/21/21 16:44	1
4,6-Dinitro-ortho-cresol	ND		11	1.7	ug/L		01/18/21 13:41	01/21/21 16:44	1
2,4-Dinitrophenol	ND		32	3.6	ug/L		01/18/21 13:41	01/21/21 16:44	1
2,4-Dinitrotoluene	ND		11	2.0	ug/L		01/18/21 13:41	01/21/21 16:44	1
2,6-Dinitrotoluene	ND		11	2.0	ug/L		01/18/21 13:41	01/21/21 16:44	1
Di-n-octyl phthalate	ND		11	0.18	ug/L		01/18/21 13:41	01/21/21 16:44	1
1,4-Dioxane	ND		11	1.1	ug/L		01/18/21 13:41	01/21/21 16:44	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		11	1.1	ug/L		01/18/21 13:41	01/21/21 16:44	1
Hexachlorobenzene	ND		11	0.18	ug/L		01/18/21 13:41	01/21/21 16:44	1
Hexachlorocyclopentadiene	ND		21	2.8	ug/L		01/18/21 13:41	01/21/21 16:44	1
Hexachloroethane	ND		11	4.5	ug/L		01/18/21 13:41	01/21/21 16:44	1
Indene	ND		11	1.1	ug/L		01/18/21 13:41	01/21/21 16:44	1
Isophorone	ND		11	0.15	ug/L		01/18/21 13:41	01/21/21 16:44	1
2-Methylphenol	ND		11	1.9	ug/L		01/18/21 13:41	01/21/21 16:44	1
3 & 4 Methylphenol	ND		21	0.41	ug/L		01/18/21 13:41	01/21/21 16:44	1

Client Sample ID: ROST4PZC-ROX-011421

Lab Sample ID: 400-198248-4

Date Collected: 01/14/21 10:45
Matrix: Water
Date Received: 01/15/21 09:10

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		11	2.3	ug/L		01/18/21 13:41	01/21/21 16:44	1
3-Nitroaniline	ND		11	1.9	ug/L		01/18/21 13:41	01/21/21 16:44	1
4-Nitroaniline	ND		11	1.6	ug/L		01/18/21 13:41	01/21/21 16:44	1
Nitrobenzene	ND		11	0.14	ug/L		01/18/21 13:41	01/21/21 16:44	1
2-Nitrophenol	ND		11	5.5	ug/L		01/18/21 13:41	01/21/21 16:44	1
4-Nitrophenol	ND		11	2.2	ug/L		01/18/21 13:41	01/21/21 16:44	1
N-Nitrosodimethylamine	ND		11	3.7	ug/L		01/18/21 13:41	01/21/21 16:44	1
N-Nitrosodi-n-propylamine	ND		11	3.5	ug/L		01/18/21 13:41	01/21/21 16:44	1
N-Nitrosodiphenylamine	ND		11	0.19	ug/L		01/18/21 13:41	01/21/21 16:44	1
Pentachlorophenol	ND		21	1.5	ug/L		01/18/21 13:41	01/21/21 16:44	1
Phenol	ND		11	2.8	ug/L		01/18/21 13:41	01/21/21 16:44	1
Pyridine	ND		11	3.4	ug/L		01/18/21 13:41	01/21/21 16:44	1
Quinoline	ND	*- *1 UJ	11	4.8	ug/L		01/18/21 13:41	01/21/21 16:44	1
2,4,5-Trichlorophenol	ND		11	3.9	ug/L		01/18/21 13:41	01/21/21 16:44	1
2,4,6-Trichlorophenol	ND		11	3.7	ug/L		01/18/21 13:41	01/21/21 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*46 - 124*	*01/18/21 13:41*	*01/21/21 16:44*	*1*
2-Fluorophenol	*17*		*13 - 113*	*01/18/21 13:41*	*01/21/21 16:44*	*1*
Nitrobenzene-d5	*61*		*36 - 126*	*01/18/21 13:41*	*01/21/21 16:44*	*1*
Phenol-d5	*40*		*17 - 127*	*01/18/21 13:41*	*01/21/21 16:44*	*1*
Terphenyl-d14	*63*		*44 - 149*	*01/18/21 13:41*	*01/21/21 16:44*	*1*
2,4,6-Tribromophenol	*62*		*26 - 150*	*01/18/21 13:41*	*01/21/21 16:44*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND	H UJ	10	5.2	ug/L		01/25/21 08:51	01/27/21 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*43*	*S1-*	*46 - 124*	*01/25/21 08:51*	*01/27/21 23:17*	*1*
2-Fluorophenol	*26*		*13 - 113*	*01/25/21 08:51*	*01/27/21 23:17*	*1*
Nitrobenzene-d5	*60*		*36 - 126*	*01/25/21 08:51*	*01/27/21 23:17*	*1*
Phenol-d5	*54*		*17 - 127*	*01/25/21 08:51*	*01/27/21 23:17*	*1*
Terphenyl-d14	*45*		*44 - 149*	*01/25/21 08:51*	*01/27/21 23:17*	*1*
2,4,6-Tribromophenol	*50*		*26 - 150*	*01/25/21 08:51*	*01/27/21 23:17*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0056	ug/L		01/22/21 12:09	01/22/21 19:43	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/22/21 12:09	01/22/21 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*51 - 149*	*01/22/21 12:09*	*01/22/21 19:43*	*1*

Client Sample ID: MW28-ROX-011421
Date Collected: 01/14/21 12:45
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/27/21 16:53	1
Acrolein	ND		20	10	ug/L			01/27/21 16:53	1
Acrylonitrile	ND		10	2.8	ug/L			01/27/21 16:53	1
Benzene	**34**		1.0	0.38	ug/L			01/27/21 16:53	1
Bromobenzene	ND		1.0	0.54	ug/L			01/27/21 16:53	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/27/21 16:53	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/27/21 16:53	1
Bromoform	ND		5.0	0.71	ug/L			01/27/21 16:53	1
Bromomethane	ND		1.0	0.98	ug/L			01/27/21 16:53	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/27/21 16:53	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/27/21 16:53	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/27/21 16:53	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/27/21 16:53	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/27/21 16:53	1
Chloroethane	ND		1.0	0.76	ug/L			01/27/21 16:53	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/27/21 16:53	1
Chloroform	ND		1.0	0.60	ug/L			01/27/21 16:53	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/27/21 16:53	1
Chloromethane	ND		1.0	0.83	ug/L			01/27/21 16:53	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 16:53	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 16:53	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/27/21 16:53	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/27/21 16:53	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/27/21 16:53	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/27/21 16:53	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 16:53	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 16:53	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 16:53	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 16:53	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 16:53	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 16:53	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/27/21 16:53	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/27/21 16:53	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/27/21 16:53	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/27/21 16:53	1
2-Hexanone	ND		25	3.1	ug/L			01/27/21 16:53	1
Isopropylbenzene	**0.54**	**J**	1.0	0.53	ug/L			01/27/21 16:53	1
Methylene bromide	ND		5.0	0.59	ug/L			01/27/21 16:53	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/27/21 16:53	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/27/21 16:53	1
Methyl tert-butyl ether	**27**		1.0	0.74	ug/L			01/27/21 16:53	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/27/21 16:53	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/27/21 16:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/27/21 16:53	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/27/21 16:53	1
o-Xylene	ND		5.0	0.60	ug/L			01/27/21 16:53	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/27/21 16:53	1
p-Isopropyltoluene	ND	*+	1.0	0.71	ug/L			01/27/21 16:53	1
sec-Butylbenzene	**1.3**		1.0	0.70	ug/L			01/27/21 16:53	1

Client Sample ID: MW28-ROX-011421

Date Collected: 01/14/21 12:45
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	1.0	ug/L			01/27/21 16:53	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/27/21 16:53	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/27/21 16:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/27/21 16:53	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/27/21 16:53	1
Toluene	ND		1.0	0.41	ug/L			01/27/21 16:53	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 16:53	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 16:53	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/27/21 16:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/27/21 16:53	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/27/21 16:53	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/27/21 16:53	1
Trichloroethene	ND		1.0	0.50	ug/L			01/27/21 16:53	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/27/21 16:53	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/27/21 16:53	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/27/21 16:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/27/21 16:53	1
Vinyl acetate	ND		25	2.0	ug/L			01/27/21 16:53	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/27/21 16:53	1
Xylenes, Total	ND		10	1.6	ug/L			01/27/21 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*01/27/21 16:53*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/27/21 16:53*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/27/21 16:53*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	1.0	ug/L			01/28/21 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/28/21 14:35*	*1*
Dibromofluoromethane	*107*		*81 - 121*		*01/28/21 14:35*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/28/21 14:35*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.21	0.033	ug/L		01/18/21 13:41	01/20/21 15:46	1
Acenaphthylene	ND		0.21	0.047	ug/L		01/18/21 13:41	01/20/21 15:46	1
Anthracene	ND		0.21	0.033	ug/L		01/18/21 13:41	01/20/21 15:46	1
Benzo[a]anthracene	ND		0.21	0.048	ug/L		01/18/21 13:41	01/20/21 15:46	1
Benzo[a]pyrene	ND		0.21	0.044	ug/L		01/18/21 13:41	01/20/21 15:46	1
Benzo[b]fluoranthene	ND		0.21	0.036	ug/L		01/18/21 13:41	01/20/21 15:46	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		01/18/21 13:41	01/20/21 15:46	1
Benzo[k]fluoranthene	ND		0.21	0.10	ug/L		01/18/21 13:41	01/20/21 15:46	1
Chrysene	ND		0.21	0.077	ug/L		01/18/21 13:41	01/20/21 15:46	1
Dibenz(a,h)anthracene	ND		0.21	0.052	ug/L		01/18/21 13:41	01/20/21 15:46	1
Fluoranthene	ND		0.21	0.071	ug/L		01/18/21 13:41	01/20/21 15:46	1
Fluorene	ND		0.21	0.11	ug/L		01/18/21 13:41	01/20/21 15:46	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.045	ug/L		01/18/21 13:41	01/20/21 15:46	1

Client Sample ID: MW28-ROX-011421
Date Collected: 01/14/21 12:45
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-5
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.21	0.077	ug/L		01/18/21 13:41	01/20/21 15:46	1
2-Methylnaphthalene	ND		0.21	0.063	ug/L		01/18/21 13:41	01/20/21 15:46	1
Phenanthrene	ND		0.21	0.038	ug/L		01/18/21 13:41	01/20/21 15:46	1
Pyrene	ND		0.21	0.042	ug/L		01/18/21 13:41	01/20/21 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*15 - 122*	*01/18/21 13:41*	*01/20/21 15:46*	*1*
Nitrobenzene-d5	*77*		*19 - 130*	*01/18/21 13:41*	*01/20/21 15:46*	*1*
Terphenyl-d14	*82*		*33 - 138*	*01/18/21 13:41*	*01/20/21 15:46*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	4.0	ug/L		01/18/21 13:41	01/21/21 17:06	1
Benzenethiol	ND	*- *1 UJ	10	1.8	ug/L		01/18/21 13:41	01/21/21 17:06	1
Benzoic acid	ND	*1	31	7.6	ug/L		01/18/21 13:41	01/21/21 17:06	1
Benzyl alcohol	ND		10	2.1	ug/L		01/18/21 13:41	01/21/21 17:06	1
Bis(2-chloroethoxy)methane	ND		10	0.17	ug/L		01/18/21 13:41	01/21/21 17:06	1
Bis(2-chloroethyl)ether	ND	*1	10	2.8	ug/L		01/18/21 13:41	01/21/21 17:06	1
bis (2-chloroisopropyl) ether	ND		10	0.17	ug/L		01/18/21 13:41	01/21/21 17:06	1
Bis(2-ethylhexyl) phthalate	**9.2**	**J**	10	5.2	ug/L		01/18/21 13:41	01/21/21 17:06	1
4-Bromophenyl phenyl ether	ND		10	0.21	ug/L		01/18/21 13:41	01/21/21 17:06	1
Butyl benzyl phthalate	ND		10	0.20	ug/L		01/18/21 13:41	01/21/21 17:06	1
4-Chloroaniline	ND		10	3.6	ug/L		01/18/21 13:41	01/21/21 17:06	1
4-Chloro-3-methylphenol	ND		10	4.0	ug/L		01/18/21 13:41	01/21/21 17:06	1
2-Chloronaphthalene	ND		10	0.15	ug/L		01/18/21 13:41	01/21/21 17:06	1
2-Chlorophenol	ND		10	2.3	ug/L		01/18/21 13:41	01/21/21 17:06	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		01/18/21 13:41	01/21/21 17:06	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/18/21 13:41	01/21/21 17:06	1
Dibenzofuran	ND		10	0.18	ug/L		01/18/21 13:41	01/21/21 17:06	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		01/18/21 13:41	01/21/21 17:06	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		01/18/21 13:41	01/21/21 17:06	1
Diethyl phthalate	ND		10	0.25	ug/L		01/18/21 13:41	01/21/21 17:06	1
2,4-Dimethylphenol	ND		10	3.7	ug/L		01/18/21 13:41	01/21/21 17:06	1
Dimethyl phthalate	ND		10	0.18	ug/L		01/18/21 13:41	01/21/21 17:06	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		01/18/21 13:41	01/21/21 17:06	1
4,6-Dinitro-ortho-cresol	ND		10	1.7	ug/L		01/18/21 13:41	01/21/21 17:06	1
2,4-Dinitrophenol	ND		31	3.6	ug/L		01/18/21 13:41	01/21/21 17:06	1
2,4-Dinitrotoluene	ND		10	2.0	ug/L		01/18/21 13:41	01/21/21 17:06	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		01/18/21 13:41	01/21/21 17:06	1
Di-n-octyl phthalate	ND		10	0.18	ug/L		01/18/21 13:41	01/21/21 17:06	1
1,4-Dioxane	ND		10	1.0	ug/L		01/18/21 13:41	01/21/21 17:06	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/18/21 13:41	01/21/21 17:06	1
Hexachlorobenzene	ND		10	0.18	ug/L		01/18/21 13:41	01/21/21 17:06	1
Hexachlorocyclopentadiene	ND		21	2.7	ug/L		01/18/21 13:41	01/21/21 17:06	1
Hexachloroethane	ND		10	4.4	ug/L		01/18/21 13:41	01/21/21 17:06	1
Indene	ND		10	1.0	ug/L		01/18/21 13:41	01/21/21 17:06	1
Isophorone	ND		10	0.15	ug/L		01/18/21 13:41	01/21/21 17:06	1
2-Methylphenol	ND		10	1.9	ug/L		01/18/21 13:41	01/21/21 17:06	1
3 & 4 Methylphenol	ND		21	0.41	ug/L		01/18/21 13:41	01/21/21 17:06	1

Client Sample ID: MW28-ROX-011421
Date Collected: 01/14/21 12:45
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		10	2.3	ug/L		01/18/21 13:41	01/21/21 17:06	1
3-Nitroaniline	ND		10	1.9	ug/L		01/18/21 13:41	01/21/21 17:06	1
4-Nitroaniline	ND		10	1.6	ug/L		01/18/21 13:41	01/21/21 17:06	1
Nitrobenzene	ND		10	0.14	ug/L		01/18/21 13:41	01/21/21 17:06	1
2-Nitrophenol	ND		10	5.4	ug/L		01/18/21 13:41	01/21/21 17:06	1
4-Nitrophenol	ND		10	2.2	ug/L		01/18/21 13:41	01/21/21 17:06	1
N-Nitrosodimethylamine	ND		10	3.7	ug/L		01/18/21 13:41	01/21/21 17:06	1
N-Nitrosodi-n-propylamine	ND		10	3.4	ug/L		01/18/21 13:41	01/21/21 17:06	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		01/18/21 13:41	01/21/21 17:06	1
Pentachlorophenol	ND		21	1.5	ug/L		01/18/21 13:41	01/21/21 17:06	1
Phenol	ND		10	2.7	ug/L		01/18/21 13:41	01/21/21 17:06	1
Pyridine	ND		10	3.3	ug/L		01/18/21 13:41	01/21/21 17:06	1
Quinoline	ND	*-*1 UJ	10	4.7	ug/L		01/18/21 13:41	01/21/21 17:06	1
2,4,5-Trichlorophenol	ND		10	3.9	ug/L		01/18/21 13:41	01/21/21 17:06	1
2,4,6-Trichlorophenol	ND		10	3.7	ug/L		01/18/21 13:41	01/21/21 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*46 - 124*	*01/18/21 13:41*	*01/21/21 17:06*	*1*
2-Fluorophenol	*52*		*13 - 113*	*01/18/21 13:41*	*01/21/21 17:06*	*1*
Nitrobenzene-d5	*63*		*36 - 126*	*01/18/21 13:41*	*01/21/21 17:06*	*1*
Phenol-d5	*65*		*17 - 127*	*01/18/21 13:41*	*01/21/21 17:06*	*1*
Terphenyl-d14	*62*		*44 - 149*	*01/18/21 13:41*	*01/21/21 17:06*	*1*
2,4,6-Tribromophenol	*62*		*26 - 150*	*01/18/21 13:41*	*01/21/21 17:06*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND	H UJ	10	5.1	ug/L		01/25/21 08:51	01/27/21 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*44*	*S1-*	*46 - 124*	*01/25/21 08:51*	*01/27/21 23:38*	*1*
2-Fluorophenol	*35*		*13 - 113*	*01/25/21 08:51*	*01/27/21 23:38*	*1*
Nitrobenzene-d5	*62*		*36 - 126*	*01/25/21 08:51*	*01/27/21 23:38*	*1*
Phenol-d5	*51*		*17 - 127*	*01/25/21 08:51*	*01/27/21 23:38*	*1*
Terphenyl-d14	*50*		*44 - 149*	*01/25/21 08:51*	*01/27/21 23:38*	*1*
2,4,6-Tribromophenol	*46*		*26 - 150*	*01/25/21 08:51*	*01/27/21 23:38*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/22/21 12:09	01/22/21 20:03	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/22/21 12:09	01/22/21 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 20:03*	*1*

Client Sample ID: TB-ROX-011421-8260-B
Date Collected: 01/14/21 00:00
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/27/21 17:19	1
Acrolein	ND		20	10	ug/L			01/27/21 17:19	1
Acrylonitrile	ND		10	2.8	ug/L			01/27/21 17:19	1
Benzene	ND		1.0	0.38	ug/L			01/27/21 17:19	1
Bromobenzene	ND		1.0	0.54	ug/L			01/27/21 17:19	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/27/21 17:19	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/27/21 17:19	1
Bromoform	ND		5.0	0.71	ug/L			01/27/21 17:19	1
Bromomethane	ND		1.0	0.98	ug/L			01/27/21 17:19	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/27/21 17:19	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/27/21 17:19	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/27/21 17:19	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/27/21 17:19	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/27/21 17:19	1
Chloroethane	ND		1.0	0.76	ug/L			01/27/21 17:19	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/27/21 17:19	1
Chloroform	ND		1.0	0.60	ug/L			01/27/21 17:19	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/27/21 17:19	1
Chloromethane	ND		1.0	0.83	ug/L			01/27/21 17:19	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 17:19	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 17:19	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/27/21 17:19	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/27/21 17:19	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/27/21 17:19	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/27/21 17:19	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 17:19	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 17:19	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 17:19	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 17:19	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 17:19	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 17:19	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/27/21 17:19	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/27/21 17:19	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/27/21 17:19	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/27/21 17:19	1
2-Hexanone	ND		25	3.1	ug/L			01/27/21 17:19	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/27/21 17:19	1
Methylene bromide	ND		5.0	0.59	ug/L			01/27/21 17:19	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/27/21 17:19	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/27/21 17:19	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/27/21 17:19	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/27/21 17:19	1
Naphthalene	ND		1.0	1.0	ug/L			01/27/21 17:19	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/27/21 17:19	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/27/21 17:19	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/27/21 17:19	1
o-Xylene	ND		5.0	0.60	ug/L			01/27/21 17:19	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/27/21 17:19	1
p-Isopropyltoluene	ND	*+	1.0	0.71	ug/L			01/27/21 17:19	1

Client Sample ID: TB-ROX-011421-8260-B
Date Collected: 01/14/21 00:00
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/27/21 17:19	1
Styrene	ND		1.0	1.0	ug/L			01/27/21 17:19	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/27/21 17:19	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/27/21 17:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/27/21 17:19	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/27/21 17:19	1
Toluene	ND		1.0	0.41	ug/L			01/27/21 17:19	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 17:19	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 17:19	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/27/21 17:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/27/21 17:19	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/27/21 17:19	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/27/21 17:19	1
Trichloroethene	ND		1.0	0.50	ug/L			01/27/21 17:19	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/27/21 17:19	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/27/21 17:19	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/27/21 17:19	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/27/21 17:19	1
Vinyl acetate	ND		25	2.0	ug/L			01/27/21 17:19	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/27/21 17:19	1
Xylenes, Total	ND		10	1.6	ug/L			01/27/21 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/27/21 17:19*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/27/21 17:19*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*01/27/21 17:19*	*1*

Client Sample Results

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

Client Sample ID: TB-ROX-011421-8011-B
Date Collected: 01/14/21 00:00
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-7
Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/22/21 12:09	01/22/21 20:23	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/22/21 12:09	01/22/21 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 20:23*	*1*

Client Sample ID: P93A-ROX-011421
Date Collected: 01/14/21 09:40
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/27/21 17:46	1
Acrolein	ND		20	10	ug/L			01/27/21 17:46	1
Acrylonitrile	ND		10	2.8	ug/L			01/27/21 17:46	1
Bromobenzene	ND		1.0	0.54	ug/L			01/27/21 17:46	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/27/21 17:46	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/27/21 17:46	1
Bromoform	ND		5.0	0.71	ug/L			01/27/21 17:46	1
Bromomethane	ND		1.0	0.98	ug/L			01/27/21 17:46	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/27/21 17:46	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/27/21 17:46	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/27/21 17:46	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/27/21 17:46	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/27/21 17:46	1
Chloroethane	ND		1.0	0.76	ug/L			01/27/21 17:46	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/27/21 17:46	1
Chloroform	ND		1.0	0.60	ug/L			01/27/21 17:46	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/27/21 17:46	1
Chloromethane	ND		1.0	0.83	ug/L			01/27/21 17:46	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 17:46	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 17:46	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/27/21 17:46	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/27/21 17:46	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/27/21 17:46	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/27/21 17:46	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 17:46	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 17:46	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 17:46	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 17:46	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 17:46	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 17:46	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/27/21 17:46	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/27/21 17:46	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/27/21 17:46	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/27/21 17:46	1
2-Hexanone	ND		25	3.1	ug/L			01/27/21 17:46	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/27/21 17:46	1
Methylene bromide	ND		5.0	0.59	ug/L			01/27/21 17:46	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/27/21 17:46	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/27/21 17:46	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/27/21 17:46	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/27/21 17:46	1
Naphthalene	ND		1.0	1.0	ug/L			01/27/21 17:46	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/27/21 17:46	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/27/21 17:46	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/27/21 17:46	1
o-Xylene	ND		5.0	0.60	ug/L			01/27/21 17:46	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/27/21 17:46	1
p-Isopropyltoluene	ND	*+	1.0	0.71	ug/L			01/27/21 17:46	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/27/21 17:46	1

Client Sample ID: P93A-ROX-011421
Date Collected: 01/14/21 09:40
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	1.0	ug/L			01/27/21 17:46	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/27/21 17:46	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/27/21 17:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/27/21 17:46	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/27/21 17:46	1
Toluene	ND		1.0	0.41	ug/L			01/27/21 17:46	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 17:46	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 17:46	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/27/21 17:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/27/21 17:46	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/27/21 17:46	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/27/21 17:46	1
Trichloroethene	ND		1.0	0.50	ug/L			01/27/21 17:46	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/27/21 17:46	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/27/21 17:46	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/27/21 17:46	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/27/21 17:46	1
Vinyl acetate	ND		25	2.0	ug/L			01/27/21 17:46	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/27/21 17:46	1
Xylenes, Total	ND		10	1.6	ug/L			01/27/21 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/27/21 17:46*	*1*
Dibromofluoromethane	*96*		*81 - 121*		*01/27/21 17:46*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*01/27/21 17:46*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	360		2.0	0.76	ug/L			01/28/21 15:50	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*78 - 118*		*01/28/21 15:50*	*2*
Dibromofluoromethane	*109*		*81 - 121*		*01/28/21 15:50*	*2*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/28/21 15:50*	*2*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.030	ug/L		01/18/21 13:41	01/20/21 16:02	1
Acenaphthylene	ND		0.19	0.042	ug/L		01/18/21 13:41	01/20/21 16:02	1
Anthracene	ND		0.19	0.030	ug/L		01/18/21 13:41	01/20/21 16:02	1
Benzo[a]anthracene	ND		0.19	0.043	ug/L		01/18/21 13:41	01/20/21 16:02	1
Benzo[a]pyrene	ND		0.19	0.039	ug/L		01/18/21 13:41	01/20/21 16:02	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		01/18/21 13:41	01/20/21 16:02	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/18/21 13:41	01/20/21 16:02	1
Benzo[k]fluoranthene	ND		0.19	0.094	ug/L		01/18/21 13:41	01/20/21 16:02	1
Chrysene	ND		0.19	0.069	ug/L		01/18/21 13:41	01/20/21 16:02	1
Dibenz(a,h)anthracene	ND		0.19	0.047	ug/L		01/18/21 13:41	01/20/21 16:02	1
Fluoranthene	ND		0.19	0.064	ug/L		01/18/21 13:41	01/20/21 16:02	1
Fluorene	ND		0.19	0.10	ug/L		01/18/21 13:41	01/20/21 16:02	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.040	ug/L		01/18/21 13:41	01/20/21 16:02	1

Client Sample ID: P93A-ROX-011421
Date Collected: 01/14/21 09:40
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-8
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.11	J	0.19	0.069	ug/L		01/18/21 13:41	01/20/21 16:02	1
2-Methylnaphthalene	ND		0.19	0.056	ug/L		01/18/21 13:41	01/20/21 16:02	1
Phenanthrene	ND		0.19	0.034	ug/L		01/18/21 13:41	01/20/21 16:02	1
Pyrene	ND		0.19	0.037	ug/L		01/18/21 13:41	01/20/21 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*15 - 122*	*01/18/21 13:41*	*01/20/21 16:02*	*1*
Nitrobenzene-d5	*85*		*19 - 130*	*01/18/21 13:41*	*01/20/21 16:02*	*1*
Terphenyl-d14	*93*		*33 - 138*	*01/18/21 13:41*	*01/20/21 16:02*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.4	3.6	ug/L		01/18/21 13:41	01/21/21 17:27	1
Benzenethiol	ND	*- *1 UJ	9.4	1.6	ug/L		01/18/21 13:41	01/21/21 17:27	1
Benzoic acid	ND	*1	28	6.8	ug/L		01/18/21 13:41	01/21/21 17:27	1
Benzyl alcohol	ND		9.4	1.9	ug/L		01/18/21 13:41	01/21/21 17:27	1
Bis(2-chloroethoxy)methane	ND		9.4	0.15	ug/L		01/18/21 13:41	01/21/21 17:27	1
Bis(2-chloroethyl)ether	ND	*1	9.4	2.5	ug/L		01/18/21 13:41	01/21/21 17:27	1
bis (2-chloroisopropyl) ether	ND		9.4	0.15	ug/L		01/18/21 13:41	01/21/21 17:27	1
Bis(2-ethylhexyl) phthalate	15		9.4	4.7	ug/L		01/18/21 13:41	01/21/21 17:27	1
4-Bromophenyl phenyl ether	ND		9.4	0.19	ug/L		01/18/21 13:41	01/21/21 17:27	1
Butyl benzyl phthalate	ND		9.4	0.18	ug/L		01/18/21 13:41	01/21/21 17:27	1
4-Chloroaniline	ND		9.4	3.2	ug/L		01/18/21 13:41	01/21/21 17:27	1
4-Chloro-3-methylphenol	ND		9.4	3.6	ug/L		01/18/21 13:41	01/21/21 17:27	1
2-Chloronaphthalene	ND		9.4	0.13	ug/L		01/18/21 13:41	01/21/21 17:27	1
2-Chlorophenol	ND		9.4	2.1	ug/L		01/18/21 13:41	01/21/21 17:27	1
4-Chlorophenyl phenyl ether	ND		9.4	1.9	ug/L		01/18/21 13:41	01/21/21 17:27	1
Dibenz[a,h]acridine	ND		9.4	0.94	ug/L		01/18/21 13:41	01/21/21 17:27	1
Dibenzofuran	ND		9.4	0.16	ug/L		01/18/21 13:41	01/21/21 17:27	1
3,3'-Dichlorobenzidine	ND		9.4	2.4	ug/L		01/18/21 13:41	01/21/21 17:27	1
2,4-Dichlorophenol	ND		9.4	2.8	ug/L		01/18/21 13:41	01/21/21 17:27	1
Diethyl phthalate	ND		9.4	0.22	ug/L		01/18/21 13:41	01/21/21 17:27	1
2,4-Dimethylphenol	ND		9.4	3.3	ug/L		01/18/21 13:41	01/21/21 17:27	1
Dimethyl phthalate	ND		9.4	0.16	ug/L		01/18/21 13:41	01/21/21 17:27	1
Di-n-butyl phthalate	ND		9.4	2.5	ug/L		01/18/21 13:41	01/21/21 17:27	1
4,6-Dinitro-ortho-cresol	ND		9.4	1.5	ug/L		01/18/21 13:41	01/21/21 17:27	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		01/18/21 13:41	01/21/21 17:27	1
2,4-Dinitrotoluene	ND		9.4	1.8	ug/L		01/18/21 13:41	01/21/21 17:27	1
2,6-Dinitrotoluene	ND		9.4	1.8	ug/L		01/18/21 13:41	01/21/21 17:27	1
Di-n-octyl phthalate	ND		9.4	0.16	ug/L		01/18/21 13:41	01/21/21 17:27	1
1,4-Dioxane	ND		9.4	0.94	ug/L		01/18/21 13:41	01/21/21 17:27	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.4	0.94	ug/L		01/18/21 13:41	01/21/21 17:27	1
Hexachlorobenzene	ND		9.4	0.16	ug/L		01/18/21 13:41	01/21/21 17:27	1
Hexachlorocyclopentadiene	ND		19	2.4	ug/L		01/18/21 13:41	01/21/21 17:27	1
Hexachloroethane	ND		9.4	3.9	ug/L		01/18/21 13:41	01/21/21 17:27	1
Indene	ND		9.4	0.94	ug/L		01/18/21 13:41	01/21/21 17:27	1
Isophorone	ND		9.4	0.13	ug/L		01/18/21 13:41	01/21/21 17:27	1
2-Methylphenol	ND		9.4	1.7	ug/L		01/18/21 13:41	01/21/21 17:27	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/18/21 13:41	01/21/21 17:27	1

Client Sample ID: P93A-ROX-011421
Date Collected: 01/14/21 09:40
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		9.4	2.1	ug/L		01/18/21 13:41	01/21/21 17:27	1
3-Nitroaniline	ND		9.4	1.7	ug/L		01/18/21 13:41	01/21/21 17:27	1
4-Nitroaniline	ND		9.4	1.4	ug/L		01/18/21 13:41	01/21/21 17:27	1
Nitrobenzene	ND		9.4	0.12	ug/L		01/18/21 13:41	01/21/21 17:27	1
2-Nitrophenol	ND		9.4	4.9	ug/L		01/18/21 13:41	01/21/21 17:27	1
4-Nitrophenol	ND		9.4	2.0	ug/L		01/18/21 13:41	01/21/21 17:27	1
N-Nitrosodimethylamine	ND		9.4	3.3	ug/L		01/18/21 13:41	01/21/21 17:27	1
N-Nitrosodi-n-propylamine	ND		9.4	3.1	ug/L		01/18/21 13:41	01/21/21 17:27	1
N-Nitrosodiphenylamine	ND		9.4	0.17	ug/L		01/18/21 13:41	01/21/21 17:27	1
Pentachlorophenol	ND		19	1.3	ug/L		01/18/21 13:41	01/21/21 17:27	1
Phenol	ND		9.4	2.4	ug/L		01/18/21 13:41	01/21/21 17:27	1
Pyridine	ND		9.4	3.0	ug/L		01/18/21 13:41	01/21/21 17:27	1
Quinoline	ND	*- *1 UJ	9.4	4.2	ug/L		01/18/21 13:41	01/21/21 17:27	1
2,4,5-Trichlorophenol	ND		9.4	3.5	ug/L		01/18/21 13:41	01/21/21 17:27	1
2,4,6-Trichlorophenol	ND		9.4	3.3	ug/L		01/18/21 13:41	01/21/21 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*46 - 124*	*01/18/21 13:41*	*01/21/21 17:27*	*1*
2-Fluorophenol	*36*		*13 - 113*	*01/18/21 13:41*	*01/21/21 17:27*	*1*
Nitrobenzene-d5	*66*		*36 - 126*	*01/18/21 13:41*	*01/21/21 17:27*	*1*
Phenol-d5	*64*		*17 - 127*	*01/18/21 13:41*	*01/21/21 17:27*	*1*
Terphenyl-d14	*71*		*44 - 149*	*01/18/21 13:41*	*01/21/21 17:27*	*1*
2,4,6-Tribromophenol	*57*		*26 - 150*	*01/18/21 13:41*	*01/21/21 17:27*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND	H UJ	9.4	4.7	ug/L		01/25/21 08:51	01/27/21 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*37*	*S1-*	*46 - 124*	*01/25/21 08:51*	*01/27/21 23:59*	*1*
2-Fluorophenol	*27*		*13 - 113*	*01/25/21 08:51*	*01/27/21 23:59*	*1*
Nitrobenzene-d5	*57*		*36 - 126*	*01/25/21 08:51*	*01/27/21 23:59*	*1*
Phenol-d5	*48*		*17 - 127*	*01/25/21 08:51*	*01/27/21 23:59*	*1*
Terphenyl-d14	*45*		*44 - 149*	*01/25/21 08:51*	*01/27/21 23:59*	*1*
2,4,6-Tribromophenol	*43*		*26 - 150*	*01/25/21 08:51*	*01/27/21 23:59*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0056	ug/L		01/22/21 12:09	01/22/21 20:42	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/22/21 12:09	01/22/21 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*		*51 - 149*	*01/22/21 12:09*	*01/22/21 20:42*	*1*

Client Sample ID: P93B-ROX-011421
Date Collected: 01/14/21 10:40
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130000	50000	ug/L			01/27/21 12:28	5000
Acrolein	ND		100000	50000	ug/L			01/27/21 12:28	5000
Acrylonitrile	ND		50000	14000	ug/L			01/27/21 12:28	5000
Benzene	1200000		5000	1900	ug/L			01/27/21 12:28	5000
Bromobenzene	ND		5000	2700	ug/L			01/27/21 12:28	5000
Bromochloromethane	ND		5000	2600	ug/L			01/27/21 12:28	5000
Bromodichloromethane	ND		5000	2500	ug/L			01/27/21 12:28	5000
Bromoform	ND		25000	3600	ug/L			01/27/21 12:28	5000
Bromomethane	ND		5000	4900	ug/L			01/27/21 12:28	5000
2-Butanone (MEK)	ND		130000	13000	ug/L			01/27/21 12:28	5000
Carbon disulfide	ND		5000	2500	ug/L			01/27/21 12:28	5000
Carbon tetrachloride	ND		5000	2500	ug/L			01/27/21 12:28	5000
Chlorobenzene	ND		5000	2500	ug/L			01/27/21 12:28	5000
Dibromochloromethane	ND		5000	2500	ug/L			01/27/21 12:28	5000
Chloroethane	ND		5000	3800	ug/L			01/27/21 12:28	5000
2-Chloroethyl vinyl ether	ND		25000	10000	ug/L			01/27/21 12:28	5000
Chloroform	ND		5000	3000	ug/L			01/27/21 12:28	5000
1-Chlorohexane	ND		5000	3500	ug/L			01/27/21 12:28	5000
Chloromethane	ND		5000	4200	ug/L			01/27/21 12:28	5000
cis-1,2-Dichloroethene	ND		5000	2500	ug/L			01/27/21 12:28	5000
cis-1,3-Dichloropropene	ND		25000	2500	ug/L			01/27/21 12:28	5000
1,2-Dichlorobenzene	ND		5000	2500	ug/L			01/27/21 12:28	5000
1,3-Dichlorobenzene	ND		5000	2700	ug/L			01/27/21 12:28	5000
1,4-Dichlorobenzene	ND		5000	3200	ug/L			01/27/21 12:28	5000
Dichlorodifluoromethane	ND		5000	4300	ug/L			01/27/21 12:28	5000
1,1-Dichloroethane	ND		5000	2500	ug/L			01/27/21 12:28	5000
1,2-Dichloroethane	ND		5000	2500	ug/L			01/27/21 12:28	5000
1,1-Dichloroethene	ND		5000	2500	ug/L			01/27/21 12:28	5000
1,2-Dichloropropane	ND		5000	2500	ug/L			01/27/21 12:28	5000
1,3-Dichloropropane	ND		5000	2500	ug/L			01/27/21 12:28	5000
2,2-Dichloropropane	ND		5000	2500	ug/L			01/27/21 12:28	5000
1,1-Dichloropropene	ND		5000	2500	ug/L			01/27/21 12:28	5000
Ethylbenzene	ND		5000	2500	ug/L			01/27/21 12:28	5000
Ethyl methacrylate	ND		5000	3000	ug/L			01/27/21 12:28	5000
Hexachlorobutadiene	ND		25000	4500	ug/L			01/27/21 12:28	5000
2-Hexanone	ND		130000	16000	ug/L			01/27/21 12:28	5000
Isopropylbenzene	ND		5000	2700	ug/L			01/27/21 12:28	5000
Methylene bromide	ND		25000	3000	ug/L			01/27/21 12:28	5000
Methylene Chloride	ND		25000	15000	ug/L			01/27/21 12:28	5000
4-Methyl-2-pentanone (MIBK)	ND		130000	9000	ug/L			01/27/21 12:28	5000
Methyl tert-butyl ether	ND		5000	3700	ug/L			01/27/21 12:28	5000
m-Xylene & p-Xylene	ND		25000	8000	ug/L			01/27/21 12:28	5000
Naphthalene	ND		5000	5000	ug/L			01/27/21 12:28	5000
n-Butylbenzene	ND	*+	5000	3800	ug/L			01/27/21 12:28	5000
N-Propylbenzene	ND		5000	3500	ug/L			01/27/21 12:28	5000
o-Chlorotoluene	ND		5000	2900	ug/L			01/27/21 12:28	5000
o-Xylene	ND		25000	3000	ug/L			01/27/21 12:28	5000
p-Chlorotoluene	ND		5000	2800	ug/L			01/27/21 12:28	5000
p-Isopropyltoluene	ND	*+	5000	3600	ug/L			01/27/21 12:28	5000

Client Sample ID: P93B-ROX-011421
Date Collected: 01/14/21 10:40
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		5000	3500	ug/L			01/27/21 12:28	5000
Styrene	ND		5000	5000	ug/L			01/27/21 12:28	5000
tert-Butylbenzene	ND		5000	3200	ug/L			01/27/21 12:28	5000
1,1,1,2-Tetrachloroethane	ND		5000	2600	ug/L			01/27/21 12:28	5000
1,1,2,2-Tetrachloroethane	ND		5000	2500	ug/L			01/27/21 12:28	5000
Tetrachloroethene	ND		5000	2900	ug/L			01/27/21 12:28	5000
Toluene	ND		5000	2100	ug/L			01/27/21 12:28	5000
trans-1,2-Dichloroethene	ND		5000	2500	ug/L			01/27/21 12:28	5000
trans-1,3-Dichloropropene	ND		25000	2500	ug/L			01/27/21 12:28	5000
1,2,3-Trichlorobenzene	ND		5000	3500	ug/L			01/27/21 12:28	5000
1,2,4-Trichlorobenzene	ND		5000	4100	ug/L			01/27/21 12:28	5000
1,1,1-Trichloroethane	ND		5000	2500	ug/L			01/27/21 12:28	5000
1,1,2-Trichloroethane	ND		25000	2500	ug/L			01/27/21 12:28	5000
Trichloroethene	ND		5000	2500	ug/L			01/27/21 12:28	5000
Trichlorofluoromethane	ND		5000	2600	ug/L			01/27/21 12:28	5000
1,2,3-Trichloropropane	ND		25000	4200	ug/L			01/27/21 12:28	5000
1,2,4-Trimethylbenzene	ND		5000	4100	ug/L			01/27/21 12:28	5000
1,3,5-Trimethylbenzene	ND		5000	2800	ug/L			01/27/21 12:28	5000
Vinyl acetate	ND		130000	10000	ug/L			01/27/21 12:28	5000
Vinyl chloride	ND		5000	2500	ug/L			01/27/21 12:28	5000
Xylenes, Total	ND		50000	8000	ug/L			01/27/21 12:28	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*01/27/21 12:28*	*5000*
Dibromofluoromethane	*96*		*81 - 121*		*01/27/21 12:28*	*5000*
Toluene-d8 (Surr)	*105*		*80 - 120*		*01/27/21 12:28*	*5000*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.030	ug/L		01/18/21 13:41	01/20/21 16:18	1
Acenaphthylene	ND		0.19	0.043	ug/L		01/18/21 13:41	01/20/21 16:18	1
Anthracene	ND		0.19	0.030	ug/L		01/18/21 13:41	01/20/21 16:18	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		01/18/21 13:41	01/20/21 16:18	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		01/18/21 13:41	01/20/21 16:18	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		01/18/21 13:41	01/20/21 16:18	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		01/18/21 13:41	01/20/21 16:18	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		01/18/21 13:41	01/20/21 16:18	1
Chrysene	ND		0.19	0.070	ug/L		01/18/21 13:41	01/20/21 16:18	1
Dibenz(a,h)anthracene	ND		0.19	0.047	ug/L		01/18/21 13:41	01/20/21 16:18	1
Fluoranthene	ND		0.19	0.064	ug/L		01/18/21 13:41	01/20/21 16:18	1
Fluorene	ND		0.19	0.10	ug/L		01/18/21 13:41	01/20/21 16:18	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		01/18/21 13:41	01/20/21 16:18	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		01/18/21 13:41	01/20/21 16:18	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		01/18/21 13:41	01/20/21 16:18	1
Phenanthrene	ND		0.19	0.034	ug/L		01/18/21 13:41	01/20/21 16:18	1
Pyrene	ND		0.19	0.038	ug/L		01/18/21 13:41	01/20/21 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 122*	*01/18/21 13:41*	*01/20/21 16:18*	*1*
Nitrobenzene-d5	*80*		*19 - 130*	*01/18/21 13:41*	*01/20/21 16:18*	*1*

Client Sample ID: P93B-ROX-011421
Date Collected: 01/14/21 10:40
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-9
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	78		33 - 138	01/18/21 13:41	01/20/21 16:18	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.5	3.6	ug/L		01/18/21 13:41	01/21/21 17:48	1
Benzenethiol	ND	*-*1 WS	9.5	1.6	ug/L		01/18/21 13:41	01/21/21 17:48	1
Benzoic acid	ND	*1	28	6.9	ug/L		01/18/21 13:41	01/21/21 17:48	1
Benzyl alcohol	ND		9.5	1.9	ug/L		01/18/21 13:41	01/21/21 17:48	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		01/18/21 13:41	01/21/21 17:48	1
Bis(2-chloroethyl)ether	ND	*1	9.5	2.6	ug/L		01/18/21 13:41	01/21/21 17:48	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		01/18/21 13:41	01/21/21 17:48	1
Bis(2-ethylhexyl) phthalate	**8.4**	**J**	9.5	4.7	ug/L		01/18/21 13:41	01/21/21 17:48	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		01/18/21 13:41	01/21/21 17:48	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		01/18/21 13:41	01/21/21 17:48	1
4-Chloroaniline	ND		9.5	3.2	ug/L		01/18/21 13:41	01/21/21 17:48	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		01/18/21 13:41	01/21/21 17:48	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		01/18/21 13:41	01/21/21 17:48	1
2-Chlorophenol	ND		9.5	2.1	ug/L		01/18/21 13:41	01/21/21 17:48	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		01/18/21 13:41	01/21/21 17:48	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		01/18/21 13:41	01/21/21 17:48	1
Dibenzofuran	ND		9.5	0.16	ug/L		01/18/21 13:41	01/21/21 17:48	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		01/18/21 13:41	01/21/21 17:48	1
2,4-Dichlorophenol	ND		9.5	2.8	ug/L		01/18/21 13:41	01/21/21 17:48	1
Diethyl phthalate	ND		9.5	0.23	ug/L		01/18/21 13:41	01/21/21 17:48	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		01/18/21 13:41	01/21/21 17:48	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		01/18/21 13:41	01/21/21 17:48	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		01/18/21 13:41	01/21/21 17:48	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		01/18/21 13:41	01/21/21 17:48	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		01/18/21 13:41	01/21/21 17:48	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		01/18/21 13:41	01/21/21 17:48	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		01/18/21 13:41	01/21/21 17:48	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		01/18/21 13:41	01/21/21 17:48	1
1,4-Dioxane	ND		9.5	0.95	ug/L		01/18/21 13:41	01/21/21 17:48	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		01/18/21 13:41	01/21/21 17:48	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		01/18/21 13:41	01/21/21 17:48	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/18/21 13:41	01/21/21 17:48	1
Hexachloroethane	ND		9.5	4.0	ug/L		01/18/21 13:41	01/21/21 17:48	1
Indene	ND		9.5	0.95	ug/L		01/18/21 13:41	01/21/21 17:48	1
Isophorone	ND		9.5	0.13	ug/L		01/18/21 13:41	01/21/21 17:48	1
2-Methylphenol	ND		9.5	1.7	ug/L		01/18/21 13:41	01/21/21 17:48	1
3 & 4 Methylphenol	**2.4**	**J**	19	0.37	ug/L		01/18/21 13:41	01/21/21 17:48	1
2-Nitroaniline	ND		9.5	2.1	ug/L		01/18/21 13:41	01/21/21 17:48	1
3-Nitroaniline	ND		9.5	1.7	ug/L		01/18/21 13:41	01/21/21 17:48	1
4-Nitroaniline	ND		9.5	1.4	ug/L		01/18/21 13:41	01/21/21 17:48	1
Nitrobenzene	ND		9.5	0.12	ug/L		01/18/21 13:41	01/21/21 17:48	1
2-Nitrophenol	ND		9.5	4.9	ug/L		01/18/21 13:41	01/21/21 17:48	1
4-Nitrophenol	ND		9.5	2.0	ug/L		01/18/21 13:41	01/21/21 17:48	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		01/18/21 13:41	01/21/21 17:48	1

Client Sample ID: P93B-ROX-011421
Date Collected: 01/14/21 10:40
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.5	3.1	ug/L		01/18/21 13:41	01/21/21 17:48	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		01/18/21 13:41	01/21/21 17:48	1
Pentachlorophenol	ND		19	1.3	ug/L		01/18/21 13:41	01/21/21 17:48	1
Phenol	290	J	9.5	2.5	ug/L		01/18/21 13:41	01/21/21 17:48	1
Pyridine	ND		9.5	3.0	ug/L		01/18/21 13:41	01/21/21 17:48	1
Quinoline	ND	*-*1 UJ	9.5	4.3	ug/L		01/18/21 13:41	01/21/21 17:48	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		01/18/21 13:41	01/21/21 17:48	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		01/18/21 13:41	01/21/21 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*46 - 124*	*01/18/21 13:41*	*01/21/21 17:48*	*1*
2-Fluorophenol	*35*		*13 - 113*	*01/18/21 13:41*	*01/21/21 17:48*	*1*
Nitrobenzene-d5	*64*		*36 - 126*	*01/18/21 13:41*	*01/21/21 17:48*	*1*
Phenol-d5	*61*		*17 - 127*	*01/18/21 13:41*	*01/21/21 17:48*	*1*
Terphenyl-d14	*58*		*44 - 149*	*01/18/21 13:41*	*01/21/21 17:48*	*1*
2,4,6-Tribromophenol	*78*		*26 - 150*	*01/18/21 13:41*	*01/21/21 17:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND	H UJ	9.7	4.8	ug/L		01/25/21 08:51	01/28/21 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*50*		*46 - 124*	*01/25/21 08:51*	*01/28/21 00:20*	*1*
2-Fluorophenol	*35*		*13 - 113*	*01/25/21 08:51*	*01/28/21 00:20*	*1*
Nitrobenzene-d5	*74*		*36 - 126*	*01/25/21 08:51*	*01/28/21 00:20*	*1*
Phenol-d5	*72*		*17 - 127*	*01/25/21 08:51*	*01/28/21 00:20*	*1*
Terphenyl-d14	*54*		*44 - 149*	*01/25/21 08:51*	*01/28/21 00:20*	*1*
2,4,6-Tribromophenol	*60*		*26 - 150*	*01/25/21 08:51*	*01/28/21 00:20*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/22/21 12:09	01/22/21 21:02	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/22/21 12:09	01/22/21 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 21:02*	*1*

Client Sample ID: P93B-ROX-011421-DUP
Date Collected: 01/14/21 10:40
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130000	50000	ug/L			01/27/21 12:54	5000
Acrolein	ND		100000	50000	ug/L			01/27/21 12:54	5000
Acrylonitrile	ND		50000	14000	ug/L			01/27/21 12:54	5000
Benzene	1100000		5000	1900	ug/L			01/27/21 12:54	5000
Bromobenzene	ND		5000	2700	ug/L			01/27/21 12:54	5000
Bromochloromethane	ND		5000	2600	ug/L			01/27/21 12:54	5000
Bromodichloromethane	ND		5000	2500	ug/L			01/27/21 12:54	5000
Bromoform	ND		25000	3600	ug/L			01/27/21 12:54	5000
Bromomethane	ND		5000	4900	ug/L			01/27/21 12:54	5000
2-Butanone (MEK)	ND		130000	13000	ug/L			01/27/21 12:54	5000
Carbon disulfide	ND		5000	2500	ug/L			01/27/21 12:54	5000
Carbon tetrachloride	ND		5000	2500	ug/L			01/27/21 12:54	5000
Chlorobenzene	ND		5000	2500	ug/L			01/27/21 12:54	5000
Dibromochloromethane	ND		5000	2500	ug/L			01/27/21 12:54	5000
Chloroethane	ND		5000	3800	ug/L			01/27/21 12:54	5000
2-Chloroethyl vinyl ether	ND		25000	10000	ug/L			01/27/21 12:54	5000
Chloroform	ND		5000	3000	ug/L			01/27/21 12:54	5000
1-Chlorohexane	ND		5000	3500	ug/L			01/27/21 12:54	5000
Chloromethane	ND		5000	4200	ug/L			01/27/21 12:54	5000
cis-1,2-Dichloroethene	ND		5000	2500	ug/L			01/27/21 12:54	5000
cis-1,3-Dichloropropene	ND		25000	2500	ug/L			01/27/21 12:54	5000
1,2-Dichlorobenzene	ND		5000	2500	ug/L			01/27/21 12:54	5000
1,3-Dichlorobenzene	ND		5000	2700	ug/L			01/27/21 12:54	5000
1,4-Dichlorobenzene	ND		5000	3200	ug/L			01/27/21 12:54	5000
Dichlorodifluoromethane	ND		5000	4300	ug/L			01/27/21 12:54	5000
1,1-Dichloroethane	ND		5000	2500	ug/L			01/27/21 12:54	5000
1,2-Dichloroethane	ND		5000	2500	ug/L			01/27/21 12:54	5000
1,1-Dichloroethene	ND		5000	2500	ug/L			01/27/21 12:54	5000
1,2-Dichloropropane	ND		5000	2500	ug/L			01/27/21 12:54	5000
1,3-Dichloropropane	ND		5000	2500	ug/L			01/27/21 12:54	5000
2,2-Dichloropropane	ND		5000	2500	ug/L			01/27/21 12:54	5000
1,1-Dichloropropene	ND		5000	2500	ug/L			01/27/21 12:54	5000
Ethylbenzene	ND		5000	2500	ug/L			01/27/21 12:54	5000
Ethyl methacrylate	ND		5000	3000	ug/L			01/27/21 12:54	5000
Hexachlorobutadiene	ND		25000	4500	ug/L			01/27/21 12:54	5000
2-Hexanone	ND		130000	16000	ug/L			01/27/21 12:54	5000
Isopropylbenzene	ND		5000	2700	ug/L			01/27/21 12:54	5000
Methylene bromide	ND		25000	3000	ug/L			01/27/21 12:54	5000
Methylene Chloride	ND		25000	15000	ug/L			01/27/21 12:54	5000
4-Methyl-2-pentanone (MIBK)	ND		130000	9000	ug/L			01/27/21 12:54	5000
Methyl tert-butyl ether	ND		5000	3700	ug/L			01/27/21 12:54	5000
m-Xylene & p-Xylene	ND		25000	8000	ug/L			01/27/21 12:54	5000
Naphthalene	ND		5000	5000	ug/L			01/27/21 12:54	5000
n-Butylbenzene	ND	*+	5000	3800	ug/L			01/27/21 12:54	5000
N-Propylbenzene	ND		5000	3500	ug/L			01/27/21 12:54	5000
o-Chlorotoluene	ND		5000	2900	ug/L			01/27/21 12:54	5000
o-Xylene	ND		25000	3000	ug/L			01/27/21 12:54	5000
p-Chlorotoluene	ND		5000	2800	ug/L			01/27/21 12:54	5000
p-Isopropyltoluene	ND	*+	5000	3600	ug/L			01/27/21 12:54	5000

Client Sample ID: P93B-ROX-011421-DUP
Date Collected: 01/14/21 10:40
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		5000	3500	ug/L			01/27/21 12:54	5000
Styrene	ND		5000	5000	ug/L			01/27/21 12:54	5000
tert-Butylbenzene	ND		5000	3200	ug/L			01/27/21 12:54	5000
1,1,1,2-Tetrachloroethane	ND		5000	2600	ug/L			01/27/21 12:54	5000
1,1,2,2-Tetrachloroethane	ND		5000	2500	ug/L			01/27/21 12:54	5000
Tetrachloroethene	ND		5000	2900	ug/L			01/27/21 12:54	5000
Toluene	ND		5000	2100	ug/L			01/27/21 12:54	5000
trans-1,2-Dichloroethene	ND		5000	2500	ug/L			01/27/21 12:54	5000
trans-1,3-Dichloropropene	ND		25000	2500	ug/L			01/27/21 12:54	5000
1,2,3-Trichlorobenzene	ND		5000	3500	ug/L			01/27/21 12:54	5000
1,2,4-Trichlorobenzene	ND		5000	4100	ug/L			01/27/21 12:54	5000
1,1,1-Trichloroethane	ND		5000	2500	ug/L			01/27/21 12:54	5000
1,1,2-Trichloroethane	ND		25000	2500	ug/L			01/27/21 12:54	5000
Trichloroethene	ND		5000	2500	ug/L			01/27/21 12:54	5000
Trichlorofluoromethane	ND		5000	2600	ug/L			01/27/21 12:54	5000
1,2,3-Trichloropropane	ND		25000	4200	ug/L			01/27/21 12:54	5000
1,2,4-Trimethylbenzene	ND		5000	4100	ug/L			01/27/21 12:54	5000
1,3,5-Trimethylbenzene	ND		5000	2800	ug/L			01/27/21 12:54	5000
Vinyl acetate	ND		130000	10000	ug/L			01/27/21 12:54	5000
Vinyl chloride	ND		5000	2500	ug/L			01/27/21 12:54	5000
Xylenes, Total	ND		50000	8000	ug/L			01/27/21 12:54	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*78 - 118*		*01/27/21 12:54*	*5000*
Dibromofluoromethane	*94*		*81 - 121*		*01/27/21 12:54*	*5000*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/27/21 12:54*	*5000*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.031	ug/L		01/18/21 13:41	01/20/21 16:33	1
Acenaphthylene	ND		0.19	0.044	ug/L		01/18/21 13:41	01/20/21 16:33	1
Anthracene	ND		0.19	0.031	ug/L		01/18/21 13:41	01/20/21 16:33	1
Benzo[a]anthracene	ND		0.19	0.045	ug/L		01/18/21 13:41	01/20/21 16:33	1
Benzo[a]pyrene	ND		0.19	0.041	ug/L		01/18/21 13:41	01/20/21 16:33	1
Benzo[b]fluoranthene	ND		0.19	0.033	ug/L		01/18/21 13:41	01/20/21 16:33	1
Benzo[g,h,i]perylene	ND		0.19	0.13	ug/L		01/18/21 13:41	01/20/21 16:33	1
Benzo[k]fluoranthene	ND		0.19	0.097	ug/L		01/18/21 13:41	01/20/21 16:33	1
Chrysene	ND		0.19	0.072	ug/L		01/18/21 13:41	01/20/21 16:33	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		01/18/21 13:41	01/20/21 16:33	1
Fluoranthene	ND		0.19	0.066	ug/L		01/18/21 13:41	01/20/21 16:33	1
Fluorene	ND		0.19	0.11	ug/L		01/18/21 13:41	01/20/21 16:33	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.042	ug/L		01/18/21 13:41	01/20/21 16:33	1
1-Methylnaphthalene	ND		0.19	0.072	ug/L		01/18/21 13:41	01/20/21 16:33	1
2-Methylnaphthalene	ND		0.19	0.058	ug/L		01/18/21 13:41	01/20/21 16:33	1
Phenanthrene	ND		0.19	0.035	ug/L		01/18/21 13:41	01/20/21 16:33	1
Pyrene	ND		0.19	0.039	ug/L		01/18/21 13:41	01/20/21 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*15 - 122*	*01/18/21 13:41*	*01/20/21 16:33*	*1*
Nitrobenzene-d5	*72*		*19 - 130*	*01/18/21 13:41*	*01/20/21 16:33*	*1*

Client Sample ID: P93B-ROX-011421-DUP
Date Collected: 01/14/21 10:40
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-10
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	79		33 - 138	01/18/21 13:41	01/20/21 16:33	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.7	3.7	ug/L		01/18/21 13:41	01/21/21 18:10	1
Benzenethiol	ND	*- *1 UJ	9.7	1.6	ug/L		01/18/21 13:41	01/21/21 18:10	1
Benzoic acid	ND	*1	29	7.1	ug/L		01/18/21 13:41	01/21/21 18:10	1
Benzyl alcohol	ND		9.7	1.9	ug/L		01/18/21 13:41	01/21/21 18:10	1
Bis(2-chloroethoxy)methane	ND		9.7	0.15	ug/L		01/18/21 13:41	01/21/21 18:10	1
Bis(2-chloroethyl)ether	ND	*1	9.7	2.6	ug/L		01/18/21 13:41	01/21/21 18:10	1
bis (2-chloroisopropyl) ether	ND		9.7	0.15	ug/L		01/18/21 13:41	01/21/21 18:10	1
Bis(2-ethylhexyl) phthalate	31		9.7	4.8	ug/L		01/18/21 13:41	01/21/21 18:10	1
4-Bromophenyl phenyl ether	ND		9.7	0.19	ug/L		01/18/21 13:41	01/21/21 18:10	1
Butyl benzyl phthalate	ND		9.7	0.18	ug/L		01/18/21 13:41	01/21/21 18:10	1
4-Chloroaniline	ND		9.7	3.3	ug/L		01/18/21 13:41	01/21/21 18:10	1
4-Chloro-3-methylphenol	ND		9.7	3.7	ug/L		01/18/21 13:41	01/21/21 18:10	1
2-Chloronaphthalene	ND		9.7	0.14	ug/L		01/18/21 13:41	01/21/21 18:10	1
2-Chlorophenol	ND		9.7	2.1	ug/L		01/18/21 13:41	01/21/21 18:10	1
4-Chlorophenyl phenyl ether	ND		9.7	1.9	ug/L		01/18/21 13:41	01/21/21 18:10	1
Dibenz[a,h]acridine	ND		9.7	0.97	ug/L		01/18/21 13:41	01/21/21 18:10	1
Dibenzofuran	ND		9.7	0.16	ug/L		01/18/21 13:41	01/21/21 18:10	1
3,3'-Dichlorobenzidine	ND		9.7	2.5	ug/L		01/18/21 13:41	01/21/21 18:10	1
2,4-Dichlorophenol	ND		9.7	2.9	ug/L		01/18/21 13:41	01/21/21 18:10	1
Diethyl phthalate	ND		9.7	0.23	ug/L		01/18/21 13:41	01/21/21 18:10	1
2,4-Dimethylphenol	ND		9.7	3.4	ug/L		01/18/21 13:41	01/21/21 18:10	1
Dimethyl phthalate	ND		9.7	0.16	ug/L		01/18/21 13:41	01/21/21 18:10	1
Di-n-butyl phthalate	ND		9.7	2.6	ug/L		01/18/21 13:41	01/21/21 18:10	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.5	ug/L		01/18/21 13:41	01/21/21 18:10	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		01/18/21 13:41	01/21/21 18:10	1
2,4-Dinitrotoluene	ND		9.7	1.8	ug/L		01/18/21 13:41	01/21/21 18:10	1
2,6-Dinitrotoluene	ND		9.7	1.8	ug/L		01/18/21 13:41	01/21/21 18:10	1
Di-n-octyl phthalate	ND		9.7	0.16	ug/L		01/18/21 13:41	01/21/21 18:10	1
1,4-Dioxane	ND		9.7	0.97	ug/L		01/18/21 13:41	01/21/21 18:10	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.97	ug/L		01/18/21 13:41	01/21/21 18:10	1
Hexachlorobenzene	ND		9.7	0.16	ug/L		01/18/21 13:41	01/21/21 18:10	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/18/21 13:41	01/21/21 18:10	1
Hexachloroethane	ND		9.7	4.1	ug/L		01/18/21 13:41	01/21/21 18:10	1
Indene	ND		9.7	0.97	ug/L		01/18/21 13:41	01/21/21 18:10	1
Isophorone	ND		9.7	0.14	ug/L		01/18/21 13:41	01/21/21 18:10	1
2-Methylphenol	ND		9.7	1.7	ug/L		01/18/21 13:41	01/21/21 18:10	1
3 & 4 Methylphenol	0.95	J	19	0.38	ug/L		01/18/21 13:41	01/21/21 18:10	1
2-Nitroaniline	ND		9.7	2.1	ug/L		01/18/21 13:41	01/21/21 18:10	1
3-Nitroaniline	ND		9.7	1.7	ug/L		01/18/21 13:41	01/21/21 18:10	1
4-Nitroaniline	ND		9.7	1.5	ug/L		01/18/21 13:41	01/21/21 18:10	1
Nitrobenzene	ND		9.7	0.13	ug/L		01/18/21 13:41	01/21/21 18:10	1
2-Nitrophenol	ND		9.7	5.0	ug/L		01/18/21 13:41	01/21/21 18:10	1
4-Nitrophenol	ND		9.7	2.0	ug/L		01/18/21 13:41	01/21/21 18:10	1
N-Nitrosodimethylamine	ND		9.7	3.4	ug/L		01/18/21 13:41	01/21/21 18:10	1

Client Sample ID: P93B-ROX-011421-DUP
Date Collected: 01/14/21 10:40
Date Received: 01/15/21 09:10

Lab Sample ID: 400-198248-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.7	3.2	ug/L		01/18/21 13:41	01/21/21 18:10	1
N-Nitrosodiphenylamine	ND		9.7	0.17	ug/L		01/18/21 13:41	01/21/21 18:10	1
Pentachlorophenol	ND		19	1.4	ug/L		01/18/21 13:41	01/21/21 18:10	1
Phenol	160	J	9.7	2.5	ug/L		01/18/21 13:41	01/21/21 18:10	1
Pyridine	ND		9.7	3.1	ug/L		01/18/21 13:41	01/21/21 18:10	1
Quinoline	ND	*- *1 UJ	9.7	4.4	ug/L		01/18/21 13:41	01/21/21 18:10	1
2,4,5-Trichlorophenol	ND		9.7	3.6	ug/L		01/18/21 13:41	01/21/21 18:10	1
2,4,6-Trichlorophenol	ND		9.7	3.4	ug/L		01/18/21 13:41	01/21/21 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*46 - 124*	*01/18/21 13:41*	*01/21/21 18:10*	*1*
2-Fluorophenol	*7*	*S1-*	*13 - 113*	*01/18/21 13:41*	*01/21/21 18:10*	*1*
Nitrobenzene-d5	*58*		*36 - 126*	*01/18/21 13:41*	*01/21/21 18:10*	*1*
Phenol-d5	*26*		*17 - 127*	*01/18/21 13:41*	*01/21/21 18:10*	*1*
Terphenyl-d14	*57*		*44 - 149*	*01/18/21 13:41*	*01/21/21 18:10*	*1*
2,4,6-Tribromophenol	*62*		*26 - 150*	*01/18/21 13:41*	*01/21/21 18:10*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND	H UJ	9.4	4.7	ug/L		01/25/21 08:51	01/28/21 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*106*		*46 - 124*	*01/25/21 08:51*	*01/28/21 18:26*	*1*
2-Fluorophenol	*44*		*13 - 113*	*01/25/21 08:51*	*01/28/21 18:26*	*1*
Nitrobenzene-d5	*68*		*36 - 126*	*01/25/21 08:51*	*01/28/21 18:26*	*1*
Phenol-d5	*61*		*17 - 127*	*01/25/21 08:51*	*01/28/21 18:26*	*1*
Terphenyl-d14	*100*		*44 - 149*	*01/25/21 08:51*	*01/28/21 18:26*	*1*
2,4,6-Tribromophenol	*167*	*S1+*	*26 - 150*	*01/25/21 08:51*	*01/28/21 18:26*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/22/21 12:09	01/22/21 21:22	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/22/21 12:09	01/22/21 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 21:22*	*1*

Definitions/Glossary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-198248-1	TB-ROX-011421-8260-A	101	97	106
400-198248-3	MW2-ROX-011421	104	98	107
400-198248-3 - RA	MW2-ROX-011421	100	106	95
400-198248-3 MS	MW2-ROX-011421	102	99	105
400-198248-3 MSD	MW2-ROX-011421	102	98	108
400-198248-4	ROST4PZC-ROX-011421	99	101	108
400-198248-4 - RA	ROST4PZC-ROX-011421	97	107	96
400-198248-5	MW28-ROX-011421	101	99	106
400-198248-5 - RA	MW28-ROX-011421	99	107	95
400-198248-6	TB-ROX-011421-8260-B	98	99	105
400-198248-8	P93A-ROX-011421	99	96	108
400-198248-8 - DL	P93A-ROX-011421	97	109	98
400-198248-9	P93B-ROX-011421	100	96	105
400-198248-10	P93B-ROX-011421-DUP	104	94	106
LCS 400-518565/1002	Lab Control Sample	102	99	100
LCS 400-518707/1002	Lab Control Sample	94	103	95
MB 400-518565/5	Method Blank	104	99	104
MB 400-518707/4	Method Blank	95	107	98

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(46-124)	(13-113)	(36-126)	(17-127)	(44-149)	(26-150)
400-198248-3	MW2-ROX-011421	75	37	67	66	62	72
400-198248-3 - RERA	MW2-ROX-011421	111	31	71	47	108	170 S1+
400-198248-4	ROST4PZC-ROX-011421	66	17	61	40	63	62
400-198248-4 - RERA	ROST4PZC-ROX-011421	43 S1-	26	60	54	45	50
400-198248-5	MW28-ROX-011421	67	52	63	65	62	62
400-198248-5 - RERA	MW28-ROX-011421	44 S1-	35	62	51	50	46
400-198248-8	P93A-ROX-011421	72	36	66	64	71	57
400-198248-8 - RERA	P93A-ROX-011421	37 S1-	27	57	48	45	43
400-198248-9	P93B-ROX-011421	70	35	64	61	58	78
400-198248-9 - RERA	P93B-ROX-011421	50	35	74	72	54	60
400-198248-10	P93B-ROX-011421-DUP	63	7 S1-	58	26	57	62
400-198248-10 - RERA	P93B-ROX-011421-DUP	106	44	68	61	100	167 S1+
LCS 400-517731/2-A	Lab Control Sample	61	26	55	42	56	63
LCS 400-517731/4-A	Lab Control Sample	49	21	43	37	49	22 S1-
LCS 400-518330/2-A	Lab Control Sample	81	55	96	79	99	106
LCSD 400-517731/3-A	Lab Control Sample Dup	70	27	62	46	66	69
LCSD 400-517731/5-A	Lab Control Sample Dup	71	40	57	54	72	54
LCSD 400-518330/3-A	Lab Control Sample Dup	79	41	94	68	97	97
MB 400-517731/1-A	Method Blank	69	18	55	44	69	65
MB 400-518330/1-A	Method Blank	81	43	85	73	97	81

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHL
Lab Sample ID	Client Sample ID	(15-122)	(19-130)	(33-138)
400-198248-3	MW2-ROX-011421	73	85	78
400-198248-4	ROST4PZC-ROX-011421	95	94	118
400-198248-5	MW28-ROX-011421	70	77	82
400-198248-8	P93A-ROX-011421	80	85	93
400-198248-9	P93B-ROX-011421	77	80	78
400-198248-10	P93B-ROX-011421-DUP	69	72	79
LCS 400-517731/2-A	Lab Control Sample	78	69	80
LCSD 400-517731/3-A	Lab Control Sample Dup	87	63	88
MB 400-517731/1-A	Method Blank	67	69	76

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB2
Lab Sample ID	Client Sample ID	(51-149)
400-198248-2	TB-ROX-011421-8011-A	107 p
400-198248-3	MW2-ROX-011421	85 p
400-198248-4	ROST4PZC-ROX-011421	97
400-198248-5	MW28-ROX-011421	89 p
400-198248-7	TB-ROX-011421-8011-B	102 p
400-198248-8	P93A-ROX-011421	113
400-198248-9	P93B-ROX-011421	102 p
400-198248-10	P93B-ROX-011421-DUP	94 p
LCS 400-518215/2-A	Lab Control Sample	99
LCSD 400-518215/3-A	Lab Control Sample Dup	93
MB 400-518215/1-A	Method Blank	95

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL PEN
5030B	Purge and Trap	SW846	TAL PEN
8011	Microextraction	SW846	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

Client Sample ID: TB-ROX-011421-8260-A

Lab Sample ID: 400-198248-1

Date Collected: 01/14/21 00:00
Matrix: Water
Date Received: 01/15/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518565	01/27/21 16:00	AMB	TAL PEN

Client Sample ID: TB-ROX-011421-8011-A

Lab Sample ID: 400-198248-2

Date Collected: 01/14/21 00:00
Matrix: Water
Date Received: 01/15/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.4 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 19:04	DS	TAL PEN

Client Sample ID: MW2-ROX-011421

Lab Sample ID: 400-198248-3

Date Collected: 01/14/21 09:30
Matrix: Water
Date Received: 01/15/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	518707	01/28/21 15:01	WPD	TAL PEN
Total/NA	Analysis	8260B		1	5 mL	5 mL	518565	01/27/21 11:35	AMB	TAL PEN
Total/NA	Prep	3520C			238 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518108	01/21/21 16:23	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		245.8 mL	1 mL	518330	01/25/21 08:51	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			518805	01/28/21 18:01	S1B	TAL PEN
Total/NA	Prep	3520C			238 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 15:15	PP1	TAL PEN
Total/NA	Prep	8011			34.2 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 19:24	DS	TAL PEN

Client Sample ID: ROST4PZC-ROX-011421

Lab Sample ID: 400-198248-4

Date Collected: 01/14/21 10:45
Matrix: Water
Date Received: 01/15/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	518707	01/28/21 15:25	WPD	TAL PEN
Total/NA	Analysis	8260B		1	5 mL	5 mL	518565	01/27/21 16:26	AMB	TAL PEN
Total/NA	Prep	3520C			235.4 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518108	01/21/21 16:44	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		238.2 mL	1 mL	518330	01/25/21 08:51	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			518597	01/27/21 23:17	S1B	TAL PEN
Total/NA	Prep	3520C			235.4 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 15:31	PP1	TAL PEN
Total/NA	Prep	8011			34.6 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 19:43	DS	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

Client Sample ID: MW28-ROX-011421

Lab Sample ID: 400-198248-5

Date Collected: 01/14/21 12:45
Matrix: Water
Date Received: 01/15/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	1	5 mL	5 mL	518707	01/28/21 14:35	WPD	TAL PEN
Total/NA	Analysis	8260B		1	5 mL	5 mL	518565	01/27/21 16:53	AMB	TAL PEN
Total/NA	Prep	3520C			239.4 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518108	01/21/21 17:06	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		243 mL	1 mL	518330	01/25/21 08:51	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			518597	01/27/21 23:38	S1B	TAL PEN
Total/NA	Prep	3520C			239.4 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 15:46	PP1	TAL PEN
Total/NA	Prep	8011			34.3 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 20:03	DS	TAL PEN

Client Sample ID: TB-ROX-011421-8260-B

Lab Sample ID: 400-198248-6

Date Collected: 01/14/21 00:00
Matrix: Water
Date Received: 01/15/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518565	01/27/21 17:19	AMB	TAL PEN

Client Sample ID: TB-ROX-011421-8011-B

Lab Sample ID: 400-198248-7

Date Collected: 01/14/21 00:00
Matrix: Water
Date Received: 01/15/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			33.8 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 20:23	DS	TAL PEN

Client Sample ID: P93A-ROX-011421

Lab Sample ID: 400-198248-8

Date Collected: 01/14/21 09:40
Matrix: Water
Date Received: 01/15/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	2	5 mL	5 mL	518707	01/28/21 15:50	WPD	TAL PEN
Total/NA	Analysis	8260B		1	5 mL	5 mL	518565	01/27/21 17:46	AMB	TAL PEN
Total/NA	Prep	3520C			266.8 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518108	01/21/21 17:27	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		264.8 mL	1 mL	518330	01/25/21 08:51	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			518597	01/27/21 23:59	S1B	TAL PEN
Total/NA	Prep	3520C			266.8 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 16:02	PP1	TAL PEN
Total/NA	Prep	8011			34.5 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 20:42	DS	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

Client Sample ID: P93B-ROX-011421

Lab Sample ID: 400-198248-9

Date Collected: 01/14/21 10:40
Matrix: Water
Date Received: 01/15/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5000	5 mL	5 mL	518565	01/27/21 12:28	AMB	TAL PEN
Total/NA	Prep	3520C			264 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518108	01/21/21 17:48	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		258 mL	1 mL	518330	01/25/21 08:51	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			518597	01/28/21 00:20	S1B	TAL PEN
Total/NA	Prep	3520C			264 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 16:18	PP1	TAL PEN
Total/NA	Prep	8011			35 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 21:02	DS	TAL PEN

Client Sample ID: P93B-ROX-011421-DUP

Lab Sample ID: 400-198248-10

Date Collected: 01/14/21 10:40
Matrix: Water
Date Received: 01/15/21 09:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5000	5 mL	5 mL	518565	01/27/21 12:54	AMB	TAL PEN
Total/NA	Prep	3520C			258.2 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518108	01/21/21 18:10	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		264.8 mL	1 mL	518330	01/25/21 08:51	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			518805	01/28/21 18:26	S1B	TAL PEN
Total/NA	Prep	3520C			258.2 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 16:33	PP1	TAL PEN
Total/NA	Prep	8011			34.9 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 21:22	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517731/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 16:55	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			517959	01/20/21 12:09	PP1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-518215/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 15:07	DS	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

Client Sample ID: Method Blank
Lab Sample ID: MB 400-518330/1-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	518330	01/25/21 08:51	KWS	TAL PEN
Total/NA	Analysis	8270D		1	0.4 mL	1.0 mL	518676	01/27/21 18:01	S1B	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-518565/5
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518565	01/27/21 11:08	AMB	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-518707/4
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518707	01/28/21 08:26	WPD	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-517731/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 17:21	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		5			517959	01/20/21 12:24	PP1	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-517731/4-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 18:13	S1B	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-518215/2-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 15:27	DS	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-518330/2-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	518330	01/25/21 08:51	KWS	TAL PEN
Total/NA	Analysis	8270D		1			518676	01/27/21 18:26	S1B	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-518565/1002

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518565	01/27/21 09:41	AMB	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-518707/1002

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518707	01/28/21 07:28	WPD	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-517731/3-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 17:47	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D LL		5			517959	01/20/21 12:40	PP1	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-517731/5-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517731	01/18/21 13:41	NTH	TAL PEN
Total/NA	Analysis	8270D		1			517996	01/20/21 18:39	S1B	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-518215/3-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 15:47	DS	TAL PEN

Lab Chronicle

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-518330/3-A

Date Collected: N/A
Date Received: N/A

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	518330	01/25/21 08:51	KWS	TAL PEN
Total/NA	Analysis	8270D		1			518676	01/27/21 18:50	S1B	TAL PEN

Client Sample ID: MW2-ROX-011421

Lab Sample ID: 400-198248-3 MS

Date Collected: 01/14/21 09:30
Date Received: 01/15/21 09:10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518565	01/27/21 13:21	AMB	TAL PEN

Client Sample ID: MW2-ROX-011421

Lab Sample ID: 400-198248-3 MSD

Date Collected: 01/14/21 09:30
Date Received: 01/15/21 09:10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518565	01/27/21 13:47	AMB	TAL PEN

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

GC/MS VOA

Analysis Batch: 518565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198248-1	TB-ROX-011421-8260-A	Total/NA	Water	8260B	
400-198248-3	MW2-ROX-011421	Total/NA	Water	8260B	
400-198248-4	ROST4PZC-ROX-011421	Total/NA	Water	8260B	
400-198248-5	MW28-ROX-011421	Total/NA	Water	8260B	
400-198248-6	TB-ROX-011421-8260-B	Total/NA	Water	8260B	
400-198248-8	P93A-ROX-011421	Total/NA	Water	8260B	
400-198248-9	P93B-ROX-011421	Total/NA	Water	8260B	
400-198248-10	P93B-ROX-011421-DUP	Total/NA	Water	8260B	
MB 400-518565/5	Method Blank	Total/NA	Water	8260B	
LCS 400-518565/1002	Lab Control Sample	Total/NA	Water	8260B	
400-198248-3 MS	MW2-ROX-011421	Total/NA	Water	8260B	
400-198248-3 MSD	MW2-ROX-011421	Total/NA	Water	8260B	

Analysis Batch: 518707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198248-3 - RA	MW2-ROX-011421	Total/NA	Water	8260B	
400-198248-4 - RA	ROST4PZC-ROX-011421	Total/NA	Water	8260B	
400-198248-5 - RA	MW28-ROX-011421	Total/NA	Water	8260B	
400-198248-8 - DL	P93A-ROX-011421	Total/NA	Water	8260B	
MB 400-518707/4	Method Blank	Total/NA	Water	8260B	
LCS 400-518707/1002	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 517731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198248-3	MW2-ROX-011421	Total/NA	Water	3520C	
400-198248-4	ROST4PZC-ROX-011421	Total/NA	Water	3520C	
400-198248-5	MW28-ROX-011421	Total/NA	Water	3520C	
400-198248-8	P93A-ROX-011421	Total/NA	Water	3520C	
400-198248-9	P93B-ROX-011421	Total/NA	Water	3520C	
400-198248-10	P93B-ROX-011421-DUP	Total/NA	Water	3520C	
MB 400-517731/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-517731/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-517731/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-517731/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-517731/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 517959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198248-3	MW2-ROX-011421	Total/NA	Water	8270D LL	517731
400-198248-4	ROST4PZC-ROX-011421	Total/NA	Water	8270D LL	517731
400-198248-5	MW28-ROX-011421	Total/NA	Water	8270D LL	517731
400-198248-8	P93A-ROX-011421	Total/NA	Water	8270D LL	517731
400-198248-9	P93B-ROX-011421	Total/NA	Water	8270D LL	517731
400-198248-10	P93B-ROX-011421-DUP	Total/NA	Water	8270D LL	517731
MB 400-517731/1-A	Method Blank	Total/NA	Water	8270D LL	517731
LCS 400-517731/2-A	Lab Control Sample	Total/NA	Water	8270D LL	517731
LCSD 400-517731/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	517731

QC Association Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

GC/MS Semi VOA

Analysis Batch: 517996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-517731/1-A	Method Blank	Total/NA	Water	8270D	517731
LCS 400-517731/2-A	Lab Control Sample	Total/NA	Water	8270D	517731
LCS 400-517731/4-A	Lab Control Sample	Total/NA	Water	8270D	517731
LCSD 400-517731/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	517731
LCSD 400-517731/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	517731

Analysis Batch: 518108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198248-3	MW2-ROX-011421	Total/NA	Water	8270D	517731
400-198248-4	ROST4PZC-ROX-011421	Total/NA	Water	8270D	517731
400-198248-5	MW28-ROX-011421	Total/NA	Water	8270D	517731
400-198248-8	P93A-ROX-011421	Total/NA	Water	8270D	517731
400-198248-9	P93B-ROX-011421	Total/NA	Water	8270D	517731
400-198248-10	P93B-ROX-011421-DUP	Total/NA	Water	8270D	517731

Prep Batch: 518330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198248-3 - RERA	MW2-ROX-011421	Total/NA	Water	3520C	
400-198248-4 - RERA	ROST4PZC-ROX-011421	Total/NA	Water	3520C	
400-198248-5 - RERA	MW28-ROX-011421	Total/NA	Water	3520C	
400-198248-8 - RERA	P93A-ROX-011421	Total/NA	Water	3520C	
400-198248-9 - RERA	P93B-ROX-011421	Total/NA	Water	3520C	
400-198248-10 - RERA	P93B-ROX-011421-DUP	Total/NA	Water	3520C	
MB 400-518330/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-518330/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-518330/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 518597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198248-4 - RERA	ROST4PZC-ROX-011421	Total/NA	Water	8270D	518330
400-198248-5 - RERA	MW28-ROX-011421	Total/NA	Water	8270D	518330
400-198248-8 - RERA	P93A-ROX-011421	Total/NA	Water	8270D	518330
400-198248-9 - RERA	P93B-ROX-011421	Total/NA	Water	8270D	518330

Analysis Batch: 518676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-518330/1-A	Method Blank	Total/NA	Water	8270D	518330
LCS 400-518330/2-A	Lab Control Sample	Total/NA	Water	8270D	518330
LCSD 400-518330/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	518330

Analysis Batch: 518805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198248-3 - RERA	MW2-ROX-011421	Total/NA	Water	8270D	518330
400-198248-10 - RERA	P93B-ROX-011421-DUP	Total/NA	Water	8270D	518330

GC Semi VOA

Prep Batch: 518215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198248-2	TB-ROX-011421-8011-A	Total/NA	Water	8011	
400-198248-3	MW2-ROX-011421	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 518215 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198248-4	ROST4PZC-ROX-011421	Total/NA	Water	8011	
400-198248-5	MW28-ROX-011421	Total/NA	Water	8011	
400-198248-7	TB-ROX-011421-8011-B	Total/NA	Water	8011	
400-198248-8	P93A-ROX-011421	Total/NA	Water	8011	
400-198248-9	P93B-ROX-011421	Total/NA	Water	8011	
400-198248-10	P93B-ROX-011421-DUP	Total/NA	Water	8011	
MB 400-518215/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-518215/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-518215/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 518231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198248-2	TB-ROX-011421-8011-A	Total/NA	Water	8011	518215
400-198248-3	MW2-ROX-011421	Total/NA	Water	8011	518215
400-198248-4	ROST4PZC-ROX-011421	Total/NA	Water	8011	518215
400-198248-5	MW28-ROX-011421	Total/NA	Water	8011	518215
400-198248-7	TB-ROX-011421-8011-B	Total/NA	Water	8011	518215
400-198248-8	P93A-ROX-011421	Total/NA	Water	8011	518215
400-198248-9	P93B-ROX-011421	Total/NA	Water	8011	518215
400-198248-10	P93B-ROX-011421-DUP	Total/NA	Water	8011	518215
MB 400-518215/1-A	Method Blank	Total/NA	Water	8011	518215
LCS 400-518215/2-A	Lab Control Sample	Total/NA	Water	8011	518215
LCSD 400-518215/3-A	Lab Control Sample Dup	Total/NA	Water	8011	518215

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-518565/5
Matrix: Water
Analysis Batch: 518565

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/27/21 11:08	1
Acrolein	ND		20	10	ug/L			01/27/21 11:08	1
Acrylonitrile	ND		10	2.8	ug/L			01/27/21 11:08	1
Benzene	ND		1.0	0.38	ug/L			01/27/21 11:08	1
Bromobenzene	ND		1.0	0.54	ug/L			01/27/21 11:08	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/27/21 11:08	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Bromoform	ND		5.0	0.71	ug/L			01/27/21 11:08	1
Bromomethane	ND		1.0	0.98	ug/L			01/27/21 11:08	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/27/21 11:08	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Chloroethane	ND		1.0	0.76	ug/L			01/27/21 11:08	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/27/21 11:08	1
Chloroform	ND		1.0	0.60	ug/L			01/27/21 11:08	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/27/21 11:08	1
Chloromethane	ND		1.0	0.83	ug/L			01/27/21 11:08	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 11:08	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 11:08	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/27/21 11:08	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/27/21 11:08	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/27/21 11:08	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/27/21 11:08	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 11:08	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/27/21 11:08	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/27/21 11:08	1
2-Hexanone	ND		25	3.1	ug/L			01/27/21 11:08	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/27/21 11:08	1
Methylene bromide	ND		5.0	0.59	ug/L			01/27/21 11:08	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/27/21 11:08	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/27/21 11:08	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/27/21 11:08	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/27/21 11:08	1
Naphthalene	ND		1.0	1.0	ug/L			01/27/21 11:08	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/27/21 11:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/27/21 11:08	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/27/21 11:08	1
o-Xylene	ND		5.0	0.60	ug/L			01/27/21 11:08	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/27/21 11:08	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-518565/5
Matrix: Water
Analysis Batch: 518565

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/27/21 11:08	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/27/21 11:08	1
Styrene	ND		1.0	1.0	ug/L			01/27/21 11:08	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/27/21 11:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/27/21 11:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/27/21 11:08	1
Toluene	ND		1.0	0.41	ug/L			01/27/21 11:08	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/27/21 11:08	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/27/21 11:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/27/21 11:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/27/21 11:08	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/27/21 11:08	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/27/21 11:08	1
Trichloroethene	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/27/21 11:08	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/27/21 11:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/27/21 11:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/27/21 11:08	1
Vinyl acetate	ND		25	2.0	ug/L			01/27/21 11:08	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/27/21 11:08	1
Xylenes, Total	ND		10	1.6	ug/L			01/27/21 11:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*78 - 118*		*01/27/21 11:08*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/27/21 11:08*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*01/27/21 11:08*	*1*

Lab Sample ID: LCS 400-518565/1002
Matrix: Water
Analysis Batch: 518565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	172		ug/L		86	43 - 160
Acrolein	500	622		ug/L		124	38 - 160
Acrylonitrile	500	450		ug/L		90	64 - 142
Benzene	50.0	45.8		ug/L		92	70 - 130
Bromobenzene	50.0	52.8		ug/L		106	70 - 132
Bromochloromethane	50.0	47.0		ug/L		94	70 - 130
Bromodichloromethane	50.0	43.3		ug/L		87	67 - 133
Bromoform	50.0	48.7		ug/L		97	57 - 140
Bromomethane	50.0	48.9		ug/L		98	10 - 160
2-Butanone (MEK)	200	175		ug/L		87	61 - 145
Carbon disulfide	50.0	43.8		ug/L		88	61 - 137
Carbon tetrachloride	50.0	44.9		ug/L		90	61 - 137
Chlorobenzene	50.0	48.4		ug/L		97	70 - 130
Dibromochloromethane	50.0	45.4		ug/L		91	67 - 135
Chloroethane	50.0	53.5		ug/L		107	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-518565/1002
Matrix: Water
Analysis Batch: 518565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	50.0	29.0		ug/L		58	10 - 160
Chloroform	50.0	43.5		ug/L		87	69 - 130
1-Chlorohexane	50.0	50.4		ug/L		101	69 - 130
Chloromethane	50.0	47.9		ug/L		96	58 - 137
cis-1,2-Dichloroethene	50.0	46.5		ug/L		93	68 - 130
cis-1,3-Dichloropropene	50.0	47.0		ug/L		94	69 - 132
1,2-Dichlorobenzene	50.0	49.9		ug/L		100	67 - 130
1,3-Dichlorobenzene	50.0	53.5		ug/L		107	70 - 130
1,4-Dichlorobenzene	50.0	50.5		ug/L		101	70 - 130
Dichlorodifluoromethane	50.0	46.9		ug/L		94	41 - 146
1,1-Dichloroethane	50.0	45.5		ug/L		91	70 - 130
1,2-Dichloroethane	50.0	41.9		ug/L		84	69 - 130
1,1-Dichloroethene	50.0	42.4		ug/L		85	63 - 134
1,2-Dichloropropane	50.0	43.9		ug/L		88	70 - 130
1,3-Dichloropropane	50.0	44.4		ug/L		89	70 - 130
2,2-Dichloropropane	50.0	45.5		ug/L		91	52 - 135
1,1-Dichloropropene	50.0	47.1		ug/L		94	70 - 130
Ethylbenzene	50.0	51.1		ug/L		102	70 - 130
Ethyl methacrylate	50.0	47.3		ug/L		95	68 - 130
Hexachlorobutadiene	50.0	62.3		ug/L		125	53 - 140
2-Hexanone	200	181		ug/L		90	65 - 137
Isopropylbenzene	50.0	54.7		ug/L		109	70 - 130
Methylene bromide	50.0	44.3		ug/L		89	70 - 130
Methylene Chloride	50.0	44.8		ug/L		90	66 - 135
4-Methyl-2-pentanone (MIBK)	200	177		ug/L		88	69 - 138
Methyl tert-butyl ether	50.0	45.3		ug/L		91	66 - 130
m-Xylene & p-Xylene	50.0	51.6		ug/L		103	70 - 130
Naphthalene	50.0	52.2		ug/L		104	47 - 149
n-Butylbenzene	50.0	68.1	*+	ug/L		136	67 - 130
N-Propylbenzene	50.0	57.8		ug/L		116	70 - 130
o-Chlorotoluene	50.0	53.7		ug/L		107	70 - 130
o-Xylene	50.0	50.6		ug/L		101	70 - 130
p-Chlorotoluene	50.0	53.6		ug/L		107	70 - 130
p-Isopropyltoluene	50.0	65.7	*+	ug/L		131	65 - 130
sec-Butylbenzene	50.0	60.4		ug/L		121	66 - 130
Styrene	50.0	48.9		ug/L		98	70 - 130
tert-Butylbenzene	50.0	49.9		ug/L		100	64 - 139
1,1,1,2-Tetrachloroethane	50.0	46.2		ug/L		92	67 - 131
1,1,2,2-Tetrachloroethane	50.0	45.7		ug/L		91	70 - 131
Tetrachloroethene	50.0	48.3		ug/L		97	65 - 130
Toluene	50.0	47.8		ug/L		96	70 - 130
trans-1,2-Dichloroethene	50.0	44.9		ug/L		90	70 - 130
trans-1,3-Dichloropropene	50.0	46.7		ug/L		93	63 - 130
1,2,3-Trichlorobenzene	50.0	58.4		ug/L		117	60 - 138
1,2,4-Trichlorobenzene	50.0	60.5		ug/L		121	60 - 140
1,1,1-Trichloroethane	50.0	43.9		ug/L		88	68 - 130
1,1,2-Trichloroethane	50.0	44.5		ug/L		89	70 - 130
Trichloroethene	50.0	45.8		ug/L		92	70 - 130
Trichlorofluoromethane	50.0	45.2		ug/L		90	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-518565/1002
Matrix: Water
Analysis Batch: 518565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	50.0	45.7		ug/L		91	70 - 130
1,2,4-Trimethylbenzene	50.0	61.4		ug/L		123	70 - 130
1,3,5-Trimethylbenzene	50.0	56.6		ug/L		113	69 - 130
Vinyl acetate	100	98.6		ug/L		99	26 - 160
Vinyl chloride	50.0	53.6		ug/L		107	59 - 136
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*78 - 118*
Dibromofluoromethane	*99*		*81 - 121*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 400-198248-3 MS
Matrix: Water
Analysis Batch: 518565

Client Sample ID: MW2-ROX-011421
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	172		ug/L		86	43 - 150
Acrolein	ND		500	589		ug/L		118	38 - 150
Acrylonitrile	ND		500	541		ug/L		108	62 - 149
Benzene	2.8		50.0	46.8		ug/L		88	56 - 142
Bromobenzene	ND		50.0	44.4		ug/L		89	59 - 136
Bromochloromethane	ND		50.0	46.3		ug/L		93	64 - 140
Bromodichloromethane	ND		50.0	42.3		ug/L		85	59 - 143
Bromoform	ND		50.0	46.6		ug/L		93	50 - 140
Bromomethane	ND		50.0	49.7		ug/L		99	10 - 150
2-Butanone (MEK)	8.4	J	200	191		ug/L		91	55 - 150
Carbon disulfide	ND		50.0	44.8		ug/L		90	48 - 150
Carbon tetrachloride	ND		50.0	41.5		ug/L		83	55 - 145
Chlorobenzene	ND		50.0	43.1		ug/L		86	64 - 130
Dibromochloromethane	ND		50.0	45.9		ug/L		92	56 - 143
Chloroethane	ND		50.0	56.8		ug/L		114	50 - 150
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150
Chloroform	ND		50.0	45.0		ug/L		90	60 - 141
1-Chlorohexane	ND		50.0	44.4		ug/L		89	56 - 136
Chloromethane	ND		50.0	45.5		ug/L		91	49 - 148
cis-1,2-Dichloroethene	ND		50.0	45.8		ug/L		92	59 - 143
cis-1,3-Dichloropropene	ND		50.0	44.1		ug/L		88	57 - 140
1,2-Dichlorobenzene	ND		50.0	42.1		ug/L		84	52 - 137
1,3-Dichlorobenzene	ND		50.0	43.4		ug/L		87	54 - 135
1,4-Dichlorobenzene	ND		50.0	40.9		ug/L		82	53 - 135
Dichlorodifluoromethane	ND		50.0	44.9		ug/L		90	16 - 150
1,1-Dichloroethane	ND		50.0	47.2		ug/L		94	61 - 144
1,2-Dichloroethane	ND		50.0	42.1		ug/L		84	60 - 141
1,1-Dichloroethene	ND		50.0	44.0		ug/L		88	54 - 147
1,2-Dichloropropane	ND		50.0	43.9		ug/L		88	66 - 137
1,3-Dichloropropane	ND		50.0	46.0		ug/L		92	66 - 133
2,2-Dichloropropane	ND		50.0	42.7		ug/L		85	42 - 144

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198248-3 MS
Matrix: Water
Analysis Batch: 518565

Client Sample ID: MW2-ROX-011421
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	ND		50.0	45.2		ug/L		90	65 - 136
Ethylbenzene	120	F1	50.0	140	F1	ug/L		37	58 - 131
Ethyl methacrylate	ND		50.0	54.4		ug/L		109	64 - 130
Hexachlorobutadiene	ND		50.0	41.6		ug/L		83	31 - 149
2-Hexanone	ND		200	193		ug/L		97	65 - 140
Isopropylbenzene	66	F1	50.0	95.4		ug/L		60	56 - 133
Methylene bromide	ND		50.0	41.7		ug/L		83	63 - 138
Methylene Chloride	ND		50.0	52.6		ug/L		105	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	197		ug/L		98	63 - 146
Methyl tert-butyl ether	ND		50.0	47.9		ug/L		96	59 - 137
m-Xylene & p-Xylene	57	F1	50.0	86.7		ug/L		60	57 - 130
Naphthalene	20		50.0	74.9		ug/L		110	25 - 150
n-Butylbenzene	9.6	*+	50.0	54.0		ug/L		89	41 - 142
N-Propylbenzene	120	F1	50.0	134	F1	ug/L		22	51 - 138
o-Chlorotoluene	ND		50.0	49.0		ug/L		98	53 - 134
o-Xylene	6.2		50.0	49.4		ug/L		86	61 - 130
p-Chlorotoluene	ND		50.0	44.4		ug/L		89	54 - 133
p-Isopropyltoluene	9.5	*+	50.0	54.5		ug/L		90	48 - 139
sec-Butylbenzene	8.7		50.0	50.5		ug/L		84	50 - 138
Styrene	ND		50.0	42.8		ug/L		86	58 - 131
tert-Butylbenzene	0.94	J	50.0	47.1		ug/L		92	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	43.7		ug/L		87	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	46.1		ug/L		92	66 - 135
Tetrachloroethene	ND		50.0	40.1		ug/L		80	52 - 133
Toluene	8.3		50.0	52.4		ug/L		88	65 - 130
trans-1,2-Dichloroethene	ND		50.0	44.0		ug/L		88	61 - 143
trans-1,3-Dichloropropene	ND		50.0	45.7		ug/L		91	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	52.0		ug/L		104	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	52.7		ug/L		105	39 - 148
1,1,1-Trichloroethane	ND		50.0	42.7		ug/L		85	57 - 142
1,1,2-Trichloroethane	ND		50.0	47.4		ug/L		95	66 - 131
Trichloroethene	ND		50.0	42.3		ug/L		85	64 - 136
Trichlorofluoromethane	ND		50.0	47.1		ug/L		94	54 - 150
1,2,3-Trichloropropane	ND		50.0	46.5		ug/L		93	65 - 133
1,2,4-Trimethylbenzene	18		50.0	62.1		ug/L		87	50 - 139
1,3,5-Trimethylbenzene	48		50.0	80.1		ug/L		65	52 - 135
Vinyl acetate	ND		100	99.8		ug/L		100	26 - 150
Vinyl chloride	ND		50.0	52.7		ug/L		105	46 - 150
Xylenes, Total	63		100	136		ug/L		73	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*78 - 118*
Dibromofluoromethane	*99*		*81 - 121*
Toluene-d8 (Surr)	*105*		*80 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198248-3 MSD
Matrix: Water
Analysis Batch: 518565

Client Sample ID: MW2-ROX-011421
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		200	173		ug/L		86	43 - 150	0	30
Acrolein	ND		500	571		ug/L		114	38 - 150	3	31
Acrylonitrile	ND		500	558		ug/L		112	62 - 149	3	30
Benzene	2.8		50.0	46.5		ug/L		88	56 - 142	1	30
Bromobenzene	ND		50.0	43.2		ug/L		86	59 - 136	3	30
Bromochloromethane	ND		50.0	45.8		ug/L		92	64 - 140	1	30
Bromodichloromethane	ND		50.0	44.3		ug/L		89	59 - 143	5	30
Bromoform	ND		50.0	47.0		ug/L		94	50 - 140	1	30
Bromomethane	ND		50.0	48.1		ug/L		96	10 - 150	3	50
2-Butanone (MEK)	8.4	J	200	203		ug/L		97	55 - 150	6	30
Carbon disulfide	ND		50.0	45.1		ug/L		90	48 - 150	1	30
Carbon tetrachloride	ND		50.0	43.2		ug/L		86	55 - 145	4	30
Chlorobenzene	ND		50.0	42.1		ug/L		84	64 - 130	2	30
Dibromochloromethane	ND		50.0	46.2		ug/L		92	56 - 143	1	30
Chloroethane	ND		50.0	56.1		ug/L		112	50 - 150	1	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	45.2		ug/L		90	60 - 141	0	30
1-Chlorohexane	ND		50.0	46.6		ug/L		93	56 - 136	5	30
Chloromethane	ND		50.0	44.3		ug/L		89	49 - 148	3	31
cis-1,2-Dichloroethene	ND		50.0	46.4		ug/L		93	59 - 143	1	30
cis-1,3-Dichloropropene	ND		50.0	44.6		ug/L		89	57 - 140	1	30
1,2-Dichlorobenzene	ND		50.0	40.3		ug/L		81	52 - 137	5	30
1,3-Dichlorobenzene	ND		50.0	40.9		ug/L		82	54 - 135	6	30
1,4-Dichlorobenzene	ND		50.0	38.4		ug/L		77	53 - 135	6	30
Dichlorodifluoromethane	ND		50.0	42.2		ug/L		84	16 - 150	6	31
1,1-Dichloroethane	ND		50.0	46.9		ug/L		94	61 - 144	1	30
1,2-Dichloroethane	ND		50.0	42.6		ug/L		85	60 - 141	1	30
1,1-Dichloroethene	ND		50.0	44.0		ug/L		88	54 - 147	0	30
1,2-Dichloropropane	ND		50.0	43.3		ug/L		87	66 - 137	2	30
1,3-Dichloropropane	ND		50.0	46.7		ug/L		93	66 - 133	1	30
2,2-Dichloropropane	ND		50.0	43.6		ug/L		87	42 - 144	2	31
1,1-Dichloropropene	ND		50.0	44.6		ug/L		89	65 - 136	1	30
Ethylbenzene	120	F1	50.0	133	F1	ug/L		23	58 - 131	5	30
Ethyl methacrylate	ND		50.0	57.0		ug/L		114	64 - 130	5	30
Hexachlorobutadiene	ND		50.0	37.3		ug/L		75	31 - 149	11	36
2-Hexanone	ND		200	205		ug/L		103	65 - 140	6	30
Isopropylbenzene	66	F1	50.0	90.5	F1	ug/L		50	56 - 133	5	30
Methylene bromide	ND		50.0	41.8		ug/L		84	63 - 138	0	30
Methylene Chloride	ND		50.0	51.9		ug/L		104	60 - 146	1	32
4-Methyl-2-pentanone (MIBK)	ND		200	202		ug/L		101	63 - 146	2	30
Methyl tert-butyl ether	ND		50.0	48.3		ug/L		97	59 - 137	1	30
m-Xylene & p-Xylene	57	F1	50.0	83.1	F1	ug/L		53	57 - 130	4	30
Naphthalene	20		50.0	74.3		ug/L		109	25 - 150	1	30
n-Butylbenzene	9.6	*+	50.0	49.0		ug/L		79	41 - 142	10	31
N-Propylbenzene	120	F1	50.0	123	F1	ug/L		-1	51 - 138	9	30
o-Chlorotoluene	ND		50.0	45.6		ug/L		91	53 - 134	7	30
o-Xylene	6.2		50.0	48.8		ug/L		85	61 - 130	1	30
p-Chlorotoluene	ND		50.0	43.3		ug/L		87	54 - 133	2	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-198248-3 MSD
Matrix: Water
Analysis Batch: 518565

Client Sample ID: MW2-ROX-011421
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p-Isopropyltoluene	9.5	*+	50.0	50.5		ug/L		82	48 - 139	8	30
sec-Butylbenzene	8.7		50.0	47.1		ug/L		77	50 - 138	7	30
Styrene	ND		50.0	42.3		ug/L		85	58 - 131	1	30
tert-Butylbenzene	0.94	J	50.0	45.0		ug/L		88	54 - 146	5	30
1,1,1,2-Tetrachloroethane	ND		50.0	42.7		ug/L		85	59 - 137	2	30
1,1,2,2-Tetrachloroethane	ND		50.0	46.7		ug/L		93	66 - 135	1	30
Tetrachloroethene	ND		50.0	39.3		ug/L		79	52 - 133	2	30
Toluene	8.3		50.0	51.6		ug/L		87	65 - 130	2	30
trans-1,2-Dichloroethene	ND		50.0	43.8		ug/L		88	61 - 143	1	30
trans-1,3-Dichloropropene	ND		50.0	45.9		ug/L		92	53 - 133	0	30
1,2,3-Trichlorobenzene	ND		50.0	48.4		ug/L		97	43 - 145	7	30
1,2,4-Trichlorobenzene	ND		50.0	49.2		ug/L		98	39 - 148	7	30
1,1,1-Trichloroethane	ND		50.0	42.6		ug/L		85	57 - 142	0	30
1,1,2-Trichloroethane	ND		50.0	48.0		ug/L		96	66 - 131	1	30
Trichloroethene	ND		50.0	42.2		ug/L		84	64 - 136	0	30
Trichlorofluoromethane	ND		50.0	44.7		ug/L		89	54 - 150	5	30
1,2,3-Trichloropropane	ND		50.0	44.7		ug/L		89	65 - 133	4	30
1,2,4-Trimethylbenzene	18		50.0	58.6		ug/L		80	50 - 139	6	30
1,3,5-Trimethylbenzene	48		50.0	73.6		ug/L		52	52 - 135	9	30
Vinyl acetate	ND		100	95.6		ug/L		96	26 - 150	4	33
Vinyl chloride	ND		50.0	50.9		ug/L		102	46 - 150	4	30
Xylenes, Total	63		100	132		ug/L		69	59 - 130	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*78 - 118*
Dibromofluoromethane	*98*		*81 - 121*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: MB 400-518707/4
Matrix: Water
Analysis Batch: 518707

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.38	ug/L			01/28/21 08:26	1
Naphthalene	ND		1.0	1.0	ug/L			01/28/21 08:26	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/28/21 08:26	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/28/21 08:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*01/28/21 08:26*	*1*
Dibromofluoromethane	*107*		*81 - 121*		*01/28/21 08:26*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/28/21 08:26*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-518707/1002
Matrix: Water
Analysis Batch: 518707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	51.4		ug/L		103	70 - 130
Naphthalene	50.0	43.6		ug/L		87	47 - 149
n-Butylbenzene	50.0	51.3		ug/L		103	67 - 130
p-Isopropyltoluene	50.0	48.8		ug/L		98	65 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*78 - 118*
Dibromofluoromethane	*103*		*81 - 121*
Toluene-d8 (Surr)	*95*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-517731/1-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517731

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/18/21 13:41	01/20/21 16:55	1
Benzenethiol	ND		10	1.7	ug/L		01/18/21 13:41	01/20/21 16:55	1
Benzoic acid	ND		30	7.3	ug/L		01/18/21 13:41	01/20/21 16:55	1
Benzyl alcohol	ND		10	2.0	ug/L		01/18/21 13:41	01/20/21 16:55	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		01/18/21 13:41	01/20/21 16:55	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		01/18/21 13:41	01/20/21 16:55	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		01/18/21 13:41	01/20/21 16:55	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		01/18/21 13:41	01/20/21 16:55	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		01/18/21 13:41	01/20/21 16:55	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		01/18/21 13:41	01/20/21 16:55	1
4-Chloroaniline	ND		10	3.4	ug/L		01/18/21 13:41	01/20/21 16:55	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/18/21 13:41	01/20/21 16:55	1
2-Chloronaphthalene	ND		10	0.14	ug/L		01/18/21 13:41	01/20/21 16:55	1
2-Chlorophenol	ND		10	2.2	ug/L		01/18/21 13:41	01/20/21 16:55	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/18/21 13:41	01/20/21 16:55	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 16:55	1
Dibenzofuran	ND		10	0.17	ug/L		01/18/21 13:41	01/20/21 16:55	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/18/21 13:41	01/20/21 16:55	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/18/21 13:41	01/20/21 16:55	1
Diethyl phthalate	ND		10	0.24	ug/L		01/18/21 13:41	01/20/21 16:55	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/18/21 13:41	01/20/21 16:55	1
Dimethyl phthalate	ND		10	0.17	ug/L		01/18/21 13:41	01/20/21 16:55	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/18/21 13:41	01/20/21 16:55	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		01/18/21 13:41	01/20/21 16:55	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/18/21 13:41	01/20/21 16:55	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/18/21 13:41	01/20/21 16:55	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/18/21 13:41	01/20/21 16:55	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		01/18/21 13:41	01/20/21 16:55	1
1,4-Dioxane	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 16:55	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 16:55	1
Hexachlorobenzene	ND		10	0.17	ug/L		01/18/21 13:41	01/20/21 16:55	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517731/1-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517731

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/18/21 13:41	01/20/21 16:55	1
Hexachloroethane	ND		10	4.2	ug/L		01/18/21 13:41	01/20/21 16:55	1
Indene	ND		10	1.0	ug/L		01/18/21 13:41	01/20/21 16:55	1
Isophorone	ND		10	0.14	ug/L		01/18/21 13:41	01/20/21 16:55	1
2-Methylphenol	ND		10	1.8	ug/L		01/18/21 13:41	01/20/21 16:55	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		01/18/21 13:41	01/20/21 16:55	1
2-Nitroaniline	ND		10	2.2	ug/L		01/18/21 13:41	01/20/21 16:55	1
3-Nitroaniline	ND		10	1.8	ug/L		01/18/21 13:41	01/20/21 16:55	1
4-Nitroaniline	ND		10	1.5	ug/L		01/18/21 13:41	01/20/21 16:55	1
Nitrobenzene	ND		10	0.13	ug/L		01/18/21 13:41	01/20/21 16:55	1
2-Nitrophenol	ND		10	5.2	ug/L		01/18/21 13:41	01/20/21 16:55	1
4-Nitrophenol	ND		10	2.1	ug/L		01/18/21 13:41	01/20/21 16:55	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/18/21 13:41	01/20/21 16:55	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/18/21 13:41	01/20/21 16:55	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		01/18/21 13:41	01/20/21 16:55	1
Pentachlorophenol	ND		20	1.4	ug/L		01/18/21 13:41	01/20/21 16:55	1
Phenol	ND		10	2.6	ug/L		01/18/21 13:41	01/20/21 16:55	1
Pyridine	ND		10	3.2	ug/L		01/18/21 13:41	01/20/21 16:55	1
Quinoline	ND		10	4.5	ug/L		01/18/21 13:41	01/20/21 16:55	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/18/21 13:41	01/20/21 16:55	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/18/21 13:41	01/20/21 16:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*46 - 124*	*01/18/21 13:41*	*01/20/21 16:55*	*1*
2-Fluorophenol	*18*		*13 - 113*	*01/18/21 13:41*	*01/20/21 16:55*	*1*
Nitrobenzene-d5	*55*		*36 - 126*	*01/18/21 13:41*	*01/20/21 16:55*	*1*
Phenol-d5	*44*		*17 - 127*	*01/18/21 13:41*	*01/20/21 16:55*	*1*
Terphenyl-d14	*69*		*44 - 149*	*01/18/21 13:41*	*01/20/21 16:55*	*1*
2,4,6-Tribromophenol	*65*		*26 - 150*	*01/18/21 13:41*	*01/20/21 16:55*	*1*

Lab Sample ID: LCS 400-517731/2-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	67.1		ug/L		56	21 - 120
Benzoic acid	502	142		ug/L		28	10 - 144
Benzyl alcohol	120	63.6		ug/L		53	28 - 120
Bis(2-chloroethoxy)methane	120	62.3		ug/L		52	47 - 120
Bis(2-chloroethyl)ether	120	65.2		ug/L		54	44 - 120
bis (2-chloroisopropyl) ether	120	58.6		ug/L		49	33 - 121
Bis(2-ethylhexyl) phthalate	120	81.4		ug/L		68	52 - 147
4-Bromophenyl phenyl ether	120	70.8		ug/L		59	54 - 122
Butyl benzyl phthalate	120	75.4		ug/L		63	54 - 133
4-Chloroaniline	120	52.7		ug/L		44	26 - 120
4-Chloro-3-methylphenol	120	71.3		ug/L		59	48 - 131
2-Chloronaphthalene	120	69.9		ug/L		58	52 - 121
2-Chlorophenol	120	53.2		ug/L		44	40 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517731/2-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorophenyl phenyl ether	120	75.7		ug/L		63	56 - 125
Dibenz[a,h]acridine	120	69.7		ug/L		58	31 - 150
Dibenzofuran	120	74.9		ug/L		62	56 - 122
3,3'-Dichlorobenzidine	160	83.3		ug/L		52	36 - 132
2,4-Dichlorophenol	120	67.6		ug/L		56	49 - 120
Diethyl phthalate	120	80.7		ug/L		67	50 - 137
2,4-Dimethylphenol	120	69.7		ug/L		58	48 - 120
Dimethyl phthalate	120	72.7		ug/L		61	57 - 124
Di-n-butyl phthalate	120	86.6		ug/L		72	58 - 126
4,6-Dinitro-ortho-cresol	240	149		ug/L		62	23 - 148
2,4-Dinitrophenol	240	150		ug/L		62	10 - 150
2,4-Dinitrotoluene	120	77.1		ug/L		64	54 - 142
2,6-Dinitrotoluene	120	71.9		ug/L		60	55 - 130
Di-n-octyl phthalate	120	83.6		ug/L		70	57 - 138
1,4-Dioxane	120	47.9		ug/L		40	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	64.0		ug/L		53	45 - 124
Hexachlorobenzene	120	77.9		ug/L		65	52 - 129
Hexachlorocyclopentadiene	120	53.6		ug/L		45	10 - 134
Hexachloroethane	120	70.1		ug/L		58	20 - 120
Indene	120	63.2		ug/L		53	49 - 120
Isophorone	120	64.3		ug/L		54	48 - 120
2-Methylphenol	120	65.6		ug/L		55	46 - 124
3 & 4 Methylphenol	120	66.6		ug/L		56	45 - 120
2-Nitroaniline	120	62.5		ug/L		52	51 - 145
3-Nitroaniline	120	47.3		ug/L		39	37 - 127
4-Nitroaniline	120	68.3		ug/L		57	36 - 137
Nitrobenzene	120	59.7		ug/L		50	45 - 120
2-Nitrophenol	120	68.9		ug/L		57	40 - 124
4-Nitrophenol	240	136		ug/L		57	23 - 146
N-Nitrosodimethylamine	120	58.2		ug/L		49	29 - 137
N-Nitrosodi-n-propylamine	120	71.3		ug/L		59	45 - 120
N-Nitrosodiphenylamine	119	64.6		ug/L		54	54 - 120
Pentachlorophenol	240	139		ug/L		58	31 - 130
Phenol	120	54.6		ug/L		45	11 - 120
Pyridine	240	83.1		ug/L		35	16 - 120
Quinoline	120	71.1		ug/L		59	49 - 130
2,4,5-Trichlorophenol	120	71.5		ug/L		60	51 - 136
2,4,6-Trichlorophenol	120	72.3		ug/L		60	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*61*		*46 - 124*
2-Fluorophenol	*26*		*13 - 113*
Nitrobenzene-d5	*55*		*36 - 126*
Phenol-d5	*42*		*17 - 127*
Terphenyl-d14	*56*		*44 - 149*
2,4,6-Tribromophenol	*63*		*26 - 150*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517731/4-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	ND	*-	ug/L		0.8	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*49*		*46 - 124*
2-Fluorophenol	*21*		*13 - 113*
Nitrobenzene-d5	*43*		*36 - 126*
Phenol-d5	*37*		*17 - 127*
Terphenyl-d14	*49*		*44 - 149*
2,4,6-Tribromophenol	*22*	*S1-*	*26 - 150*

Lab Sample ID: LCSD 400-517731/3-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	120	68.5		ug/L		57	21 - 120	2	30
Benzoic acid	502	266	*1	ug/L		53	10 - 144	61	30
Benzyl alcohol	120	74.4		ug/L		62	28 - 120	16	30
Bis(2-chloroethoxy)methane	120	71.9		ug/L		60	47 - 120	14	30
Bis(2-chloroethyl)ether	120	92.7	*1	ug/L		77	44 - 120	35	30
bis (2-chloroisopropyl) ether	120	67.2		ug/L		56	33 - 121	14	30
Bis(2-ethylhexyl) phthalate	120	96.1		ug/L		80	52 - 147	17	30
4-Bromophenyl phenyl ether	120	82.0		ug/L		68	54 - 122	15	30
Butyl benzyl phthalate	120	91.2		ug/L		76	54 - 133	19	30
4-Chloroaniline	120	59.1		ug/L		49	26 - 120	11	30
4-Chloro-3-methylphenol	120	79.0		ug/L		66	48 - 131	10	30
2-Chloronaphthalene	120	84.8		ug/L		71	52 - 121	19	30
2-Chlorophenol	120	60.0		ug/L		50	40 - 120	12	30
4-Chlorophenyl phenyl ether	120	87.2		ug/L		73	56 - 125	14	30
Dibenz[a,h]acridine	120	72.6		ug/L		61	31 - 150	4	30
Dibenzofuran	120	87.2		ug/L		73	56 - 122	15	30
3,3'-Dichlorobenzidine	160	90.9		ug/L		57	36 - 132	9	30
2,4-Dichlorophenol	120	74.9		ug/L		62	49 - 120	10	30
Diethyl phthalate	120	92.7		ug/L		77	50 - 137	14	30
2,4-Dimethylphenol	120	80.3		ug/L		67	48 - 120	14	30
Dimethyl phthalate	120	84.2		ug/L		70	57 - 124	15	30
Di-n-butyl phthalate	120	101		ug/L		84	58 - 126	16	30
4,6-Dinitro-ortho-cresol	240	170		ug/L		71	23 - 148	13	30
2,4-Dinitrophenol	240	179		ug/L		74	10 - 150	17	30
2,4-Dinitrotoluene	120	89.0		ug/L		74	54 - 142	14	30
2,6-Dinitrotoluene	120	83.6		ug/L		70	55 - 130	15	30
Di-n-octyl phthalate	120	98.6		ug/L		82	57 - 138	16	30
1,4-Dioxane	120	55.1		ug/L		46	31 - 120	14	30
1,2-Diphenylhydrazine (as Azobenzene)	120	74.2		ug/L		62	45 - 124	15	30
Hexachlorobenzene	120	89.9		ug/L		75	52 - 129	14	30
Hexachlorocyclopentadiene	120	65.6		ug/L		55	10 - 134	20	30
Hexachloroethane	120	79.3		ug/L		66	20 - 120	12	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-517731/3-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Indene	120	72.6		ug/L		61	49 - 120	14	30
Isophorone	120	73.4		ug/L		61	48 - 120	13	30
2-Methylphenol	120	80.2		ug/L		67	46 - 124	20	30
3 & 4 Methylphenol	120	77.3		ug/L		64	45 - 120	15	30
2-Nitroaniline	120	72.4		ug/L		60	51 - 145	15	30
3-Nitroaniline	120	55.4		ug/L		46	37 - 127	16	30
4-Nitroaniline	120	81.4		ug/L		68	36 - 137	18	30
Nitrobenzene	120	69.1		ug/L		58	45 - 120	15	30
2-Nitrophenol	120	78.1		ug/L		65	40 - 124	12	30
4-Nitrophenol	240	143		ug/L		60	23 - 146	5	30
N-Nitrosodimethylamine	120	69.6		ug/L		58	29 - 137	18	30
N-Nitrosodi-n-propylamine	120	83.0		ug/L		69	45 - 120	15	30
N-Nitrosodiphenylamine	119	75.3		ug/L		63	54 - 120	15	30
Pentachlorophenol	240	165		ug/L		69	31 - 130	17	30
Phenol	120	61.9		ug/L		52	11 - 120	13	30
Pyridine	240	101		ug/L		42	16 - 120	19	30
Quinoline	120	47.6	*- *1	ug/L		40	49 - 130	40	30
2,4,5-Trichlorophenol	120	80.9		ug/L		67	51 - 136	12	30
2,4,6-Trichlorophenol	120	81.8		ug/L		68	50 - 127	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*46 - 124*
2-Fluorophenol	*27*		*13 - 113*
Nitrobenzene-d5	*62*		*36 - 126*
Phenol-d5	*46*		*17 - 127*
Terphenyl-d14	*66*		*44 - 149*
2,4,6-Tribromophenol	*69*		*26 - 150*

Lab Sample ID: LCSD 400-517731/5-A
Matrix: Water
Analysis Batch: 517996

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	4.49	J *- *1	ug/L		4	10 - 120	128	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*46 - 124*
2-Fluorophenol	*40*		*13 - 113*
Nitrobenzene-d5	*57*		*36 - 126*
Phenol-d5	*54*		*17 - 127*
Terphenyl-d14	*72*		*44 - 149*
2,4,6-Tribromophenol	*54*		*26 - 150*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-518330/1-A
Matrix: Water
Analysis Batch: 518676

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 518330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		01/25/21 08:51	01/27/21 18:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*46 - 124*	*01/25/21 08:51*	*01/27/21 18:01*	*1*
2-Fluorophenol	*43*		*13 - 113*	*01/25/21 08:51*	*01/27/21 18:01*	*1*
Nitrobenzene-d5	*85*		*36 - 126*	*01/25/21 08:51*	*01/27/21 18:01*	*1*
Phenol-d5	*73*		*17 - 127*	*01/25/21 08:51*	*01/27/21 18:01*	*1*
Terphenyl-d14	*97*		*44 - 149*	*01/25/21 08:51*	*01/27/21 18:01*	*1*
2,4,6-Tribromophenol	*81*		*26 - 150*	*01/25/21 08:51*	*01/27/21 18:01*	*1*

Lab Sample ID: LCS 400-518330/2-A
Matrix: Water
Analysis Batch: 518676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 518330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	120	120		ug/L		100	52 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*46 - 124*
2-Fluorophenol	*55*		*13 - 113*
Nitrobenzene-d5	*96*		*36 - 126*
Phenol-d5	*79*		*17 - 127*
Terphenyl-d14	*99*		*44 - 149*
2,4,6-Tribromophenol	*106*		*26 - 150*

Lab Sample ID: LCSD 400-518330/3-A
Matrix: Water
Analysis Batch: 518676

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 518330

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	120	129		ug/L		107	52 - 147	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*79*		*46 - 124*
2-Fluorophenol	*41*		*13 - 113*
Nitrobenzene-d5	*94*		*36 - 126*
Phenol-d5	*68*		*17 - 127*
Terphenyl-d14	*97*		*44 - 149*
2,4,6-Tribromophenol	*97*		*26 - 150*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-517731/1-A
Matrix: Water
Analysis Batch: 517959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517731

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		01/18/21 13:41	01/20/21 12:09	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 400-517731/1-A
Matrix: Water
Analysis Batch: 517959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517731

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.20	0.045	ug/L		01/18/21 13:41	01/20/21 12:09	1
Anthracene	0.0385	J	0.20	0.032	ug/L		01/18/21 13:41	01/20/21 12:09	1
Benzo[a]anthracene	0.150	J	0.20	0.046	ug/L		01/18/21 13:41	01/20/21 12:09	1
Benzo[a]pyrene	0.110	J	0.20	0.042	ug/L		01/18/21 13:41	01/20/21 12:09	1
Benzo[b]fluoranthene	0.0610	J	0.20	0.034	ug/L		01/18/21 13:41	01/20/21 12:09	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		01/18/21 13:41	01/20/21 12:09	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		01/18/21 13:41	01/20/21 12:09	1
Chrysene	ND		0.20	0.074	ug/L		01/18/21 13:41	01/20/21 12:09	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		01/18/21 13:41	01/20/21 12:09	1
Fluoranthene	0.0838	J	0.20	0.068	ug/L		01/18/21 13:41	01/20/21 12:09	1
Fluorene	ND		0.20	0.11	ug/L		01/18/21 13:41	01/20/21 12:09	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		01/18/21 13:41	01/20/21 12:09	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		01/18/21 13:41	01/20/21 12:09	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		01/18/21 13:41	01/20/21 12:09	1
Phenanthrene	ND		0.20	0.036	ug/L		01/18/21 13:41	01/20/21 12:09	1
Pyrene	0.0685	J	0.20	0.040	ug/L		01/18/21 13:41	01/20/21 12:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*15 - 122*	*01/18/21 13:41*	*01/20/21 12:09*	*1*
Nitrobenzene-d5	*69*		*19 - 130*	*01/18/21 13:41*	*01/20/21 12:09*	*1*
Terphenyl-d14	*76*		*33 - 138*	*01/18/21 13:41*	*01/20/21 12:09*	*1*

Lab Sample ID: LCS 400-517731/2-A
Matrix: Water
Analysis Batch: 517959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	93.9		ug/L		78	41 - 120
Acenaphthylene	120	98.2		ug/L		82	44 - 120
Anthracene	120	104		ug/L		87	49 - 120
Benzo[a]anthracene	120	97.0		ug/L		81	61 - 135
Benzo[a]pyrene	120	108		ug/L		90	52 - 120
Benzo[b]fluoranthene	120	115		ug/L		96	53 - 134
Benzo[g,h,i]perylene	120	115		ug/L		96	47 - 133
Benzo[k]fluoranthene	120	105		ug/L		88	57 - 134
Chrysene	120	96.9		ug/L		81	55 - 122
Dibenz(a,h)anthracene	120	119		ug/L		99	48 - 146
Fluoranthene	120	97.0		ug/L		81	54 - 128
Fluorene	120	96.3		ug/L		80	45 - 125
Indeno[1,2,3-cd]pyrene	120	111		ug/L		93	43 - 142
1-Methylnaphthalene	120	76.8		ug/L		64	41 - 120
2-Methylnaphthalene	120	76.0		ug/L		63	32 - 124
Phenanthrene	120	101		ug/L		85	48 - 120
Pyrene	120	105		ug/L		88	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*15 - 122*
Nitrobenzene-d5	*69*		*19 - 130*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-517731/2-A
Matrix: Water
Analysis Batch: 517959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517731

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	80		33 - 138

Lab Sample ID: LCSD 400-517731/3-A
Matrix: Water
Analysis Batch: 517959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517731

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	120	110		ug/L		92	41 - 120	16	56
Acenaphthylene	120	113		ug/L		95	44 - 120	14	56
Anthracene	120	121		ug/L		101	49 - 120	15	51
Benzo[a]anthracene	120	113		ug/L		94	61 - 135	15	49
Benzo[a]pyrene	120	127		ug/L		106	52 - 120	16	50
Benzo[b]fluoranthene	120	127		ug/L		106	53 - 134	10	54
Benzo[g,h,i]perylene	120	129		ug/L		107	47 - 133	11	50
Benzo[k]fluoranthene	120	125		ug/L		105	57 - 134	18	52
Chrysene	120	115		ug/L		95	55 - 122	17	50
Dibenz(a,h)anthracene	120	135		ug/L		112	48 - 146	12	50
Fluoranthene	120	113		ug/L		94	54 - 128	15	52
Fluorene	120	113		ug/L		94	45 - 125	16	56
Indeno[1,2,3-cd]pyrene	120	127		ug/L		106	43 - 142	13	51
1-Methylnaphthalene	120	86.5		ug/L		72	41 - 120	12	55
2-Methylnaphthalene	120	84.6		ug/L		70	32 - 124	11	57
Phenanthrene	120	118		ug/L		99	48 - 120	15	56
Pyrene	120	121		ug/L		101	48 - 132	14	52

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	87		15 - 122
Nitrobenzene-d5	63		19 - 130
Terphenyl-d14	88		33 - 138

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-518215/1-A
Matrix: Water
Analysis Batch: 518231

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 518215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/22/21 12:09	01/22/21 15:07	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/22/21 12:09	01/22/21 15:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		51 - 149	01/22/21 12:09	01/22/21 15:07	1

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCS 400-518215/2-A
Matrix: Water
Analysis Batch: 518231

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 518215

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane			0.101	0.122		ug/L		121	60 - 140
1,2-Dibromoethane			0.101	0.112		ug/L		111	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*51 - 149*

Lab Sample ID: LCSD 400-518215/3-A
Matrix: Water
Analysis Batch: 518231

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 518215

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.115		ug/L		114	60 - 140	6	30
1,2-Dibromoethane			0.101	0.109		ug/L		109	60 - 140	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*51 - 149*

LAB (LOCATION)

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))

☐ Other Lab Vendor # 1364589 (TestAmerica))

Shell Oil Products US Chain Of Custody Record

AECOM

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL

☐ CHEMICALS ☐ CONSULTANT ☐ LUBES

☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES

Print Bill To Contact Name:	PlaNet Site or Project ID
Bob Mooshegian	25278
PO #	GSAP Project ID
60648474 – 3.2.1F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES DATE: 1-14-21

PAGE: 1 of 2

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60648474 – 3.2.1F

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Elizabeth Kunkel, AECOM, St. Louis, MO; Melissa Remiger, Bob Billman, Wendy Pennington

PHONE NO.: 314-802-1171; 314-449-2913; 314-802-1122

E-MAIL: melissa.remiger@aecom.com, bob.billman@aecom.com, wendy.pennington@aecom.com

AECOM Other ID

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com

SAMPLER NAME(S) (Print): MD'Angelo JMayer

LAB USE ONLY

400-198248 COC

TURNAROUND TIME (CALENDAR DAYS):

☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) __EDD_____

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

* Please include "J" values on Reports
* Please provide sample receipt upon login

☑ SHELL CONTRACT RATE APPLIES

☐ STATE REIMBURSEMENT RATE APPLIES

☐ EDD NOT NEEDED

☑ RECEIPT VERIFICATION REQUESTED

☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS

NON-UNIT COST

60648474 – 3.2.1F

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL
	TB-ROX-011421-8260-A	1/14/21	0000	water	2					2	X			
	TB-ROX-011421-8011-A		0000		2					2			X	
	MW2-ROX-011421		0930		6			2		8	X	X	X	X
	ROST4PZC-ROX-011421		1045		6			2		8	X	X	X	X
	MW28-ROX-011421		1245		6			2		8	X	X	X	X

MD'Angelo 1/14/21

	Received by (Signature)	Date	Time
Relinquished by (Signature): MD'Angelo	Fedex: 9345 4056 8515 / 9345 4056 8504	1-14-21	1600
Relinquished by (Signature):	Received by (Signature):	1-15-21	0910
Relinquished by (Signature):	Received by (Signature): 2.7°C, 2.2°C IR-8	Date:	Time

CUSTODY SEALS - 1450601 / 1450600 1450599 / 1450598

Version: 14Dec15

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1/29/2021

Shell Oil Products US Chain Of Custody Record

AECOM

LAB (LOCATION)

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))

☐ Other Lab Vendor # 1364589 (TestAmerica))

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL

☐ CHEMICALS ☐ CONSULTANT ☐ LUBES

☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES_____

Print Bill To Contact Name:	PlaNet Site or Project ID
Bob Mooshegian	25278
PO #	**GSAP Project ID**
60648474 – 3.2.1F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES DATE: 1-14-21

PAGE: 2 of 2

SAMPLING COMPANY: AECOM

LOG CODE:

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA

State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60648474 – 3.2.1F

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

EDF DELIVERABLE TO (Name, Company, Office Location): Elizabeth Kunkel, AECOM, St. Louis, MO; Melissa Remiger, Bob Billman, Wendy Pennington

PHONE NO: 314-802-1171; 314-449-2913; 314-802-1122

E-MAIL: elizabeth.kunkel@aecom.com, melissa.remiger@aecom.com, bob.billman@aecom.com, wendy.pennington@aecom.com

AECOM Other ID

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington

TELEPHONE: 314-429-0100

FAX: 314-429-0462

Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com

SAMPLER NAME(S) (Print): BHowell AOliver

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):

☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C° Cooler #1 Cooler #2 Cooler #3

SPECIAL INSTRUCTIONS OR NOTES :

* Please include "J" values on Reports
* Please provide sample receipt upon login

☑ SHELL CONTRACT RATE APPLIES

☐ STATE REIMBURSEMENT RATE APPLIES

☐ EDD NOT NEEDED

☑ RECEIPT VERIFICATION REQUESTED

☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
NON-UNIT COST
60648474 – 3.2.1F

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL
	TB-ROX-011421-8260-B	1/14/21	0000	water	2					2	X			
	TB-ROX-011421-8011-B		0000		2					2			X	
	P93A-ROX-011421		0940		6			2		8	X	X	X	X
	P93B-ROX-011421		1040		6			2		8	X	X	X	X
	P93B-ROX-011421-Dup		1040		6			2		8	X	X	X	X

	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Fedex: SEE pg 1	1-14-21	1600
Relinquished by: (Signature)	Received by: (Signature)	1-15-21	0910
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

Version 14Dec15

CUSTODY SEALS - SEE pg 1

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1/29/2021

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-198248-1

Login Number: 198248
List Number: 1
Creator: Conrady, Hank W

List Source: Eurofins TestAmerica, Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7°C 2.2°C IR-8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198248-1

Laboratory: Eurofins TestAmerica, Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-21
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-02-21
California	State	2510	06-30-21
Florida	NELAP	E81010	06-30-21
Georgia	State	E81010(FL)	06-30-21
Illinois	NELAP	200041	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-21
Kentucky (UST)	State	53	06-30-21
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-21
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-21
Michigan	State	9912	06-30-21
New Jersey	NELAP	FL006	06-30-21
New York	NELAP	12115	04-01-21
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810-186	08-31-21
Pennsylvania	NELAP	68-00467	01-31-21
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026002	06-30-21
Tennessee	State	TN02907	06-30-21
Texas	NELAP	T104704286	09-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-21
Washington	State	C915	05-15-21
West Virginia DEP	State	136	06-30-21

Roxana Groundwater Quarterly – 1st Quarter 2021 Data Review

Laboratory SDG: 400-198340-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 2/15/2021

Guidance: USEPA National Functional Guidelines for Superfund Organic Methods Data Review 2017

Sample Identification	Sample Identification
TB-ROX-011821-8011	TB-ROX-011821-8260
MW4-ROX-011821-EB	MW4-ROX-011821
MW25-ROX-011821	MW25-ROX-011821-Dup
MW8-ROX-011821	MW7-ROX-011821
MW7-ROX-011821-Dup	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC as appropriate?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated bis(2-ethylhexyl) phthalate was re-extracted outside holding time criteria. bis(2-Ethylhexyl) phthalate was detected in the method blank and equipment blank MW4-ROX-011821-EB. VOC LCS and SVOC LCS/LCSD recoveries and/or SVOC LCS/LCSD RPDs for several analytes were outside evaluation criteria. Several SVOC surrogate recoveries were outside criteria in several samples. Field duplicate pair MW7-ROX-011821/MW7-ROX-011821-Dup and sample MW8-ROX-011821 were diluted to bring VOCs into calibration range of the instrument. These issues are addressed further in the appropriate sections of this data review.

Three of 69 (2-chloroethyl vinyl ether, acrolein, and acrylonitrile) 8260 VOCs are acid-reactive compounds; results may be biased low due to the presence of HCl in the preservative.

The cooler receipt form did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within applicable limits?

No, bis(2-ethylhexyl) phthalate was re-extracted 2 days outside extraction time criteria (7 days) for analysis confirmation. Professional judgement was used to qualify as estimated, however, not reject the out of holding time data. Holding time exceedances were not greater than two times (2X) criteria; data requiring qualification is summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW25-ROX-011821-Dup – RERA	SVOCs	bis(2-Ethylhexyl) phthalate	**UJ**
MW8-ROX-011821 – RERA	SVOCs	bis(2-Ethylhexyl) phthalate	**UJ**

Sample ID	Parameter	Analyte	Qualification
MW7-ROX-011821-Dup – RERA	SVOCs	bis(2-Ethylhexyl) phthalate	**UJ**

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration /Amount
MW4-ROX-011821-EB	SVOCs	bis(2-Ethylhexyl) phthalate	5.1 µg/L
MB 400-517999/1-A	SVOCs	bis(2-Ethylhexyl) phthalate	5.43 µg/L

Analytical data that were reported non-detect or at concentrations greater than five times (5X) the associated blank concentration did not require qualification. bis(2-Ethylhexyl) phthalate was reported from confirmation run #2 and is qualified in Section 3.0 of this data review due to holding time criteria; no further qualification of previously qualified SVOCs was required. No qualification of data was required.

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/ RPD Criteria
LCS 400-518724/1002	VOCs	n-Butylbenzene	**137**	NA	67-130
LCS 400-518873/1002	VOCs	n-Butylbenzene	**138**	NA	67-130
LCS/LCSD 400-517999/4-A/5-A	SVOCs	Benzenethiol	**0.6/0.09**	**146**	10-120/30

Analytical data that required qualification based on LCS/LCSD data are included in the table below. Analytical data reported as non-detect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Professional judgment was used to qualify, however not reject, data associated with benzenethiol; benzenethiol has been identified as a poor performing analyte under Method 8270.

Sample ID	Parameter	Analyte	Qualification
MW4-ROX-011821	SVOCs	Benzenethiol	**UJ**
MW25-ROX-011821	SVOCs	Benzenethiol	**UJ**
MW25-ROX-011821-Dup	SVOCs	Benzenethiol	**UJ**
MW8-ROX-011821	SVOCs	Benzenethiol	**UJ**
MW7-ROX-011821	SVOCs	Benzenethiol	**UJ**
MW7-ROX-011821-Dup	SVOCs	Benzenethiol	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW8-ROX-011821	SVOCs	Terphenyl-d_{14}	**34**	44-149
MW8-ROX-011821 – RERA	SVOCs	2,4,6-Tribromophenol	**175**	26-150
MW7-ROX-011821	SVOCs	Terphenyl-d_{14}	**31**	44-149
MW7-ROX-011821-Dup	SVOCs	2-Fluorobiphenyl	**45**	46-124
MW7-ROX-011821-Dup	SVOCs	Terphenyl-d_{14}	**27**	44-149
MW7-ROX-011821-Dup – RERA	SVOCs	2,4,6-Tribromophenol	**182**	26-150
MB 400-518677/1-A	SVOCs	2,4,6-Tribromophenol	**163**	26-150
MB 400-518677/2-A	SVOCs	2,4,6-Tribromophenol	**167**	26-150
MB 400-518677/3-A	SVOCs	2,4,6-Tribromophenol	**164**	26-150

Qualifications due to surrogate recoveries were not required if only one of three acid or base/neutral SVOC surrogate recoveries were outside evaluation criteria in the associated samples. Benzenethiol in sample MW7-ROX-011821-Dup was previously qualified in Section 5.0 of this data review due to LCS criteria. Method blanks are quality control samples and do not require qualification. No qualification of data was required.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples analyzed as part of this SDG?

No

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

Yes

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples analyzed as part of this SDG?

No

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
MW25-ROX-011821	MW25-ROX-011821-Dup
MW7-ROX-011821	MW7-ROX-011821-Dup

Were field duplicates within evaluation criteria?

Yes

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

Not applicable; analytes were detected in samples that were diluted.

12.0 Additional Qualifications

Were additional qualifications applied?

No

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-198340-1
Client Project/Site: ROXANA QUARTERLY GW

For:
AECOM Technical Services Inc.
100 N. Broadway
20th Floor
St. Louis, Missouri 63102

Attn: Elizabeth Kunkel

Authorized for release by:
2/2/2021 2:24:46 PM

Leah Klingensmith, Senior Project Manager
(615)301-5038
Leah.Klingensmith@Eurofinset.com

Reviewed 2/15/2021 LR

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 400-198340-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-198340-1

Comments
No additional comments.

Receipt
The samples were received on 1/19/2021 10:10 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0° C and 2.7° C.

GC/MS VOA
Method 8260B: The laboratory control sample (LCS) for analytical batch 400-518724 recovered outside control limits for the following analytes: n-Butylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-011821-8260 (400-198340-2), MW4-ROX-011821-EB (400-198340-3), MW4-ROX-011821 (400-198340-4), MW25-ROX-011821 (400-198340-5), MW25-ROX-011821-DUP (400-198340-6), MW8-ROX-011821 (400-198340-7), MW7-ROX-011821 (400-198340-8) and MW7-ROX-011821-DUP (400-198340-9). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and Acrylonitrile, which acid-labile compounds that degrades in an acidic medium.

Method 8260B: The laboratory control sample (LCS) for analytical batch 400-518873 recovered outside control limits for the following analytes: n-Butylbenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW8-ROX-011821 (400-198340-7), MW7-ROX-011821 (400-198340-8) and MW7-ROX-011821-DUP (400-198340-9). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-517999 and analytical batch 400-518361 recovered outside control limits for the following analyte(s): Benzenethiol. Benzenethiol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for these analyte(s). These results have been reported and qualified.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-517999 and analytical batch 400-518361 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The method blank for preparation batch 400-517999 and analytical batch 400-518361 contained Bis(2-ethylhexyl) phthalate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-518361 recovered above the upper control limit for 4-Nitrophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW8-ROX-011821 (400-198340-7), MW7-ROX-011821 (400-198340-8), MW7-ROX-011821-DUP (400-198340-9), (LCS 400-518677/2-A), (LCSD 400-518677/3-A) and (MB 400-518677/1-A). These results have been reported and qualified.

Method 8270D: Samples MW25-ROX-011821-DUP (400-198340-6), MW8-ROX-011821 (400-198340-7) and MW7-ROX-011821-DUP (400-198340-9) were re-extracted and re-analyzed to confirm a detection of Bis(2-ethylhexyl) phthalate. The associated sample(s) was

Job ID: 400-198340-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8011: The continuing calibration verification (CCV) associated with batch 400-518231 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8011: The continuing calibration verification (CCV) associated with batch 400-518231 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane and 1,2-Dibromoethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8011: The continuing calibration verification (CCV) associated with batch 400-518826 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-198340-1	TB-ROX-011821-8011	Water	01/18/21 00:00	01/19/21 10:10	
400-198340-2	TB-ROX-011821-8260	Water	01/18/21 00:00	01/19/21 10:10	
400-198340-3	MW4-ROX-011821-EB	Water	01/18/21 08:30	01/19/21 10:10	
400-198340-4	MW4-ROX-011821	Water	01/18/21 09:50	01/19/21 10:10	
400-198340-5	MW25-ROX-011821	Water	01/18/21 10:35	01/19/21 10:10	
400-198340-6	MW25-ROX-011821-DUP	Water	01/18/21 10:35	01/19/21 10:10	
400-198340-7	MW8-ROX-011821	Water	01/18/21 11:50	01/19/21 10:10	
400-198340-8	MW7-ROX-011821	Water	01/18/21 12:55	01/19/21 10:10	
400-198340-9	MW7-ROX-011821-DUP	Water	01/18/21 12:55	01/19/21 10:10	

Client Sample ID: TB-ROX-011821-8011 — Lab Sample ID: 400-198340-1

No Detections.

Client Sample ID: TB-ROX-011821-8260 — Lab Sample ID: 400-198340-2

No Detections.

Client Sample ID: MW4-ROX-011821-EB — Lab Sample ID: 400-198340-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	5.1	J B	9.4	4.7	ug/L	1		8270D	Total/NA

Client Sample ID: MW4-ROX-011821 — Lab Sample ID: 400-198340-4

No Detections.

Client Sample ID: MW25-ROX-011821 — Lab Sample ID: 400-198340-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	44		1.0	0.38	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	5.0	J	25	2.6	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	4.0		1.0	0.74	ug/L	1		8260B	Total/NA

Client Sample ID: MW25-ROX-011821-DUP — Lab Sample ID: 400-198340-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	35		1.0	0.38	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	2.6	J	25	2.6	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	3.7		1.0	0.74	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	8.6	J B	9.6	4.8	ug/L	1		8270D	Total/NA

Client Sample ID: MW8-ROX-011821 — Lab Sample ID: 400-198340-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	29000		100	38	ug/L	100		8260B	Total/NA
Ethylbenzene	56	J	100	50	ug/L	100		8260B	Total/NA
1-Methylnaphthalene	5.1		0.75	0.28	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.41	J	0.75	0.23	ug/L	1		8270D LL	Total/NA
Bis(2-ethylhexyl) phthalate	7.7	J B	9.4	4.7	ug/L	1		8270D	Total/NA
Phenol	120		9.4	2.5	ug/L	1		8270D	Total/NA

Client Sample ID: MW7-ROX-011821 — Lab Sample ID: 400-198340-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2000000		10000	3800	ug/L	10000		8260B	Total/NA
1-Methylnaphthalene	1.0		0.76	0.28	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	1.5		0.76	0.23	ug/L	1		8270D LL	Total/NA
3 & 4 Methylphenol	0.65	J	19	0.37	ug/L	1		8270D	Total/NA
Phenol	84		9.5	2.5	ug/L	1		8270D	Total/NA

Client Sample ID: MW7-ROX-011821-DUP — Lab Sample ID: 400-198340-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2200000		10000	3800	ug/L	10000		8260B	Total/NA
1-Methylnaphthalene	1.2		0.75	0.28	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	1.8		0.75	0.22	ug/L	1		8270D LL	Total/NA
Bis(2-ethylhexyl) phthalate	16	B	9.3	4.7	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	0.73	J	19	0.36	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW7-ROX-011821-DUP (Continued) **Lab Sample ID: 400-198340-9**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenol	70		9.3	2.4	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Client Sample ID: TB-ROX-011821-8011
Date Collected: 01/18/21 00:00
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-1
Matrix: Water

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/22/21 12:09	01/22/21 23:00	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/22/21 12:09	01/22/21 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 23:00*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Client Sample ID: TB-ROX-011821-8260
Date Collected: 01/18/21 00:00
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/29/21 11:10	1
Acrolein	ND		20	10	ug/L			01/29/21 11:10	1
Acrylonitrile	ND		10	2.8	ug/L			01/29/21 11:10	1
Benzene	ND		1.0	0.38	ug/L			01/29/21 11:10	1
Bromobenzene	ND		1.0	0.54	ug/L			01/29/21 11:10	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/29/21 11:10	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/29/21 11:10	1
Bromoform	ND		5.0	0.71	ug/L			01/29/21 11:10	1
Bromomethane	ND		1.0	0.98	ug/L			01/29/21 11:10	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/29/21 11:10	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/29/21 11:10	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/29/21 11:10	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/29/21 11:10	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/29/21 11:10	1
Chloroethane	ND		1.0	0.76	ug/L			01/29/21 11:10	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/29/21 11:10	1
Chloroform	ND		1.0	0.60	ug/L			01/29/21 11:10	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/29/21 11:10	1
Chloromethane	ND		1.0	0.83	ug/L			01/29/21 11:10	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/29/21 11:10	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/29/21 11:10	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/29/21 11:10	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/29/21 11:10	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/29/21 11:10	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/29/21 11:10	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/29/21 11:10	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/29/21 11:10	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/29/21 11:10	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/29/21 11:10	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/29/21 11:10	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/29/21 11:10	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/29/21 11:10	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/29/21 11:10	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/29/21 11:10	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/29/21 11:10	1
2-Hexanone	ND		25	3.1	ug/L			01/29/21 11:10	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/29/21 11:10	1
Methylene bromide	ND		5.0	0.59	ug/L			01/29/21 11:10	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/29/21 11:10	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/29/21 11:10	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/29/21 11:10	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/29/21 11:10	1
Naphthalene	ND		1.0	1.0	ug/L			01/29/21 11:10	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/29/21 11:10	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/29/21 11:10	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/29/21 11:10	1
o-Xylene	ND		5.0	0.60	ug/L			01/29/21 11:10	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/29/21 11:10	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/29/21 11:10	1

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Client Sample ID: TB-ROX-011821-8260
Date Collected: 01/18/21 00:00
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/29/21 11:10	1
Styrene	ND		1.0	1.0	ug/L			01/29/21 11:10	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/29/21 11:10	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/29/21 11:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/29/21 11:10	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/29/21 11:10	1
Toluene	ND		1.0	0.41	ug/L			01/29/21 11:10	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/29/21 11:10	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/29/21 11:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/29/21 11:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/29/21 11:10	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/29/21 11:10	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/29/21 11:10	1
Trichloroethene	ND		1.0	0.50	ug/L			01/29/21 11:10	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/29/21 11:10	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/29/21 11:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/29/21 11:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/29/21 11:10	1
Vinyl acetate	ND		25	2.0	ug/L			01/29/21 11:10	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/29/21 11:10	1
Xylenes, Total	ND		10	1.6	ug/L			01/29/21 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*01/29/21 11:10*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*01/29/21 11:10*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/29/21 11:10*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Client Sample ID: MW4-ROX-011821-EB
Date Collected: 01/18/21 08:30
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/28/21 23:30	1
Acrolein	ND		20	10	ug/L			01/28/21 23:30	1
Acrylonitrile	ND		10	2.8	ug/L			01/28/21 23:30	1
Benzene	ND		1.0	0.38	ug/L			01/28/21 23:30	1
Bromobenzene	ND		1.0	0.54	ug/L			01/28/21 23:30	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/28/21 23:30	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/28/21 23:30	1
Bromoform	ND		5.0	0.71	ug/L			01/28/21 23:30	1
Bromomethane	ND		1.0	0.98	ug/L			01/28/21 23:30	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/28/21 23:30	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/28/21 23:30	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/28/21 23:30	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/28/21 23:30	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/28/21 23:30	1
Chloroethane	ND		1.0	0.76	ug/L			01/28/21 23:30	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/28/21 23:30	1
Chloroform	ND		1.0	0.60	ug/L			01/28/21 23:30	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/28/21 23:30	1
Chloromethane	ND		1.0	0.83	ug/L			01/28/21 23:30	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/28/21 23:30	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/28/21 23:30	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/28/21 23:30	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/28/21 23:30	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/28/21 23:30	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/28/21 23:30	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/28/21 23:30	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/28/21 23:30	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/28/21 23:30	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/28/21 23:30	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/28/21 23:30	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/28/21 23:30	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/28/21 23:30	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/28/21 23:30	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/28/21 23:30	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/28/21 23:30	1
2-Hexanone	ND		25	3.1	ug/L			01/28/21 23:30	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/28/21 23:30	1
Methylene bromide	ND		5.0	0.59	ug/L			01/28/21 23:30	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/28/21 23:30	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/28/21 23:30	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/28/21 23:30	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/28/21 23:30	1
Naphthalene	ND		1.0	1.0	ug/L			01/28/21 23:30	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/28/21 23:30	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/28/21 23:30	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/28/21 23:30	1
o-Xylene	ND		5.0	0.60	ug/L			01/28/21 23:30	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/28/21 23:30	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/28/21 23:30	1

Client Sample ID: MW4-ROX-011821-EB
Date Collected: 01/18/21 08:30
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/28/21 23:30	1
Styrene	ND		1.0	1.0	ug/L			01/28/21 23:30	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/28/21 23:30	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/28/21 23:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/28/21 23:30	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/28/21 23:30	1
Toluene	ND		1.0	0.41	ug/L			01/28/21 23:30	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/28/21 23:30	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/28/21 23:30	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/28/21 23:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/28/21 23:30	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/28/21 23:30	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/28/21 23:30	1
Trichloroethene	ND		1.0	0.50	ug/L			01/28/21 23:30	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/28/21 23:30	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/28/21 23:30	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/28/21 23:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/28/21 23:30	1
Vinyl acetate	ND		25	2.0	ug/L			01/28/21 23:30	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/28/21 23:30	1
Xylenes, Total	ND		10	1.6	ug/L			01/28/21 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/28/21 23:30*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*01/28/21 23:30*	*1*
Toluene-d8 (Surr)	*109*		*80 - 120*		*01/28/21 23:30*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.75	0.12	ug/L		01/20/21 14:09	01/25/21 15:56	1
Acenaphthylene	ND		0.75	0.17	ug/L		01/20/21 14:09	01/25/21 15:56	1
Anthracene	ND		0.75	0.12	ug/L		01/20/21 14:09	01/25/21 15:56	1
Benzo[a]anthracene	ND		0.75	0.17	ug/L		01/20/21 14:09	01/25/21 15:56	1
Benzo[a]pyrene	ND		0.75	0.16	ug/L		01/20/21 14:09	01/25/21 15:56	1
Benzo[b]fluoranthene	ND		0.75	0.26	ug/L		01/20/21 14:09	01/25/21 15:56	1
Benzo[g,h,i]perylene	ND		0.75	0.49	ug/L		01/20/21 14:09	01/25/21 15:56	1
Benzo[k]fluoranthene	ND		0.75	0.38	ug/L		01/20/21 14:09	01/25/21 15:56	1
Chrysene	ND		0.75	0.28	ug/L		01/20/21 14:09	01/25/21 15:56	1
Dibenz(a,h)anthracene	ND		0.75	0.17	ug/L		01/20/21 14:09	01/25/21 15:56	1
Fluoranthene	ND		0.75	0.26	ug/L		01/20/21 14:09	01/25/21 15:56	1
Fluorene	ND		0.75	0.41	ug/L		01/20/21 14:09	01/25/21 15:56	1
Indeno[1,2,3-cd]pyrene	ND		0.75	0.45	ug/L		01/20/21 14:09	01/25/21 15:56	1
Phenanthrene	ND		0.75	0.14	ug/L		01/20/21 14:09	01/25/21 15:56	1
Pyrene	ND		0.75	0.15	ug/L		01/20/21 14:09	01/25/21 15:56	1
1-Methylnaphthalene	ND		0.75	0.28	ug/L		01/20/21 14:09	01/25/21 15:56	1
2-Methylnaphthalene	ND		0.75	0.23	ug/L		01/20/21 14:09	01/25/21 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*76*		*33 - 138*	*01/20/21 14:09*	*01/25/21 15:56*	*1*
2-Fluorobiphenyl	*62*		*15 - 122*	*01/20/21 14:09*	*01/25/21 15:56*	*1*

Client Sample ID: MW4-ROX-011821-EB
Date Collected: 01/18/21 08:30
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*64*		*19 - 130*	*01/20/21 14:09*	*01/25/21 15:56*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.4	3.6	ug/L		01/20/21 14:09	01/25/21 17:48	1
Benzenethiol	ND	*- *1	9.4	1.6	ug/L		01/20/21 14:09	01/27/21 16:14	1
Benzoic acid	ND		28	6.9	ug/L		01/20/21 14:09	01/25/21 17:48	1
Benzyl alcohol	ND		9.4	1.9	ug/L		01/20/21 14:09	01/25/21 17:48	1
Bis(2-chloroethoxy)methane	ND		9.4	0.15	ug/L		01/20/21 14:09	01/25/21 17:48	1
Bis(2-chloroethyl)ether	ND		9.4	2.5	ug/L		01/20/21 14:09	01/25/21 17:48	1
bis (2-chloroisopropyl) ether	ND		9.4	0.15	ug/L		01/20/21 14:09	01/25/21 17:48	1
Bis(2-ethylhexyl) phthalate	5.1	J B	9.4	4.7	ug/L		01/20/21 14:09	01/25/21 17:48	1
4-Bromophenyl phenyl ether	ND		9.4	0.19	ug/L		01/20/21 14:09	01/25/21 17:48	1
Butyl benzyl phthalate	ND		9.4	0.18	ug/L		01/20/21 14:09	01/25/21 17:48	1
4-Chloroaniline	ND		9.4	3.2	ug/L		01/20/21 14:09	01/25/21 17:48	1
4-Chloro-3-methylphenol	ND		9.4	3.6	ug/L		01/20/21 14:09	01/25/21 17:48	1
2-Chloronaphthalene	ND		9.4	0.13	ug/L		01/20/21 14:09	01/25/21 17:48	1
2-Chlorophenol	ND		9.4	2.1	ug/L		01/20/21 14:09	01/25/21 17:48	1
4-Chlorophenyl phenyl ether	ND		9.4	1.9	ug/L		01/20/21 14:09	01/25/21 17:48	1
Dibenz[a,h]acridine	ND		9.4	0.94	ug/L		01/20/21 14:09	01/25/21 17:48	1
Dibenzofuran	ND		9.4	0.16	ug/L		01/20/21 14:09	01/25/21 17:48	1
3,3'-Dichlorobenzidine	ND		9.4	2.4	ug/L		01/20/21 14:09	01/25/21 17:48	1
2,4-Dichlorophenol	ND		9.4	2.8	ug/L		01/20/21 14:09	01/25/21 17:48	1
Diethyl phthalate	ND		9.4	0.23	ug/L		01/20/21 14:09	01/25/21 17:48	1
2,4-Dimethylphenol	ND		9.4	3.3	ug/L		01/20/21 14:09	01/25/21 17:48	1
Dimethyl phthalate	ND		9.4	0.16	ug/L		01/20/21 14:09	01/25/21 17:48	1
Di-n-butyl phthalate	ND		9.4	2.5	ug/L		01/20/21 14:09	01/25/21 17:48	1
4,6-Dinitro-ortho-cresol	ND		9.4	1.5	ug/L		01/20/21 14:09	01/25/21 17:48	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		01/20/21 14:09	01/25/21 17:48	1
2,4-Dinitrotoluene	ND		9.4	1.8	ug/L		01/20/21 14:09	01/25/21 17:48	1
2,6-Dinitrotoluene	ND		9.4	1.8	ug/L		01/20/21 14:09	01/25/21 17:48	1
Di-n-octyl phthalate	ND		9.4	0.16	ug/L		01/20/21 14:09	01/25/21 17:48	1
1,4-Dioxane	ND		9.4	0.94	ug/L		01/20/21 14:09	01/25/21 17:48	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.4	0.94	ug/L		01/20/21 14:09	01/25/21 17:48	1
Hexachlorobenzene	ND		9.4	0.16	ug/L		01/20/21 14:09	01/25/21 17:48	1
Hexachlorocyclopentadiene	ND		19	2.4	ug/L		01/20/21 14:09	01/25/21 17:48	1
Hexachloroethane	ND		9.4	3.9	ug/L		01/20/21 14:09	01/25/21 17:48	1
Indene	ND		9.4	0.94	ug/L		01/20/21 14:09	01/25/21 17:48	1
Isophorone	ND		9.4	0.13	ug/L		01/20/21 14:09	01/25/21 17:48	1
2-Methylphenol	ND		9.4	1.7	ug/L		01/20/21 14:09	01/25/21 17:48	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/20/21 14:09	01/25/21 17:48	1
2-Nitroaniline	ND		9.4	2.1	ug/L		01/20/21 14:09	01/25/21 17:48	1
3-Nitroaniline	ND		9.4	1.7	ug/L		01/20/21 14:09	01/25/21 17:48	1
4-Nitroaniline	ND		9.4	1.4	ug/L		01/20/21 14:09	01/25/21 17:48	1
Nitrobenzene	ND		9.4	0.12	ug/L		01/20/21 14:09	01/25/21 17:48	1
2-Nitrophenol	ND		9.4	4.9	ug/L		01/20/21 14:09	01/25/21 17:48	1
4-Nitrophenol	ND		9.4	2.0	ug/L		01/20/21 14:09	01/25/21 17:48	1
N-Nitrosodimethylamine	ND		9.4	3.3	ug/L		01/20/21 14:09	01/25/21 17:48	1

Client Sample ID: MW4-ROX-011821-EB
Date Collected: 01/18/21 08:30
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.4	3.1	ug/L		01/20/21 14:09	01/25/21 17:48	1
N-Nitrosodiphenylamine	ND		9.4	0.17	ug/L		01/20/21 14:09	01/25/21 17:48	1
Pentachlorophenol	ND		19	1.3	ug/L		01/20/21 14:09	01/25/21 17:48	1
Phenol	ND		9.4	2.4	ug/L		01/20/21 14:09	01/25/21 17:48	1
Pyridine	ND		9.4	3.0	ug/L		01/20/21 14:09	01/25/21 17:48	1
Quinoline	ND		9.4	4.2	ug/L		01/20/21 14:09	01/25/21 17:48	1
2,4,5-Trichlorophenol	ND		9.4	3.5	ug/L		01/20/21 14:09	01/25/21 17:48	1
2,4,6-Trichlorophenol	ND		9.4	3.3	ug/L		01/20/21 14:09	01/25/21 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*51*		*46 - 124*	*01/20/21 14:09*	*01/27/21 16:14*	*1*
2-Fluorophenol	*20*		*13 - 113*	*01/20/21 14:09*	*01/27/21 16:14*	*1*
Nitrobenzene-d5	*65*		*36 - 126*	*01/20/21 14:09*	*01/27/21 16:14*	*1*
Phenol-d5	*50*		*17 - 127*	*01/20/21 14:09*	*01/27/21 16:14*	*1*
Terphenyl-d14	*57*		*44 - 149*	*01/20/21 14:09*	*01/27/21 16:14*	*1*
2,4,6-Tribromophenol	*44*		*26 - 150*	*01/20/21 14:09*	*01/27/21 16:14*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0056	ug/L		01/22/21 12:09	01/22/21 22:01	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/22/21 12:09	01/22/21 22:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 22:01*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Client Sample ID: MW4-ROX-011821
Date Collected: 01/18/21 09:50
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/28/21 23:57	1
Acrolein	ND		20	10	ug/L			01/28/21 23:57	1
Acrylonitrile	ND		10	2.8	ug/L			01/28/21 23:57	1
Benzene	ND		1.0	0.38	ug/L			01/28/21 23:57	1
Bromobenzene	ND		1.0	0.54	ug/L			01/28/21 23:57	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/28/21 23:57	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/28/21 23:57	1
Bromoform	ND		5.0	0.71	ug/L			01/28/21 23:57	1
Bromomethane	ND		1.0	0.98	ug/L			01/28/21 23:57	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/28/21 23:57	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/28/21 23:57	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/28/21 23:57	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/28/21 23:57	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/28/21 23:57	1
Chloroethane	ND		1.0	0.76	ug/L			01/28/21 23:57	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/28/21 23:57	1
Chloroform	ND		1.0	0.60	ug/L			01/28/21 23:57	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/28/21 23:57	1
Chloromethane	ND		1.0	0.83	ug/L			01/28/21 23:57	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/28/21 23:57	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/28/21 23:57	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/28/21 23:57	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/28/21 23:57	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/28/21 23:57	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/28/21 23:57	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/28/21 23:57	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/28/21 23:57	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/28/21 23:57	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/28/21 23:57	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/28/21 23:57	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/28/21 23:57	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/28/21 23:57	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/28/21 23:57	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/28/21 23:57	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/28/21 23:57	1
2-Hexanone	ND		25	3.1	ug/L			01/28/21 23:57	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/28/21 23:57	1
Methylene bromide	ND		5.0	0.59	ug/L			01/28/21 23:57	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/28/21 23:57	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/28/21 23:57	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/28/21 23:57	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/28/21 23:57	1
Naphthalene	ND		1.0	1.0	ug/L			01/28/21 23:57	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/28/21 23:57	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/28/21 23:57	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/28/21 23:57	1
o-Xylene	ND		5.0	0.60	ug/L			01/28/21 23:57	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/28/21 23:57	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/28/21 23:57	1

Client Sample ID: MW4-ROX-011821
Date Collected: 01/18/21 09:50
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/28/21 23:57	1
Styrene	ND		1.0	1.0	ug/L			01/28/21 23:57	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/28/21 23:57	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/28/21 23:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/28/21 23:57	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/28/21 23:57	1
Toluene	ND		1.0	0.41	ug/L			01/28/21 23:57	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/28/21 23:57	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/28/21 23:57	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/28/21 23:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/28/21 23:57	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/28/21 23:57	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/28/21 23:57	1
Trichloroethene	ND		1.0	0.50	ug/L			01/28/21 23:57	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/28/21 23:57	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/28/21 23:57	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/28/21 23:57	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/28/21 23:57	1
Vinyl acetate	ND		25	2.0	ug/L			01/28/21 23:57	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/28/21 23:57	1
Xylenes, Total	ND		10	1.6	ug/L			01/28/21 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*01/28/21 23:57*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*01/28/21 23:57*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/28/21 23:57*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.76	0.12	ug/L		01/20/21 14:09	01/25/21 16:12	1
Acenaphthylene	ND		0.76	0.17	ug/L		01/20/21 14:09	01/25/21 16:12	1
Anthracene	ND		0.76	0.12	ug/L		01/20/21 14:09	01/25/21 16:12	1
Benzo[a]anthracene	ND		0.76	0.17	ug/L		01/20/21 14:09	01/25/21 16:12	1
Benzo[a]pyrene	ND		0.76	0.16	ug/L		01/20/21 14:09	01/25/21 16:12	1
Benzo[b]fluoranthene	ND		0.76	0.26	ug/L		01/20/21 14:09	01/25/21 16:12	1
Benzo[g,h,i]perylene	ND		0.76	0.49	ug/L		01/20/21 14:09	01/25/21 16:12	1
Benzo[k]fluoranthene	ND		0.76	0.38	ug/L		01/20/21 14:09	01/25/21 16:12	1
Chrysene	ND		0.76	0.28	ug/L		01/20/21 14:09	01/25/21 16:12	1
Dibenz(a,h)anthracene	ND		0.76	0.17	ug/L		01/20/21 14:09	01/25/21 16:12	1
Fluoranthene	ND		0.76	0.26	ug/L		01/20/21 14:09	01/25/21 16:12	1
Fluorene	ND		0.76	0.42	ug/L		01/20/21 14:09	01/25/21 16:12	1
Indeno[1,2,3-cd]pyrene	ND		0.76	0.45	ug/L		01/20/21 14:09	01/25/21 16:12	1
Phenanthrene	ND		0.76	0.14	ug/L		01/20/21 14:09	01/25/21 16:12	1
Pyrene	ND		0.76	0.15	ug/L		01/20/21 14:09	01/25/21 16:12	1
1-Methylnaphthalene	ND		0.76	0.28	ug/L		01/20/21 14:09	01/25/21 16:12	1
2-Methylnaphthalene	ND		0.76	0.23	ug/L		01/20/21 14:09	01/25/21 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*70*		*33 - 138*	*01/20/21 14:09*	*01/25/21 16:12*	*1*
2-Fluorobiphenyl	*65*		*15 - 122*	*01/20/21 14:09*	*01/25/21 16:12*	*1*

Client Sample ID: MW4-ROX-011821
Date Collected: 01/18/21 09:50
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-4
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		19 - 130	01/20/21 14:09	01/25/21 16:12	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.5	3.6	ug/L		01/20/21 14:09	01/25/21 18:09	1
Benzenethiol	ND	*-*1	9.5	1.6	ug/L		01/20/21 14:09	01/27/21 16:35	1
Benzoic acid	ND		28	6.9	ug/L		01/20/21 14:09	01/25/21 18:09	1
Benzyl alcohol	ND		9.5	1.9	ug/L		01/20/21 14:09	01/25/21 18:09	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		01/20/21 14:09	01/25/21 18:09	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		01/20/21 14:09	01/25/21 18:09	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		01/20/21 14:09	01/25/21 18:09	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.7	ug/L		01/20/21 14:09	01/25/21 18:09	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		01/20/21 14:09	01/25/21 18:09	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		01/20/21 14:09	01/25/21 18:09	1
4-Chloroaniline	ND		9.5	3.2	ug/L		01/20/21 14:09	01/25/21 18:09	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		01/20/21 14:09	01/25/21 18:09	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		01/20/21 14:09	01/25/21 18:09	1
2-Chlorophenol	ND		9.5	2.1	ug/L		01/20/21 14:09	01/25/21 18:09	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		01/20/21 14:09	01/25/21 18:09	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		01/20/21 14:09	01/25/21 18:09	1
Dibenzofuran	ND		9.5	0.16	ug/L		01/20/21 14:09	01/25/21 18:09	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		01/20/21 14:09	01/25/21 18:09	1
2,4-Dichlorophenol	ND		9.5	2.8	ug/L		01/20/21 14:09	01/25/21 18:09	1
Diethyl phthalate	ND		9.5	0.23	ug/L		01/20/21 14:09	01/25/21 18:09	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		01/20/21 14:09	01/25/21 18:09	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		01/20/21 14:09	01/25/21 18:09	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		01/20/21 14:09	01/25/21 18:09	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		01/20/21 14:09	01/25/21 18:09	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		01/20/21 14:09	01/25/21 18:09	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		01/20/21 14:09	01/25/21 18:09	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		01/20/21 14:09	01/25/21 18:09	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		01/20/21 14:09	01/25/21 18:09	1
1,4-Dioxane	ND		9.5	0.95	ug/L		01/20/21 14:09	01/25/21 18:09	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		01/20/21 14:09	01/25/21 18:09	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		01/20/21 14:09	01/25/21 18:09	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/20/21 14:09	01/25/21 18:09	1
Hexachloroethane	ND		9.5	4.0	ug/L		01/20/21 14:09	01/25/21 18:09	1
Indene	ND		9.5	0.95	ug/L		01/20/21 14:09	01/25/21 18:09	1
Isophorone	ND		9.5	0.13	ug/L		01/20/21 14:09	01/25/21 18:09	1
2-Methylphenol	ND		9.5	1.7	ug/L		01/20/21 14:09	01/25/21 18:09	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/20/21 14:09	01/25/21 18:09	1
2-Nitroaniline	ND		9.5	2.1	ug/L		01/20/21 14:09	01/25/21 18:09	1
3-Nitroaniline	ND		9.5	1.7	ug/L		01/20/21 14:09	01/25/21 18:09	1
4-Nitroaniline	ND		9.5	1.4	ug/L		01/20/21 14:09	01/25/21 18:09	1
Nitrobenzene	ND		9.5	0.12	ug/L		01/20/21 14:09	01/25/21 18:09	1
2-Nitrophenol	ND		9.5	4.9	ug/L		01/20/21 14:09	01/25/21 18:09	1
4-Nitrophenol	ND		9.5	2.0	ug/L		01/20/21 14:09	01/25/21 18:09	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		01/20/21 14:09	01/25/21 18:09	1

Client Sample ID: MW4-ROX-011821
Date Collected: 01/18/21 09:50
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.5	3.1	ug/L		01/20/21 14:09	01/25/21 18:09	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		01/20/21 14:09	01/25/21 18:09	1
Pentachlorophenol	ND		19	1.3	ug/L		01/20/21 14:09	01/25/21 18:09	1
Phenol	ND		9.5	2.5	ug/L		01/20/21 14:09	01/25/21 18:09	1
Pyridine	ND		9.5	3.0	ug/L		01/20/21 14:09	01/25/21 18:09	1
Quinoline	ND		9.5	4.3	ug/L		01/20/21 14:09	01/25/21 18:09	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		01/20/21 14:09	01/25/21 18:09	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		01/20/21 14:09	01/25/21 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*46 - 124*	*01/20/21 14:09*	*01/27/21 16:35*	*1*
2-Fluorophenol	*32*		*13 - 113*	*01/20/21 14:09*	*01/27/21 16:35*	*1*
Nitrobenzene-d5	*66*		*36 - 126*	*01/20/21 14:09*	*01/27/21 16:35*	*1*
Phenol-d5	*61*		*17 - 127*	*01/20/21 14:09*	*01/27/21 16:35*	*1*
Terphenyl-d14	*51*		*44 - 149*	*01/20/21 14:09*	*01/27/21 16:35*	*1*
2,4,6-Tribromophenol	*56*		*26 - 150*	*01/20/21 14:09*	*01/27/21 16:35*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/22/21 12:09	01/22/21 22:21	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/22/21 12:09	01/22/21 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 22:21*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Client Sample ID: MW25-ROX-011821
Date Collected: 01/18/21 10:35
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/29/21 00:23	1
Acrolein	ND		20	10	ug/L			01/29/21 00:23	1
Acrylonitrile	ND		10	2.8	ug/L			01/29/21 00:23	1
Benzene	44		1.0	0.38	ug/L			01/29/21 00:23	1
Bromobenzene	ND		1.0	0.54	ug/L			01/29/21 00:23	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/29/21 00:23	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/29/21 00:23	1
Bromoform	ND		5.0	0.71	ug/L			01/29/21 00:23	1
Bromomethane	ND		1.0	0.98	ug/L			01/29/21 00:23	1
2-Butanone (MEK)	5.0	J	25	2.6	ug/L			01/29/21 00:23	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/29/21 00:23	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/29/21 00:23	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/29/21 00:23	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/29/21 00:23	1
Chloroethane	ND		1.0	0.76	ug/L			01/29/21 00:23	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/29/21 00:23	1
Chloroform	ND		1.0	0.60	ug/L			01/29/21 00:23	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/29/21 00:23	1
Chloromethane	ND		1.0	0.83	ug/L			01/29/21 00:23	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/29/21 00:23	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/29/21 00:23	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/29/21 00:23	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/29/21 00:23	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/29/21 00:23	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/29/21 00:23	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/29/21 00:23	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/29/21 00:23	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/29/21 00:23	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/29/21 00:23	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/29/21 00:23	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/29/21 00:23	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/29/21 00:23	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/29/21 00:23	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/29/21 00:23	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/29/21 00:23	1
2-Hexanone	ND		25	3.1	ug/L			01/29/21 00:23	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/29/21 00:23	1
Methylene bromide	ND		5.0	0.59	ug/L			01/29/21 00:23	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/29/21 00:23	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/29/21 00:23	1
Methyl tert-butyl ether	4.0		1.0	0.74	ug/L			01/29/21 00:23	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/29/21 00:23	1
Naphthalene	ND		1.0	1.0	ug/L			01/29/21 00:23	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/29/21 00:23	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/29/21 00:23	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/29/21 00:23	1
o-Xylene	ND		5.0	0.60	ug/L			01/29/21 00:23	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/29/21 00:23	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/29/21 00:23	1

Client Sample ID: MW25-ROX-011821
Date Collected: 01/18/21 10:35
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/29/21 00:23	1
Styrene	ND		1.0	1.0	ug/L			01/29/21 00:23	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/29/21 00:23	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/29/21 00:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/29/21 00:23	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/29/21 00:23	1
Toluene	ND		1.0	0.41	ug/L			01/29/21 00:23	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/29/21 00:23	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/29/21 00:23	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/29/21 00:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/29/21 00:23	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/29/21 00:23	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/29/21 00:23	1
Trichloroethene	ND		1.0	0.50	ug/L			01/29/21 00:23	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/29/21 00:23	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/29/21 00:23	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/29/21 00:23	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/29/21 00:23	1
Vinyl acetate	ND		25	2.0	ug/L			01/29/21 00:23	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/29/21 00:23	1
Xylenes, Total	ND		10	1.6	ug/L			01/29/21 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/29/21 00:23*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*01/29/21 00:23*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/29/21 00:23*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.78	0.12	ug/L		01/20/21 14:09	01/25/21 16:27	1
Acenaphthylene	ND		0.78	0.17	ug/L		01/20/21 14:09	01/25/21 16:27	1
Anthracene	ND		0.78	0.12	ug/L		01/20/21 14:09	01/25/21 16:27	1
Benzo[a]anthracene	ND		0.78	0.18	ug/L		01/20/21 14:09	01/25/21 16:27	1
Benzo[a]pyrene	ND		0.78	0.16	ug/L		01/20/21 14:09	01/25/21 16:27	1
Benzo[b]fluoranthene	ND		0.78	0.26	ug/L		01/20/21 14:09	01/25/21 16:27	1
Benzo[g,h,i]perylene	ND		0.78	0.50	ug/L		01/20/21 14:09	01/25/21 16:27	1
Benzo[k]fluoranthene	ND		0.78	0.39	ug/L		01/20/21 14:09	01/25/21 16:27	1
Chrysene	ND		0.78	0.29	ug/L		01/20/21 14:09	01/25/21 16:27	1
Dibenz(a,h)anthracene	ND		0.78	0.18	ug/L		01/20/21 14:09	01/25/21 16:27	1
Fluoranthene	ND		0.78	0.26	ug/L		01/20/21 14:09	01/25/21 16:27	1
Fluorene	ND		0.78	0.43	ug/L		01/20/21 14:09	01/25/21 16:27	1
Indeno[1,2,3-cd]pyrene	ND		0.78	0.47	ug/L		01/20/21 14:09	01/25/21 16:27	1
Phenanthrene	ND		0.78	0.14	ug/L		01/20/21 14:09	01/25/21 16:27	1
Pyrene	ND		0.78	0.16	ug/L		01/20/21 14:09	01/25/21 16:27	1
1-Methylnaphthalene	ND		0.78	0.29	ug/L		01/20/21 14:09	01/25/21 16:27	1
2-Methylnaphthalene	ND		0.78	0.23	ug/L		01/20/21 14:09	01/25/21 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*67*		*33 - 138*	*01/20/21 14:09*	*01/25/21 16:27*	*1*
2-Fluorobiphenyl	*67*		*15 - 122*	*01/20/21 14:09*	*01/25/21 16:27*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Client Sample ID: MW25-ROX-011821
Date Collected: 01/18/21 10:35
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-5
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*74*		*19 - 130*	*01/20/21 14:09*	*01/25/21 16:27*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.7	3.7	ug/L		01/20/21 14:09	01/25/21 18:31	1
Benzenethiol	ND	*-*1	9.7	1.6	ug/L		01/20/21 14:09	01/27/21 16:56	1
Benzoic acid	ND		29	7.1	ug/L		01/20/21 14:09	01/25/21 18:31	1
Benzyl alcohol	ND		9.7	1.9	ug/L		01/20/21 14:09	01/25/21 18:31	1
Bis(2-chloroethoxy)methane	ND		9.7	0.16	ug/L		01/20/21 14:09	01/25/21 18:31	1
Bis(2-chloroethyl)ether	ND		9.7	2.6	ug/L		01/20/21 14:09	01/25/21 18:31	1
bis (2-chloroisopropyl) ether	ND		9.7	0.16	ug/L		01/20/21 14:09	01/25/21 18:31	1
Bis(2-ethylhexyl) phthalate	ND		9.7	4.9	ug/L		01/20/21 14:09	01/25/21 18:31	1
4-Bromophenyl phenyl ether	ND		9.7	0.19	ug/L		01/20/21 14:09	01/25/21 18:31	1
Butyl benzyl phthalate	ND		9.7	0.18	ug/L		01/20/21 14:09	01/25/21 18:31	1
4-Chloroaniline	ND		9.7	3.3	ug/L		01/20/21 14:09	01/25/21 18:31	1
4-Chloro-3-methylphenol	ND		9.7	3.7	ug/L		01/20/21 14:09	01/25/21 18:31	1
2-Chloronaphthalene	ND		9.7	0.14	ug/L		01/20/21 14:09	01/25/21 18:31	1
2-Chlorophenol	ND		9.7	2.1	ug/L		01/20/21 14:09	01/25/21 18:31	1
4-Chlorophenyl phenyl ether	ND		9.7	1.9	ug/L		01/20/21 14:09	01/25/21 18:31	1
Dibenz[a,h]acridine	ND		9.7	0.97	ug/L		01/20/21 14:09	01/25/21 18:31	1
Dibenzofuran	ND		9.7	0.16	ug/L		01/20/21 14:09	01/25/21 18:31	1
3,3'-Dichlorobenzidine	ND		9.7	2.5	ug/L		01/20/21 14:09	01/25/21 18:31	1
2,4-Dichlorophenol	ND		9.7	2.9	ug/L		01/20/21 14:09	01/25/21 18:31	1
Diethyl phthalate	ND		9.7	0.23	ug/L		01/20/21 14:09	01/25/21 18:31	1
2,4-Dimethylphenol	ND		9.7	3.4	ug/L		01/20/21 14:09	01/25/21 18:31	1
Dimethyl phthalate	ND		9.7	0.16	ug/L		01/20/21 14:09	01/25/21 18:31	1
Di-n-butyl phthalate	ND		9.7	2.6	ug/L		01/20/21 14:09	01/25/21 18:31	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.6	ug/L		01/20/21 14:09	01/25/21 18:31	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		01/20/21 14:09	01/25/21 18:31	1
2,4-Dinitrotoluene	ND		9.7	1.8	ug/L		01/20/21 14:09	01/25/21 18:31	1
2,6-Dinitrotoluene	ND		9.7	1.8	ug/L		01/20/21 14:09	01/25/21 18:31	1
Di-n-octyl phthalate	ND		9.7	0.16	ug/L		01/20/21 14:09	01/25/21 18:31	1
1,4-Dioxane	ND		9.7	0.97	ug/L		01/20/21 14:09	01/25/21 18:31	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.97	ug/L		01/20/21 14:09	01/25/21 18:31	1
Hexachlorobenzene	ND		9.7	0.16	ug/L		01/20/21 14:09	01/25/21 18:31	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/20/21 14:09	01/25/21 18:31	1
Hexachloroethane	ND		9.7	4.1	ug/L		01/20/21 14:09	01/25/21 18:31	1
Indene	ND		9.7	0.97	ug/L		01/20/21 14:09	01/25/21 18:31	1
Isophorone	ND		9.7	0.14	ug/L		01/20/21 14:09	01/25/21 18:31	1
2-Methylphenol	ND		9.7	1.7	ug/L		01/20/21 14:09	01/25/21 18:31	1
3 & 4 Methylphenol	ND		19	0.38	ug/L		01/20/21 14:09	01/25/21 18:31	1
2-Nitroaniline	ND		9.7	2.1	ug/L		01/20/21 14:09	01/25/21 18:31	1
3-Nitroaniline	ND		9.7	1.7	ug/L		01/20/21 14:09	01/25/21 18:31	1
4-Nitroaniline	ND		9.7	1.5	ug/L		01/20/21 14:09	01/25/21 18:31	1
Nitrobenzene	ND		9.7	0.13	ug/L		01/20/21 14:09	01/25/21 18:31	1
2-Nitrophenol	ND		9.7	5.0	ug/L		01/20/21 14:09	01/25/21 18:31	1
4-Nitrophenol	ND		9.7	2.0	ug/L		01/20/21 14:09	01/25/21 18:31	1
N-Nitrosodimethylamine	ND		9.7	3.4	ug/L		01/20/21 14:09	01/25/21 18:31	1

Client Sample ID: MW25-ROX-011821
Date Collected: 01/18/21 10:35
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.7	3.2	ug/L		01/20/21 14:09	01/25/21 18:31	1
N-Nitrosodiphenylamine	ND		9.7	0.17	ug/L		01/20/21 14:09	01/25/21 18:31	1
Pentachlorophenol	ND		19	1.4	ug/L		01/20/21 14:09	01/25/21 18:31	1
Phenol	ND		9.7	2.5	ug/L		01/20/21 14:09	01/25/21 18:31	1
Pyridine	ND		9.7	3.1	ug/L		01/20/21 14:09	01/25/21 18:31	1
Quinoline	ND		9.7	4.4	ug/L		01/20/21 14:09	01/25/21 18:31	1
2,4,5-Trichlorophenol	ND		9.7	3.6	ug/L		01/20/21 14:09	01/25/21 18:31	1
2,4,6-Trichlorophenol	ND		9.7	3.4	ug/L		01/20/21 14:09	01/25/21 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*54*		*46 - 124*	*01/20/21 14:09*	*01/27/21 16:56*	*1*
2-Fluorophenol	*38*		*13 - 113*	*01/20/21 14:09*	*01/27/21 16:56*	*1*
Nitrobenzene-d5	*67*		*36 - 126*	*01/20/21 14:09*	*01/27/21 16:56*	*1*
Phenol-d5	*58*		*17 - 127*	*01/20/21 14:09*	*01/27/21 16:56*	*1*
Terphenyl-d14	*49*		*44 - 149*	*01/20/21 14:09*	*01/27/21 16:56*	*1*
2,4,6-Tribromophenol	*55*		*26 - 150*	*01/20/21 14:09*	*01/27/21 16:56*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0056	ug/L		01/22/21 12:09	01/22/21 22:41	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		01/22/21 12:09	01/22/21 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*	*p*	*51 - 149*	*01/22/21 12:09*	*01/22/21 22:41*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Client Sample ID: MW25-ROX-011821-DUP
Date Collected: 01/18/21 10:35
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/29/21 00:49	1
Acrolein	ND		20	10	ug/L			01/29/21 00:49	1
Acrylonitrile	ND		10	2.8	ug/L			01/29/21 00:49	1
Benzene	35		1.0	0.38	ug/L			01/29/21 00:49	1
Bromobenzene	ND		1.0	0.54	ug/L			01/29/21 00:49	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/29/21 00:49	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/29/21 00:49	1
Bromoform	ND		5.0	0.71	ug/L			01/29/21 00:49	1
Bromomethane	ND		1.0	0.98	ug/L			01/29/21 00:49	1
2-Butanone (MEK)	2.6	J	25	2.6	ug/L			01/29/21 00:49	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/29/21 00:49	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/29/21 00:49	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/29/21 00:49	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/29/21 00:49	1
Chloroethane	ND		1.0	0.76	ug/L			01/29/21 00:49	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/29/21 00:49	1
Chloroform	ND		1.0	0.60	ug/L			01/29/21 00:49	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/29/21 00:49	1
Chloromethane	ND		1.0	0.83	ug/L			01/29/21 00:49	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/29/21 00:49	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/29/21 00:49	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/29/21 00:49	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/29/21 00:49	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/29/21 00:49	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/29/21 00:49	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/29/21 00:49	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/29/21 00:49	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/29/21 00:49	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/29/21 00:49	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/29/21 00:49	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/29/21 00:49	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/29/21 00:49	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/29/21 00:49	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/29/21 00:49	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/29/21 00:49	1
2-Hexanone	ND		25	3.1	ug/L			01/29/21 00:49	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/29/21 00:49	1
Methylene bromide	ND		5.0	0.59	ug/L			01/29/21 00:49	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/29/21 00:49	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/29/21 00:49	1
Methyl tert-butyl ether	3.7		1.0	0.74	ug/L			01/29/21 00:49	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/29/21 00:49	1
Naphthalene	ND		1.0	1.0	ug/L			01/29/21 00:49	1
n-Butylbenzene	ND	*+	1.0	0.76	ug/L			01/29/21 00:49	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/29/21 00:49	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/29/21 00:49	1
o-Xylene	ND		5.0	0.60	ug/L			01/29/21 00:49	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/29/21 00:49	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/29/21 00:49	1

Client Sample ID: MW25-ROX-011821-DUP
Date Collected: 01/18/21 10:35
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/29/21 00:49	1
Styrene	ND		1.0	1.0	ug/L			01/29/21 00:49	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/29/21 00:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/29/21 00:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/29/21 00:49	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/29/21 00:49	1
Toluene	ND		1.0	0.41	ug/L			01/29/21 00:49	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/29/21 00:49	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/29/21 00:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/29/21 00:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/29/21 00:49	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/29/21 00:49	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/29/21 00:49	1
Trichloroethene	ND		1.0	0.50	ug/L			01/29/21 00:49	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/29/21 00:49	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/29/21 00:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/29/21 00:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/29/21 00:49	1
Vinyl acetate	ND		25	2.0	ug/L			01/29/21 00:49	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/29/21 00:49	1
Xylenes, Total	ND		10	1.6	ug/L			01/29/21 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*01/29/21 00:49*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*01/29/21 00:49*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*01/29/21 00:49*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.77	0.12	ug/L		01/20/21 14:09	01/25/21 16:43	1
Acenaphthylene	ND		0.77	0.17	ug/L		01/20/21 14:09	01/25/21 16:43	1
Anthracene	ND		0.77	0.12	ug/L		01/20/21 14:09	01/25/21 16:43	1
Benzo[a]anthracene	ND		0.77	0.18	ug/L		01/20/21 14:09	01/25/21 16:43	1
Benzo[a]pyrene	ND		0.77	0.16	ug/L		01/20/21 14:09	01/25/21 16:43	1
Benzo[b]fluoranthene	ND		0.77	0.26	ug/L		01/20/21 14:09	01/25/21 16:43	1
Benzo[g,h,i]perylene	ND		0.77	0.50	ug/L		01/20/21 14:09	01/25/21 16:43	1
Benzo[k]fluoranthene	ND		0.77	0.38	ug/L		01/20/21 14:09	01/25/21 16:43	1
Chrysene	ND		0.77	0.28	ug/L		01/20/21 14:09	01/25/21 16:43	1
Dibenz(a,h)anthracene	ND		0.77	0.18	ug/L		01/20/21 14:09	01/25/21 16:43	1
Fluoranthene	ND		0.77	0.26	ug/L		01/20/21 14:09	01/25/21 16:43	1
Fluorene	ND		0.77	0.42	ug/L		01/20/21 14:09	01/25/21 16:43	1
Indeno[1,2,3-cd]pyrene	ND		0.77	0.46	ug/L		01/20/21 14:09	01/25/21 16:43	1
Phenanthrene	ND		0.77	0.14	ug/L		01/20/21 14:09	01/25/21 16:43	1
Pyrene	ND		0.77	0.15	ug/L		01/20/21 14:09	01/25/21 16:43	1
1-Methylnaphthalene	ND		0.77	0.28	ug/L		01/20/21 14:09	01/25/21 16:43	1
2-Methylnaphthalene	ND		0.77	0.23	ug/L		01/20/21 14:09	01/25/21 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*64*		*33 - 138*	*01/20/21 14:09*	*01/25/21 16:43*	*1*
2-Fluorobiphenyl	*66*		*15 - 122*	*01/20/21 14:09*	*01/25/21 16:43*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Client Sample ID: MW25-ROX-011821-DUP
Date Collected: 01/18/21 10:35
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-6
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*73*		*19 - 130*	*01/20/21 14:09*	*01/25/21 16:43*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.6	3.7	ug/L		01/20/21 14:09	01/25/21 18:52	1
Benzenethiol	ND	UJ	9.6	1.6	ug/L		01/20/21 14:09	01/27/21 17:18	1
Benzoic acid	ND		29	7.0	ug/L		01/20/21 14:09	01/25/21 18:52	1
Benzyl alcohol	ND		9.6	1.9	ug/L		01/20/21 14:09	01/25/21 18:52	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		01/20/21 14:09	01/25/21 18:52	1
Bis(2-chloroethyl)ether	ND		9.6	2.6	ug/L		01/20/21 14:09	01/25/21 18:52	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		01/20/21 14:09	01/25/21 18:52	1
Bis(2-ethylhexyl) phthalate	**8.6**	**J B**	9.6	4.8	ug/L		01/20/21 14:09	01/25/21 18:52	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		01/20/21 14:09	01/25/21 18:52	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		01/20/21 14:09	01/25/21 18:52	1
4-Chloroaniline	ND		9.6	3.3	ug/L		01/20/21 14:09	01/25/21 18:52	1
4-Chloro-3-methylphenol	ND		9.6	3.7	ug/L		01/20/21 14:09	01/25/21 18:52	1
2-Chloronaphthalene	ND		9.6	0.13	ug/L		01/20/21 14:09	01/25/21 18:52	1
2-Chlorophenol	ND		9.6	2.1	ug/L		01/20/21 14:09	01/25/21 18:52	1
4-Chlorophenyl phenyl ether	ND		9.6	1.9	ug/L		01/20/21 14:09	01/25/21 18:52	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		01/20/21 14:09	01/25/21 18:52	1
Dibenzofuran	ND		9.6	0.16	ug/L		01/20/21 14:09	01/25/21 18:52	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		01/20/21 14:09	01/25/21 18:52	1
2,4-Dichlorophenol	ND		9.6	2.9	ug/L		01/20/21 14:09	01/25/21 18:52	1
Diethyl phthalate	ND		9.6	0.23	ug/L		01/20/21 14:09	01/25/21 18:52	1
2,4-Dimethylphenol	ND		9.6	3.4	ug/L		01/20/21 14:09	01/25/21 18:52	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		01/20/21 14:09	01/25/21 18:52	1
Di-n-butyl phthalate	ND		9.6	2.6	ug/L		01/20/21 14:09	01/25/21 18:52	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		01/20/21 14:09	01/25/21 18:52	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		01/20/21 14:09	01/25/21 18:52	1
2,4-Dinitrotoluene	ND		9.6	1.8	ug/L		01/20/21 14:09	01/25/21 18:52	1
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		01/20/21 14:09	01/25/21 18:52	1
Di-n-octyl phthalate	ND		9.6	0.16	ug/L		01/20/21 14:09	01/25/21 18:52	1
1,4-Dioxane	ND		9.6	0.96	ug/L		01/20/21 14:09	01/25/21 18:52	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.96	ug/L		01/20/21 14:09	01/25/21 18:52	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		01/20/21 14:09	01/25/21 18:52	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/20/21 14:09	01/25/21 18:52	1
Hexachloroethane	ND		9.6	4.0	ug/L		01/20/21 14:09	01/25/21 18:52	1
Indene	ND		9.6	0.96	ug/L		01/20/21 14:09	01/25/21 18:52	1
Isophorone	ND		9.6	0.13	ug/L		01/20/21 14:09	01/25/21 18:52	1
2-Methylphenol	ND		9.6	1.7	ug/L		01/20/21 14:09	01/25/21 18:52	1
3 & 4 Methylphenol	ND		19	0.38	ug/L		01/20/21 14:09	01/25/21 18:52	1
2-Nitroaniline	ND		9.6	2.1	ug/L		01/20/21 14:09	01/25/21 18:52	1
3-Nitroaniline	ND		9.6	1.7	ug/L		01/20/21 14:09	01/25/21 18:52	1
4-Nitroaniline	ND		9.6	1.4	ug/L		01/20/21 14:09	01/25/21 18:52	1
Nitrobenzene	ND		9.6	0.13	ug/L		01/20/21 14:09	01/25/21 18:52	1
2-Nitrophenol	ND		9.6	5.0	ug/L		01/20/21 14:09	01/25/21 18:52	1
4-Nitrophenol	ND		9.6	2.0	ug/L		01/20/21 14:09	01/25/21 18:52	1
N-Nitrosodimethylamine	ND		9.6	3.4	ug/L		01/20/21 14:09	01/25/21 18:52	1

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Client Sample ID: MW25-ROX-011821-DUP
Date Collected: 01/18/21 10:35
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.6	3.2	ug/L		01/20/21 14:09	01/25/21 18:52	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		01/20/21 14:09	01/25/21 18:52	1
Pentachlorophenol	ND		19	1.3	ug/L		01/20/21 14:09	01/25/21 18:52	1
Phenol	ND		9.6	2.5	ug/L		01/20/21 14:09	01/25/21 18:52	1
Pyridine	ND		9.6	3.1	ug/L		01/20/21 14:09	01/25/21 18:52	1
Quinoline	ND		9.6	4.3	ug/L		01/20/21 14:09	01/25/21 18:52	1
2,4,5-Trichlorophenol	ND		9.6	3.6	ug/L		01/20/21 14:09	01/25/21 18:52	1
2,4,6-Trichlorophenol	ND		9.6	3.4	ug/L		01/20/21 14:09	01/25/21 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*46 - 124*	*01/20/21 14:09*	*01/27/21 17:18*	*1*
2-Fluorophenol	*39*		*13 - 113*	*01/20/21 14:09*	*01/27/21 17:18*	*1*
Nitrobenzene-d5	*67*		*36 - 126*	*01/20/21 14:09*	*01/27/21 17:18*	*1*
Phenol-d5	*60*		*17 - 127*	*01/20/21 14:09*	*01/27/21 17:18*	*1*
Terphenyl-d14	*46*		*44 - 149*	*01/20/21 14:09*	*01/27/21 17:18*	*1*
2,4,6-Tribromophenol	*59*		*26 - 150*	*01/20/21 14:09*	*01/27/21 17:18*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND	H UJ	9.5	4.8	ug/L		01/27/21 15:04	01/28/21 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*107*		*46 - 124*	*01/27/21 15:04*	*01/28/21 20:07*	*1*
2-Fluorophenol	*30*		*13 - 113*	*01/27/21 15:04*	*01/28/21 20:07*	*1*
Nitrobenzene-d5	*65*		*36 - 126*	*01/27/21 15:04*	*01/28/21 20:07*	*1*
Phenol-d5	*40*		*17 - 127*	*01/27/21 15:04*	*01/28/21 20:07*	*1*
Terphenyl-d14	*105*		*44 - 149*	*01/27/21 15:04*	*01/28/21 20:07*	*1*
2,4,6-Tribromophenol	*149*		*26 - 150*	*01/27/21 15:04*	*01/28/21 20:07*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/28/21 13:47	01/28/21 16:57	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/28/21 13:47	01/28/21 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*83*	*p*	*51 - 149*	*01/28/21 13:47*	*01/28/21 16:57*	*1*

Client Sample ID: MW8-ROX-011821
Date Collected: 01/18/21 11:50
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2500	1000	ug/L			01/29/21 12:29	100
Acrolein	ND		2000	1000	ug/L			01/29/21 12:29	100
Acrylonitrile	ND		1000	280	ug/L			01/29/21 12:29	100
Benzene	29000		100	38	ug/L			01/29/21 12:29	100
Bromobenzene	ND		100	54	ug/L			01/29/21 12:29	100
Bromochloromethane	ND		100	52	ug/L			01/29/21 12:29	100
Bromodichloromethane	ND		100	50	ug/L			01/29/21 12:29	100
Bromoform	ND		500	71	ug/L			01/29/21 12:29	100
Bromomethane	ND		100	98	ug/L			01/29/21 12:29	100
2-Butanone (MEK)	ND		2500	260	ug/L			01/29/21 12:29	100
Carbon disulfide	ND		100	50	ug/L			01/29/21 12:29	100
Carbon tetrachloride	ND		100	50	ug/L			01/29/21 12:29	100
Chlorobenzene	ND		100	50	ug/L			01/29/21 12:29	100
Dibromochloromethane	ND		100	50	ug/L			01/29/21 12:29	100
Chloroethane	ND		100	76	ug/L			01/29/21 12:29	100
2-Chloroethyl vinyl ether	ND		500	200	ug/L			01/29/21 12:29	100
Chloroform	ND		100	60	ug/L			01/29/21 12:29	100
1-Chlorohexane	ND		100	70	ug/L			01/29/21 12:29	100
Chloromethane	ND		100	83	ug/L			01/29/21 12:29	100
cis-1,2-Dichloroethene	ND		100	50	ug/L			01/29/21 12:29	100
cis-1,3-Dichloropropene	ND		500	50	ug/L			01/29/21 12:29	100
1,2-Dichlorobenzene	ND		100	50	ug/L			01/29/21 12:29	100
1,3-Dichlorobenzene	ND		100	54	ug/L			01/29/21 12:29	100
1,4-Dichlorobenzene	ND		100	64	ug/L			01/29/21 12:29	100
Dichlorodifluoromethane	ND		100	85	ug/L			01/29/21 12:29	100
1,1-Dichloroethane	ND		100	50	ug/L			01/29/21 12:29	100
1,2-Dichloroethane	ND		100	50	ug/L			01/29/21 12:29	100
1,1-Dichloroethene	ND		100	50	ug/L			01/29/21 12:29	100
1,2-Dichloropropane	ND		100	50	ug/L			01/29/21 12:29	100
1,3-Dichloropropane	ND		100	50	ug/L			01/29/21 12:29	100
2,2-Dichloropropane	ND		100	50	ug/L			01/29/21 12:29	100
1,1-Dichloropropene	ND		100	50	ug/L			01/29/21 12:29	100
Ethylbenzene	56	J	100	50	ug/L			01/29/21 12:29	100
Ethyl methacrylate	ND		100	60	ug/L			01/29/21 12:29	100
Hexachlorobutadiene	ND		500	90	ug/L			01/29/21 12:29	100
2-Hexanone	ND		2500	310	ug/L			01/29/21 12:29	100
Isopropylbenzene	ND		100	53	ug/L			01/29/21 12:29	100
Methylene bromide	ND		500	59	ug/L			01/29/21 12:29	100
Methylene Chloride	ND		500	300	ug/L			01/29/21 12:29	100
4-Methyl-2-pentanone (MIBK)	ND		2500	180	ug/L			01/29/21 12:29	100
Methyl tert-butyl ether	ND		100	74	ug/L			01/29/21 12:29	100
m-Xylene & p-Xylene	ND		500	160	ug/L			01/29/21 12:29	100
Naphthalene	ND		100	100	ug/L			01/29/21 12:29	100
n-Butylbenzene	ND	*+	100	76	ug/L			01/29/21 12:29	100
N-Propylbenzene	ND		100	69	ug/L			01/29/21 12:29	100
o-Chlorotoluene	ND		100	57	ug/L			01/29/21 12:29	100
o-Xylene	ND		500	60	ug/L			01/29/21 12:29	100
p-Chlorotoluene	ND		100	56	ug/L			01/29/21 12:29	100
p-Isopropyltoluene	ND		100	71	ug/L			01/29/21 12:29	100

Client Sample ID: MW8-ROX-011821
Date Collected: 01/18/21 11:50
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		100	70	ug/L			01/29/21 12:29	100
Styrene	ND		100	100	ug/L			01/29/21 12:29	100
tert-Butylbenzene	ND		100	63	ug/L			01/29/21 12:29	100
1,1,1,2-Tetrachloroethane	ND		100	52	ug/L			01/29/21 12:29	100
1,1,2,2-Tetrachloroethane	ND		100	50	ug/L			01/29/21 12:29	100
Tetrachloroethene	ND		100	58	ug/L			01/29/21 12:29	100
Toluene	ND		100	41	ug/L			01/29/21 12:29	100
trans-1,2-Dichloroethene	ND		100	50	ug/L			01/29/21 12:29	100
trans-1,3-Dichloropropene	ND		500	50	ug/L			01/29/21 12:29	100
1,2,3-Trichlorobenzene	ND		100	70	ug/L			01/29/21 12:29	100
1,2,4-Trichlorobenzene	ND		100	82	ug/L			01/29/21 12:29	100
1,1,1-Trichloroethane	ND		100	50	ug/L			01/29/21 12:29	100
1,1,2-Trichloroethane	ND		500	50	ug/L			01/29/21 12:29	100
Trichloroethene	ND		100	50	ug/L			01/29/21 12:29	100
Trichlorofluoromethane	ND		100	52	ug/L			01/29/21 12:29	100
1,2,3-Trichloropropane	ND		500	84	ug/L			01/29/21 12:29	100
1,2,4-Trimethylbenzene	ND		100	82	ug/L			01/29/21 12:29	100
1,3,5-Trimethylbenzene	ND		100	56	ug/L			01/29/21 12:29	100
Vinyl acetate	ND		2500	200	ug/L			01/29/21 12:29	100
Vinyl chloride	ND		100	50	ug/L			01/29/21 12:29	100
Xylenes, Total	ND		1000	160	ug/L			01/29/21 12:29	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*78 - 118*		*01/29/21 12:29*	*100*
Dibromofluoromethane	*100*		*81 - 121*		*01/29/21 12:29*	*100*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/29/21 12:29*	*100*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.75	0.12	ug/L		01/20/21 14:09	01/25/21 16:58	1
Acenaphthylene	ND		0.75	0.17	ug/L		01/20/21 14:09	01/25/21 16:58	1
Anthracene	ND		0.75	0.12	ug/L		01/20/21 14:09	01/25/21 16:58	1
Benzo[a]anthracene	ND		0.75	0.17	ug/L		01/20/21 14:09	01/25/21 16:58	1
Benzo[a]pyrene	ND		0.75	0.16	ug/L		01/20/21 14:09	01/25/21 16:58	1
Benzo[b]fluoranthene	ND		0.75	0.26	ug/L		01/20/21 14:09	01/25/21 16:58	1
Benzo[g,h,i]perylene	ND		0.75	0.49	ug/L		01/20/21 14:09	01/25/21 16:58	1
Benzo[k]fluoranthene	ND		0.75	0.38	ug/L		01/20/21 14:09	01/25/21 16:58	1
Chrysene	ND		0.75	0.28	ug/L		01/20/21 14:09	01/25/21 16:58	1
Dibenz(a,h)anthracene	ND		0.75	0.17	ug/L		01/20/21 14:09	01/25/21 16:58	1
Fluoranthene	ND		0.75	0.26	ug/L		01/20/21 14:09	01/25/21 16:58	1
Fluorene	ND		0.75	0.41	ug/L		01/20/21 14:09	01/25/21 16:58	1
Indeno[1,2,3-cd]pyrene	ND		0.75	0.45	ug/L		01/20/21 14:09	01/25/21 16:58	1
Phenanthrene	ND		0.75	0.14	ug/L		01/20/21 14:09	01/25/21 16:58	1
Pyrene	ND		0.75	0.15	ug/L		01/20/21 14:09	01/25/21 16:58	1
1-Methylnaphthalene	**5.1**		0.75	0.28	ug/L		01/20/21 14:09	01/25/21 16:58	1
2-Methylnaphthalene	**0.41**	**J**	0.75	0.23	ug/L		01/20/21 14:09	01/25/21 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*46*		*33 - 138*	*01/20/21 14:09*	*01/25/21 16:58*	*1*
2-Fluorobiphenyl	*63*		*15 - 122*	*01/20/21 14:09*	*01/25/21 16:58*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Client Sample ID: MW8-ROX-011821
Date Collected: 01/18/21 11:50
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-7
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*53*		*19 - 130*	*01/20/21 14:09*	*01/25/21 16:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.4	3.6	ug/L		01/20/21 14:09	01/25/21 19:13	1
Benzenethiol	ND	UJ	9.4	1.6	ug/L		01/20/21 14:09	01/27/21 17:39	1
Benzoic acid	ND		28	6.9	ug/L		01/20/21 14:09	01/25/21 19:13	1
Benzyl alcohol	ND		9.4	1.9	ug/L		01/20/21 14:09	01/25/21 19:13	1
Bis(2-chloroethoxy)methane	ND		9.4	0.15	ug/L		01/20/21 14:09	01/25/21 19:13	1
Bis(2-chloroethyl)ether	ND		9.4	2.5	ug/L		01/20/21 14:09	01/25/21 19:13	1
bis (2-chloroisopropyl) ether	ND		9.4	0.15	ug/L		01/20/21 14:09	01/25/21 19:13	1
Bis(2-ethylhexyl) phthalate	7.7	J B	9.4	4.7	ug/L		01/20/21 14:09	01/25/21 19:13	1
4-Bromophenyl phenyl ether	ND		9.4	0.19	ug/L		01/20/21 14:09	01/25/21 19:13	1
Butyl benzyl phthalate	ND		9.4	0.18	ug/L		01/20/21 14:09	01/25/21 19:13	1
4-Chloroaniline	ND		9.4	3.2	ug/L		01/20/21 14:09	01/25/21 19:13	1
4-Chloro-3-methylphenol	ND		9.4	3.6	ug/L		01/20/21 14:09	01/25/21 19:13	1
2-Chloronaphthalene	ND		9.4	0.13	ug/L		01/20/21 14:09	01/25/21 19:13	1
2-Chlorophenol	ND		9.4	2.1	ug/L		01/20/21 14:09	01/25/21 19:13	1
4-Chlorophenyl phenyl ether	ND		9.4	1.9	ug/L		01/20/21 14:09	01/25/21 19:13	1
Dibenz[a,h]acridine	ND		9.4	0.94	ug/L		01/20/21 14:09	01/25/21 19:13	1
Dibenzofuran	ND		9.4	0.16	ug/L		01/20/21 14:09	01/25/21 19:13	1
3,3'-Dichlorobenzidine	ND		9.4	2.5	ug/L		01/20/21 14:09	01/25/21 19:13	1
2,4-Dichlorophenol	ND		9.4	2.8	ug/L		01/20/21 14:09	01/25/21 19:13	1
Diethyl phthalate	ND		9.4	0.23	ug/L		01/20/21 14:09	01/25/21 19:13	1
2,4-Dimethylphenol	ND		9.4	3.3	ug/L		01/20/21 14:09	01/25/21 19:13	1
Dimethyl phthalate	ND		9.4	0.16	ug/L		01/20/21 14:09	01/25/21 19:13	1
Di-n-butyl phthalate	ND		9.4	2.5	ug/L		01/20/21 14:09	01/25/21 19:13	1
4,6-Dinitro-ortho-cresol	ND		9.4	1.5	ug/L		01/20/21 14:09	01/25/21 19:13	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		01/20/21 14:09	01/25/21 19:13	1
2,4-Dinitrotoluene	ND		9.4	1.8	ug/L		01/20/21 14:09	01/25/21 19:13	1
2,6-Dinitrotoluene	ND		9.4	1.8	ug/L		01/20/21 14:09	01/25/21 19:13	1
Di-n-octyl phthalate	ND		9.4	0.16	ug/L		01/20/21 14:09	01/25/21 19:13	1
1,4-Dioxane	ND		9.4	0.94	ug/L		01/20/21 14:09	01/25/21 19:13	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.4	0.94	ug/L		01/20/21 14:09	01/25/21 19:13	1
Hexachlorobenzene	ND		9.4	0.16	ug/L		01/20/21 14:09	01/25/21 19:13	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/20/21 14:09	01/25/21 19:13	1
Hexachloroethane	ND		9.4	4.0	ug/L		01/20/21 14:09	01/25/21 19:13	1
Indene	ND		9.4	0.94	ug/L		01/20/21 14:09	01/25/21 19:13	1
Isophorone	ND		9.4	0.13	ug/L		01/20/21 14:09	01/25/21 19:13	1
2-Methylphenol	ND		9.4	1.7	ug/L		01/20/21 14:09	01/25/21 19:13	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		01/20/21 14:09	01/25/21 19:13	1
2-Nitroaniline	ND		9.4	2.1	ug/L		01/20/21 14:09	01/25/21 19:13	1
3-Nitroaniline	ND		9.4	1.7	ug/L		01/20/21 14:09	01/25/21 19:13	1
4-Nitroaniline	ND		9.4	1.4	ug/L		01/20/21 14:09	01/25/21 19:13	1
Nitrobenzene	ND		9.4	0.12	ug/L		01/20/21 14:09	01/25/21 19:13	1
2-Nitrophenol	ND		9.4	4.9	ug/L		01/20/21 14:09	01/25/21 19:13	1
4-Nitrophenol	ND		9.4	2.0	ug/L		01/20/21 14:09	01/25/21 19:13	1
N-Nitrosodimethylamine	ND		9.4	3.3	ug/L		01/20/21 14:09	01/25/21 19:13	1

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Client Sample ID: MW8-ROX-011821
Date Collected: 01/18/21 11:50
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.4	3.1	ug/L		01/20/21 14:09	01/25/21 19:13	1
N-Nitrosodiphenylamine	ND		9.4	0.17	ug/L		01/20/21 14:09	01/25/21 19:13	1
Pentachlorophenol	ND		19	1.3	ug/L		01/20/21 14:09	01/25/21 19:13	1
Phenol	120		9.4	2.5	ug/L		01/20/21 14:09	01/25/21 19:13	1
Pyridine	ND		9.4	3.0	ug/L		01/20/21 14:09	01/25/21 19:13	1
Quinoline	ND		9.4	4.2	ug/L		01/20/21 14:09	01/25/21 19:13	1
2,4,5-Trichlorophenol	ND		9.4	3.5	ug/L		01/20/21 14:09	01/25/21 19:13	1
2,4,6-Trichlorophenol	ND		9.4	3.3	ug/L		01/20/21 14:09	01/25/21 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*46 - 124*	*01/20/21 14:09*	*01/27/21 17:39*	*1*
2-Fluorophenol	*35*		*13 - 113*	*01/20/21 14:09*	*01/27/21 17:39*	*1*
Nitrobenzene-d5	*65*		*36 - 126*	*01/20/21 14:09*	*01/27/21 17:39*	*1*
Phenol-d5	*63*		*17 - 127*	*01/20/21 14:09*	*01/27/21 17:39*	*1*
Terphenyl-d14	*34*	*S1-*	*44 - 149*	*01/20/21 14:09*	*01/27/21 17:39*	*1*
2,4,6-Tribromophenol	*58*		*26 - 150*	*01/20/21 14:09*	*01/27/21 17:39*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND	H U	9.5	4.8	ug/L		01/27/21 15:04	01/28/21 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*124*		*46 - 124*	*01/27/21 15:04*	*01/28/21 20:33*	*1*
2-Fluorophenol	*34*		*13 - 113*	*01/27/21 15:04*	*01/28/21 20:33*	*1*
Nitrobenzene-d5	*75*		*36 - 126*	*01/27/21 15:04*	*01/28/21 20:33*	*1*
Phenol-d5	*50*		*17 - 127*	*01/27/21 15:04*	*01/28/21 20:33*	*1*
Terphenyl-d14	*124*		*44 - 149*	*01/27/21 15:04*	*01/28/21 20:33*	*1*
2,4,6-Tribromophenol	*175*	*S1+*	*26 - 150*	*01/27/21 15:04*	*01/28/21 20:33*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/28/21 13:47	01/28/21 17:17	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/28/21 13:47	01/28/21 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*	*p*	*51 - 149*	*01/28/21 13:47*	*01/28/21 17:17*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Client Sample ID: MW7-ROX-011821
Date Collected: 01/18/21 12:55
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		250000	100000	ug/L			01/29/21 15:34	10000
Acrolein	ND		200000	100000	ug/L			01/29/21 15:34	10000
Acrylonitrile	ND		100000	28000	ug/L			01/29/21 15:34	10000
Benzene	2000000		10000	3800	ug/L			01/29/21 15:34	10000
Bromobenzene	ND		10000	5400	ug/L			01/29/21 15:34	10000
Bromochloromethane	ND		10000	5200	ug/L			01/29/21 15:34	10000
Bromodichloromethane	ND		10000	5000	ug/L			01/29/21 15:34	10000
Bromoform	ND		50000	7100	ug/L			01/29/21 15:34	10000
Bromomethane	ND		10000	9800	ug/L			01/29/21 15:34	10000
2-Butanone (MEK)	ND		250000	26000	ug/L			01/29/21 15:34	10000
Carbon disulfide	ND		10000	5000	ug/L			01/29/21 15:34	10000
Carbon tetrachloride	ND		10000	5000	ug/L			01/29/21 15:34	10000
Chlorobenzene	ND		10000	5000	ug/L			01/29/21 15:34	10000
Dibromochloromethane	ND		10000	5000	ug/L			01/29/21 15:34	10000
Chloroethane	ND		10000	7600	ug/L			01/29/21 15:34	10000
2-Chloroethyl vinyl ether	ND		50000	20000	ug/L			01/29/21 15:34	10000
Chloroform	ND		10000	6000	ug/L			01/29/21 15:34	10000
1-Chlorohexane	ND		10000	7000	ug/L			01/29/21 15:34	10000
Chloromethane	ND		10000	8300	ug/L			01/29/21 15:34	10000
cis-1,2-Dichloroethene	ND		10000	5000	ug/L			01/29/21 15:34	10000
cis-1,3-Dichloropropene	ND		50000	5000	ug/L			01/29/21 15:34	10000
1,2-Dichlorobenzene	ND		10000	5000	ug/L			01/29/21 15:34	10000
1,3-Dichlorobenzene	ND		10000	5400	ug/L			01/29/21 15:34	10000
1,4-Dichlorobenzene	ND		10000	6400	ug/L			01/29/21 15:34	10000
Dichlorodifluoromethane	ND		10000	8500	ug/L			01/29/21 15:34	10000
1,1-Dichloroethane	ND		10000	5000	ug/L			01/29/21 15:34	10000
1,2-Dichloroethane	ND		10000	5000	ug/L			01/29/21 15:34	10000
1,1-Dichloroethene	ND		10000	5000	ug/L			01/29/21 15:34	10000
1,2-Dichloropropane	ND		10000	5000	ug/L			01/29/21 15:34	10000
1,3-Dichloropropane	ND		10000	5000	ug/L			01/29/21 15:34	10000
2,2-Dichloropropane	ND		10000	5000	ug/L			01/29/21 15:34	10000
1,1-Dichloropropene	ND		10000	5000	ug/L			01/29/21 15:34	10000
Ethylbenzene	ND		10000	5000	ug/L			01/29/21 15:34	10000
Ethyl methacrylate	ND		10000	6000	ug/L			01/29/21 15:34	10000
Hexachlorobutadiene	ND		50000	9000	ug/L			01/29/21 15:34	10000
2-Hexanone	ND		250000	31000	ug/L			01/29/21 15:34	10000
Isopropylbenzene	ND		10000	5300	ug/L			01/29/21 15:34	10000
Methylene bromide	ND		50000	5900	ug/L			01/29/21 15:34	10000
Methylene Chloride	ND		50000	30000	ug/L			01/29/21 15:34	10000
4-Methyl-2-pentanone (MIBK)	ND		250000	18000	ug/L			01/29/21 15:34	10000
Methyl tert-butyl ether	ND		10000	7400	ug/L			01/29/21 15:34	10000
m-Xylene & p-Xylene	ND		50000	16000	ug/L			01/29/21 15:34	10000
Naphthalene	ND		10000	10000	ug/L			01/29/21 15:34	10000
n-Butylbenzene	ND	*+	10000	7600	ug/L			01/29/21 15:34	10000
N-Propylbenzene	ND		10000	6900	ug/L			01/29/21 15:34	10000
o-Chlorotoluene	ND		10000	5700	ug/L			01/29/21 15:34	10000
o-Xylene	ND		50000	6000	ug/L			01/29/21 15:34	10000
p-Chlorotoluene	ND		10000	5600	ug/L			01/29/21 15:34	10000
p-Isopropyltoluene	ND		10000	7100	ug/L			01/29/21 15:34	10000

Client Sample ID: MW7-ROX-011821
Date Collected: 01/18/21 12:55
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		10000	7000	ug/L			01/29/21 15:34	10000
Styrene	ND		10000	10000	ug/L			01/29/21 15:34	10000
tert-Butylbenzene	ND		10000	6300	ug/L			01/29/21 15:34	10000
1,1,1,2-Tetrachloroethane	ND		10000	5200	ug/L			01/29/21 15:34	10000
1,1,2,2-Tetrachloroethane	ND		10000	5000	ug/L			01/29/21 15:34	10000
Tetrachloroethene	ND		10000	5800	ug/L			01/29/21 15:34	10000
Toluene	ND		10000	4100	ug/L			01/29/21 15:34	10000
trans-1,2-Dichloroethene	ND		10000	5000	ug/L			01/29/21 15:34	10000
trans-1,3-Dichloropropene	ND		50000	5000	ug/L			01/29/21 15:34	10000
1,2,3-Trichlorobenzene	ND		10000	7000	ug/L			01/29/21 15:34	10000
1,2,4-Trichlorobenzene	ND		10000	8200	ug/L			01/29/21 15:34	10000
1,1,1-Trichloroethane	ND		10000	5000	ug/L			01/29/21 15:34	10000
1,1,2-Trichloroethane	ND		50000	5000	ug/L			01/29/21 15:34	10000
Trichloroethene	ND		10000	5000	ug/L			01/29/21 15:34	10000
Trichlorofluoromethane	ND		10000	5200	ug/L			01/29/21 15:34	10000
1,2,3-Trichloropropane	ND		50000	8400	ug/L			01/29/21 15:34	10000
1,2,4-Trimethylbenzene	ND		10000	8200	ug/L			01/29/21 15:34	10000
1,3,5-Trimethylbenzene	ND		10000	5600	ug/L			01/29/21 15:34	10000
Vinyl acetate	ND		250000	20000	ug/L			01/29/21 15:34	10000
Vinyl chloride	ND		10000	5000	ug/L			01/29/21 15:34	10000
Xylenes, Total	ND		100000	16000	ug/L			01/29/21 15:34	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/29/21 15:34*	*10000*
Dibromofluoromethane	*102*		*81 - 121*		*01/29/21 15:34*	*10000*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/29/21 15:34*	*10000*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.76	0.12	ug/L		01/20/21 14:09	01/25/21 17:14	1
Acenaphthylene	ND		0.76	0.17	ug/L		01/20/21 14:09	01/25/21 17:14	1
Anthracene	ND		0.76	0.12	ug/L		01/20/21 14:09	01/25/21 17:14	1
Benzo[a]anthracene	ND		0.76	0.18	ug/L		01/20/21 14:09	01/25/21 17:14	1
Benzo[a]pyrene	ND		0.76	0.16	ug/L		01/20/21 14:09	01/25/21 17:14	1
Benzo[b]fluoranthene	ND		0.76	0.26	ug/L		01/20/21 14:09	01/25/21 17:14	1
Benzo[g,h,i]perylene	ND		0.76	0.50	ug/L		01/20/21 14:09	01/25/21 17:14	1
Benzo[k]fluoranthene	ND		0.76	0.38	ug/L		01/20/21 14:09	01/25/21 17:14	1
Chrysene	ND		0.76	0.28	ug/L		01/20/21 14:09	01/25/21 17:14	1
Dibenz(a,h)anthracene	ND		0.76	0.18	ug/L		01/20/21 14:09	01/25/21 17:14	1
Fluoranthene	ND		0.76	0.26	ug/L		01/20/21 14:09	01/25/21 17:14	1
Fluorene	ND		0.76	0.42	ug/L		01/20/21 14:09	01/25/21 17:14	1
Indeno[1,2,3-cd]pyrene	ND		0.76	0.46	ug/L		01/20/21 14:09	01/25/21 17:14	1
Phenanthrene	ND		0.76	0.14	ug/L		01/20/21 14:09	01/25/21 17:14	1
Pyrene	ND		0.76	0.15	ug/L		01/20/21 14:09	01/25/21 17:14	1
1-Methylnaphthalene	**1.0**		0.76	0.28	ug/L		01/20/21 14:09	01/25/21 17:14	1
2-Methylnaphthalene	**1.5**		0.76	0.23	ug/L		01/20/21 14:09	01/25/21 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*44*		*33 - 138*	*01/20/21 14:09*	*01/25/21 17:14*	*1*
2-Fluorobiphenyl	*62*		*15 - 122*	*01/20/21 14:09*	*01/25/21 17:14*	*1*

Client Sample ID: MW7-ROX-011821
Date Collected: 01/18/21 12:55
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-8
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*63*		*19 - 130*	*01/20/21 14:09*	*01/25/21 17:14*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.5	3.6	ug/L		01/20/21 14:09	01/25/21 19:34	1
Benzenethiol	ND	*-*1 UJ	9.5	1.6	ug/L		01/20/21 14:09	01/27/21 18:00	1
Benzoic acid	ND		29	7.0	ug/L		01/20/21 14:09	01/25/21 19:34	1
Benzyl alcohol	ND		9.5	1.9	ug/L		01/20/21 14:09	01/25/21 19:34	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		01/20/21 14:09	01/25/21 19:34	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		01/20/21 14:09	01/25/21 19:34	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		01/20/21 14:09	01/25/21 19:34	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.8	ug/L		01/20/21 14:09	01/25/21 19:34	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		01/20/21 14:09	01/25/21 19:34	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		01/20/21 14:09	01/25/21 19:34	1
4-Chloroaniline	ND		9.5	3.2	ug/L		01/20/21 14:09	01/25/21 19:34	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		01/20/21 14:09	01/25/21 19:34	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		01/20/21 14:09	01/25/21 19:34	1
2-Chlorophenol	ND		9.5	2.1	ug/L		01/20/21 14:09	01/25/21 19:34	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		01/20/21 14:09	01/25/21 19:34	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		01/20/21 14:09	01/25/21 19:34	1
Dibenzofuran	ND		9.5	0.16	ug/L		01/20/21 14:09	01/25/21 19:34	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		01/20/21 14:09	01/25/21 19:34	1
2,4-Dichlorophenol	ND		9.5	2.9	ug/L		01/20/21 14:09	01/25/21 19:34	1
Diethyl phthalate	ND		9.5	0.23	ug/L		01/20/21 14:09	01/25/21 19:34	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		01/20/21 14:09	01/25/21 19:34	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		01/20/21 14:09	01/25/21 19:34	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		01/20/21 14:09	01/25/21 19:34	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		01/20/21 14:09	01/25/21 19:34	1
2,4-Dinitrophenol	ND		29	3.2	ug/L		01/20/21 14:09	01/25/21 19:34	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		01/20/21 14:09	01/25/21 19:34	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		01/20/21 14:09	01/25/21 19:34	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		01/20/21 14:09	01/25/21 19:34	1
1,4-Dioxane	ND		9.5	0.95	ug/L		01/20/21 14:09	01/25/21 19:34	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		01/20/21 14:09	01/25/21 19:34	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		01/20/21 14:09	01/25/21 19:34	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		01/20/21 14:09	01/25/21 19:34	1
Hexachloroethane	ND		9.5	4.0	ug/L		01/20/21 14:09	01/25/21 19:34	1
Indene	ND		9.5	0.95	ug/L		01/20/21 14:09	01/25/21 19:34	1
Isophorone	ND		9.5	0.13	ug/L		01/20/21 14:09	01/25/21 19:34	1
2-Methylphenol	ND		9.5	1.7	ug/L		01/20/21 14:09	01/25/21 19:34	1
3 & 4 Methylphenol	0.65	J	19	0.37	ug/L		01/20/21 14:09	01/25/21 19:34	1
2-Nitroaniline	ND		9.5	2.1	ug/L		01/20/21 14:09	01/25/21 19:34	1
3-Nitroaniline	ND		9.5	1.7	ug/L		01/20/21 14:09	01/25/21 19:34	1
4-Nitroaniline	ND		9.5	1.4	ug/L		01/20/21 14:09	01/25/21 19:34	1
Nitrobenzene	ND		9.5	0.12	ug/L		01/20/21 14:09	01/25/21 19:34	1
2-Nitrophenol	ND		9.5	5.0	ug/L		01/20/21 14:09	01/25/21 19:34	1
4-Nitrophenol	ND		9.5	2.0	ug/L		01/20/21 14:09	01/25/21 19:34	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		01/20/21 14:09	01/25/21 19:34	1

Client Sample ID: MW7-ROX-011821
Date Collected: 01/18/21 12:55
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.5	3.2	ug/L		01/20/21 14:09	01/25/21 19:34	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		01/20/21 14:09	01/25/21 19:34	1
Pentachlorophenol	ND		19	1.3	ug/L		01/20/21 14:09	01/25/21 19:34	1
Phenol	84		9.5	2.5	ug/L		01/20/21 14:09	01/25/21 19:34	1
Pyridine	ND		9.5	3.1	ug/L		01/20/21 14:09	01/25/21 19:34	1
Quinoline	ND		9.5	4.3	ug/L		01/20/21 14:09	01/25/21 19:34	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		01/20/21 14:09	01/25/21 19:34	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		01/20/21 14:09	01/25/21 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*48*		*46 - 124*	*01/20/21 14:09*	*01/27/21 18:00*	*1*
2-Fluorophenol	*39*		*13 - 113*	*01/20/21 14:09*	*01/27/21 18:00*	*1*
Nitrobenzene-d5	*65*		*36 - 126*	*01/20/21 14:09*	*01/27/21 18:00*	*1*
Phenol-d5	*60*		*17 - 127*	*01/20/21 14:09*	*01/27/21 18:00*	*1*
Terphenyl-d14	*31*	*S1-*	*44 - 149*	*01/20/21 14:09*	*01/27/21 18:00*	*1*
2,4,6-Tribromophenol	*60*		*26 - 150*	*01/20/21 14:09*	*01/27/21 18:00*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0057	ug/L		01/28/21 13:47	01/28/21 17:37	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		01/28/21 13:47	01/28/21 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*	*p*	*51 - 149*	*01/28/21 13:47*	*01/28/21 17:37*	*1*

Client Sample ID: MW7-ROX-011821-DUP
Date Collected: 01/18/21 12:55
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		250000	100000	ug/L			01/29/21 16:00	10000
Acrolein	ND		200000	100000	ug/L			01/29/21 16:00	10000
Acrylonitrile	ND		100000	28000	ug/L			01/29/21 16:00	10000
Benzene	2200000		10000	3800	ug/L			01/29/21 16:00	10000
Bromobenzene	ND		10000	5400	ug/L			01/29/21 16:00	10000
Bromochloromethane	ND		10000	5200	ug/L			01/29/21 16:00	10000
Bromodichloromethane	ND		10000	5000	ug/L			01/29/21 16:00	10000
Bromoform	ND		50000	7100	ug/L			01/29/21 16:00	10000
Bromomethane	ND		10000	9800	ug/L			01/29/21 16:00	10000
2-Butanone (MEK)	ND		250000	26000	ug/L			01/29/21 16:00	10000
Carbon disulfide	ND		10000	5000	ug/L			01/29/21 16:00	10000
Carbon tetrachloride	ND		10000	5000	ug/L			01/29/21 16:00	10000
Chlorobenzene	ND		10000	5000	ug/L			01/29/21 16:00	10000
Dibromochloromethane	ND		10000	5000	ug/L			01/29/21 16:00	10000
Chloroethane	ND		10000	7600	ug/L			01/29/21 16:00	10000
2-Chloroethyl vinyl ether	ND		50000	20000	ug/L			01/29/21 16:00	10000
Chloroform	ND		10000	6000	ug/L			01/29/21 16:00	10000
1-Chlorohexane	ND		10000	7000	ug/L			01/29/21 16:00	10000
Chloromethane	ND		10000	8300	ug/L			01/29/21 16:00	10000
cis-1,2-Dichloroethene	ND		10000	5000	ug/L			01/29/21 16:00	10000
cis-1,3-Dichloropropene	ND		50000	5000	ug/L			01/29/21 16:00	10000
1,2-Dichlorobenzene	ND		10000	5000	ug/L			01/29/21 16:00	10000
1,3-Dichlorobenzene	ND		10000	5400	ug/L			01/29/21 16:00	10000
1,4-Dichlorobenzene	ND		10000	6400	ug/L			01/29/21 16:00	10000
Dichlorodifluoromethane	ND		10000	8500	ug/L			01/29/21 16:00	10000
1,1-Dichloroethane	ND		10000	5000	ug/L			01/29/21 16:00	10000
1,2-Dichloroethane	ND		10000	5000	ug/L			01/29/21 16:00	10000
1,1-Dichloroethene	ND		10000	5000	ug/L			01/29/21 16:00	10000
1,2-Dichloropropane	ND		10000	5000	ug/L			01/29/21 16:00	10000
1,3-Dichloropropane	ND		10000	5000	ug/L			01/29/21 16:00	10000
2,2-Dichloropropane	ND		10000	5000	ug/L			01/29/21 16:00	10000
1,1-Dichloropropene	ND		10000	5000	ug/L			01/29/21 16:00	10000
Ethylbenzene	ND		10000	5000	ug/L			01/29/21 16:00	10000
Ethyl methacrylate	ND		10000	6000	ug/L			01/29/21 16:00	10000
Hexachlorobutadiene	ND		50000	9000	ug/L			01/29/21 16:00	10000
2-Hexanone	ND		250000	31000	ug/L			01/29/21 16:00	10000
Isopropylbenzene	ND		10000	5300	ug/L			01/29/21 16:00	10000
Methylene bromide	ND		50000	5900	ug/L			01/29/21 16:00	10000
Methylene Chloride	ND		50000	30000	ug/L			01/29/21 16:00	10000
4-Methyl-2-pentanone (MIBK)	ND		250000	18000	ug/L			01/29/21 16:00	10000
Methyl tert-butyl ether	ND		10000	7400	ug/L			01/29/21 16:00	10000
m-Xylene & p-Xylene	ND		50000	16000	ug/L			01/29/21 16:00	10000
Naphthalene	ND		10000	10000	ug/L			01/29/21 16:00	10000
n-Butylbenzene	ND	*+	10000	7600	ug/L			01/29/21 16:00	10000
N-Propylbenzene	ND		10000	6900	ug/L			01/29/21 16:00	10000
o-Chlorotoluene	ND		10000	5700	ug/L			01/29/21 16:00	10000
o-Xylene	ND		50000	6000	ug/L			01/29/21 16:00	10000
p-Chlorotoluene	ND		10000	5600	ug/L			01/29/21 16:00	10000
p-Isopropyltoluene	ND		10000	7100	ug/L			01/29/21 16:00	10000

Client Sample ID: MW7-ROX-011821-DUP
Date Collected: 01/18/21 12:55
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		10000	7000	ug/L			01/29/21 16:00	10000
Styrene	ND		10000	10000	ug/L			01/29/21 16:00	10000
tert-Butylbenzene	ND		10000	6300	ug/L			01/29/21 16:00	10000
1,1,1,2-Tetrachloroethane	ND		10000	5200	ug/L			01/29/21 16:00	10000
1,1,2,2-Tetrachloroethane	ND		10000	5000	ug/L			01/29/21 16:00	10000
Tetrachloroethene	ND		10000	5800	ug/L			01/29/21 16:00	10000
Toluene	ND		10000	4100	ug/L			01/29/21 16:00	10000
trans-1,2-Dichloroethene	ND		10000	5000	ug/L			01/29/21 16:00	10000
trans-1,3-Dichloropropene	ND		50000	5000	ug/L			01/29/21 16:00	10000
1,2,3-Trichlorobenzene	ND		10000	7000	ug/L			01/29/21 16:00	10000
1,2,4-Trichlorobenzene	ND		10000	8200	ug/L			01/29/21 16:00	10000
1,1,1-Trichloroethane	ND		10000	5000	ug/L			01/29/21 16:00	10000
1,1,2-Trichloroethane	ND		50000	5000	ug/L			01/29/21 16:00	10000
Trichloroethene	ND		10000	5000	ug/L			01/29/21 16:00	10000
Trichlorofluoromethane	ND		10000	5200	ug/L			01/29/21 16:00	10000
1,2,3-Trichloropropane	ND		50000	8400	ug/L			01/29/21 16:00	10000
1,2,4-Trimethylbenzene	ND		10000	8200	ug/L			01/29/21 16:00	10000
1,3,5-Trimethylbenzene	ND		10000	5600	ug/L			01/29/21 16:00	10000
Vinyl acetate	ND		250000	20000	ug/L			01/29/21 16:00	10000
Vinyl chloride	ND		10000	5000	ug/L			01/29/21 16:00	10000
Xylenes, Total	ND		100000	16000	ug/L			01/29/21 16:00	10000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*01/29/21 16:00*	*10000*
Dibromofluoromethane	*102*		*81 - 121*		*01/29/21 16:00*	*10000*
Toluene-d8 (Surr)	*105*		*80 - 120*		*01/29/21 16:00*	*10000*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.75	0.12	ug/L		01/20/21 14:09	01/25/21 17:30	1
Acenaphthylene	ND		0.75	0.17	ug/L		01/20/21 14:09	01/25/21 17:30	1
Anthracene	ND		0.75	0.12	ug/L		01/20/21 14:09	01/25/21 17:30	1
Benzo[a]anthracene	ND		0.75	0.17	ug/L		01/20/21 14:09	01/25/21 17:30	1
Benzo[a]pyrene	ND		0.75	0.16	ug/L		01/20/21 14:09	01/25/21 17:30	1
Benzo[b]fluoranthene	ND		0.75	0.25	ug/L		01/20/21 14:09	01/25/21 17:30	1
Benzo[g,h,i]perylene	ND		0.75	0.48	ug/L		01/20/21 14:09	01/25/21 17:30	1
Benzo[k]fluoranthene	ND		0.75	0.37	ug/L		01/20/21 14:09	01/25/21 17:30	1
Chrysene	ND		0.75	0.28	ug/L		01/20/21 14:09	01/25/21 17:30	1
Dibenz(a,h)anthracene	ND		0.75	0.17	ug/L		01/20/21 14:09	01/25/21 17:30	1
Fluoranthene	ND		0.75	0.25	ug/L		01/20/21 14:09	01/25/21 17:30	1
Fluorene	ND		0.75	0.41	ug/L		01/20/21 14:09	01/25/21 17:30	1
Indeno[1,2,3-cd]pyrene	ND		0.75	0.45	ug/L		01/20/21 14:09	01/25/21 17:30	1
Phenanthrene	ND		0.75	0.13	ug/L		01/20/21 14:09	01/25/21 17:30	1
Pyrene	ND		0.75	0.15	ug/L		01/20/21 14:09	01/25/21 17:30	1
1-Methylnaphthalene	**1.2**		0.75	0.28	ug/L		01/20/21 14:09	01/25/21 17:30	1
2-Methylnaphthalene	**1.8**		0.75	0.22	ug/L		01/20/21 14:09	01/25/21 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*46*		*33 - 138*	*01/20/21 14:09*	*01/25/21 17:30*	*1*
2-Fluorobiphenyl	*66*		*15 - 122*	*01/20/21 14:09*	*01/25/21 17:30*	*1*

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Client Sample ID: MW7-ROX-011821-DUP
Date Collected: 01/18/21 12:55
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-9
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	80		19 - 130	01/20/21 14:09	01/25/21 17:30	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.3	3.5	ug/L		01/20/21 14:09	01/25/21 19:56	1
Benzenethiol	ND	UJ	9.3	1.6	ug/L		01/20/21 14:09	01/27/21 18:21	1
Benzoic acid	ND		28	6.8	ug/L		01/20/21 14:09	01/25/21 19:56	1
Benzyl alcohol	ND		9.3	1.9	ug/L		01/20/21 14:09	01/25/21 19:56	1
Bis(2-chloroethoxy)methane	ND		9.3	0.15	ug/L		01/20/21 14:09	01/25/21 19:56	1
Bis(2-chloroethyl)ether	ND		9.3	2.5	ug/L		01/20/21 14:09	01/25/21 19:56	1
bis (2-chloroisopropyl) ether	ND		9.3	0.15	ug/L		01/20/21 14:09	01/25/21 19:56	1
Bis(2-ethylhexyl) phthalate	16	B	9.3	4.7	ug/L		01/20/21 14:09	01/25/21 19:56	1
4-Bromophenyl phenyl ether	ND		9.3	0.19	ug/L		01/20/21 14:09	01/25/21 19:56	1
Butyl benzyl phthalate	ND		9.3	0.18	ug/L		01/20/21 14:09	01/25/21 19:56	1
4-Chloroaniline	ND		9.3	3.2	ug/L		01/20/21 14:09	01/25/21 19:56	1
4-Chloro-3-methylphenol	ND		9.3	3.5	ug/L		01/20/21 14:09	01/25/21 19:56	1
2-Chloronaphthalene	ND		9.3	0.13	ug/L		01/20/21 14:09	01/25/21 19:56	1
2-Chlorophenol	ND		9.3	2.0	ug/L		01/20/21 14:09	01/25/21 19:56	1
4-Chlorophenyl phenyl ether	ND		9.3	1.9	ug/L		01/20/21 14:09	01/25/21 19:56	1
Dibenz[a,h]acridine	ND		9.3	0.93	ug/L		01/20/21 14:09	01/25/21 19:56	1
Dibenzofuran	ND		9.3	0.16	ug/L		01/20/21 14:09	01/25/21 19:56	1
3,3'-Dichlorobenzidine	ND		9.3	2.4	ug/L		01/20/21 14:09	01/25/21 19:56	1
2,4-Dichlorophenol	ND		9.3	2.8	ug/L		01/20/21 14:09	01/25/21 19:56	1
Diethyl phthalate	ND		9.3	0.22	ug/L		01/20/21 14:09	01/25/21 19:56	1
2,4-Dimethylphenol	ND		9.3	3.3	ug/L		01/20/21 14:09	01/25/21 19:56	1
Dimethyl phthalate	ND		9.3	0.16	ug/L		01/20/21 14:09	01/25/21 19:56	1
Di-n-butyl phthalate	ND		9.3	2.5	ug/L		01/20/21 14:09	01/25/21 19:56	1
4,6-Dinitro-ortho-cresol	ND		9.3	1.5	ug/L		01/20/21 14:09	01/25/21 19:56	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		01/20/21 14:09	01/25/21 19:56	1
2,4-Dinitrotoluene	ND		9.3	1.8	ug/L		01/20/21 14:09	01/25/21 19:56	1
2,6-Dinitrotoluene	ND		9.3	1.8	ug/L		01/20/21 14:09	01/25/21 19:56	1
Di-n-octyl phthalate	ND		9.3	0.16	ug/L		01/20/21 14:09	01/25/21 19:56	1
1,4-Dioxane	ND		9.3	0.93	ug/L		01/20/21 14:09	01/25/21 19:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.3	0.93	ug/L		01/20/21 14:09	01/25/21 19:56	1
Hexachlorobenzene	ND		9.3	0.16	ug/L		01/20/21 14:09	01/25/21 19:56	1
Hexachlorocyclopentadiene	ND		19	2.4	ug/L		01/20/21 14:09	01/25/21 19:56	1
Hexachloroethane	ND		9.3	3.9	ug/L		01/20/21 14:09	01/25/21 19:56	1
Indene	ND		9.3	0.93	ug/L		01/20/21 14:09	01/25/21 19:56	1
Isophorone	ND		9.3	0.13	ug/L		01/20/21 14:09	01/25/21 19:56	1
2-Methylphenol	ND		9.3	1.7	ug/L		01/20/21 14:09	01/25/21 19:56	1
3 & 4 Methylphenol	0.73	J	19	0.36	ug/L		01/20/21 14:09	01/25/21 19:56	1
2-Nitroaniline	ND		9.3	2.0	ug/L		01/20/21 14:09	01/25/21 19:56	1
3-Nitroaniline	ND		9.3	1.7	ug/L		01/20/21 14:09	01/25/21 19:56	1
4-Nitroaniline	ND		9.3	1.4	ug/L		01/20/21 14:09	01/25/21 19:56	1
Nitrobenzene	ND		9.3	0.12	ug/L		01/20/21 14:09	01/25/21 19:56	1
2-Nitrophenol	ND		9.3	4.8	ug/L		01/20/21 14:09	01/25/21 19:56	1
4-Nitrophenol	ND		9.3	2.0	ug/L		01/20/21 14:09	01/26/21 20:37	1
N-Nitrosodimethylamine	ND		9.3	3.3	ug/L		01/20/21 14:09	01/25/21 19:56	1

Client Sample ID: MW7-ROX-011821-DUP
Date Collected: 01/18/21 12:55
Date Received: 01/19/21 10:10

Lab Sample ID: 400-198340-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		9.3	3.1	ug/L		01/20/21 14:09	01/25/21 19:56	1
N-Nitrosodiphenylamine	ND		9.3	0.17	ug/L		01/20/21 14:09	01/25/21 19:56	1
Pentachlorophenol	ND		19	1.3	ug/L		01/20/21 14:09	01/25/21 19:56	1
Phenol	70		9.3	2.4	ug/L		01/20/21 14:09	01/25/21 19:56	1
Pyridine	ND		9.3	3.0	ug/L		01/20/21 14:09	01/25/21 19:56	1
Quinoline	ND		9.3	4.2	ug/L		01/20/21 14:09	01/25/21 19:56	1
2,4,5-Trichlorophenol	ND		9.3	3.4	ug/L		01/20/21 14:09	01/25/21 19:56	1
2,4,6-Trichlorophenol	ND		9.3	3.3	ug/L		01/20/21 14:09	01/25/21 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*46 - 124*	*01/20/21 14:09*	*01/26/21 20:37*	*1*
2-Fluorobiphenyl	*45*	*S1-*	*46 - 124*	*01/20/21 14:09*	*01/27/21 18:21*	*1*
2-Fluorophenol	*42*		*13 - 113*	*01/20/21 14:09*	*01/26/21 20:37*	*1*
2-Fluorophenol	*30*		*13 - 113*	*01/20/21 14:09*	*01/27/21 18:21*	*1*
Nitrobenzene-d5	*80*		*36 - 126*	*01/20/21 14:09*	*01/26/21 20:37*	*1*
Nitrobenzene-d5	*62*		*36 - 126*	*01/20/21 14:09*	*01/27/21 18:21*	*1*
Phenol-d5	*64*		*17 - 127*	*01/20/21 14:09*	*01/26/21 20:37*	*1*
Phenol-d5	*50*		*17 - 127*	*01/20/21 14:09*	*01/27/21 18:21*	*1*
Terphenyl-d14	*54*		*44 - 149*	*01/20/21 14:09*	*01/26/21 20:37*	*1*
Terphenyl-d14	*27*	*S1-*	*44 - 149*	*01/20/21 14:09*	*01/27/21 18:21*	*1*
2,4,6-Tribromophenol	*86*		*26 - 150*	*01/20/21 14:09*	*01/26/21 20:37*	*1*
2,4,6-Tribromophenol	*54*		*26 - 150*	*01/20/21 14:09*	*01/27/21 18:21*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND	H	9.4	4.7	ug/L		01/27/21 15:04	01/28/21 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*118*		*46 - 124*	*01/27/21 15:04*	*01/28/21 20:58*	*1*
2-Fluorophenol	*56*		*13 - 113*	*01/27/21 15:04*	*01/28/21 20:58*	*1*
Nitrobenzene-d5	*74*		*36 - 126*	*01/27/21 15:04*	*01/28/21 20:58*	*1*
Phenol-d5	*65*		*17 - 127*	*01/27/21 15:04*	*01/28/21 20:58*	*1*
Terphenyl-d14	*115*		*44 - 149*	*01/27/21 15:04*	*01/28/21 20:58*	*1*
2,4,6-Tribromophenol	*182*	*S1+*	*26 - 150*	*01/27/21 15:04*	*01/28/21 20:58*	*1*

Method: 8011 - EDB and DBCP in Water by Microextraction

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.031	0.0056	ug/L		01/28/21 13:47	01/28/21 17:56	1
1,2-Dibromoethane	ND		0.021	0.0051	ug/L		01/28/21 13:47	01/28/21 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*	*p*	*51 - 149*	*01/28/21 13:47*	*01/28/21 17:56*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-118)	(81-121)	(80-120)
400-198340-2	TB-ROX-011821-8260	91	100	106
400-198340-3	MW4-ROX-011821-EB	98	101	109
400-198340-4	MW4-ROX-011821	100	100	106
400-198340-5	MW25-ROX-011821	99	99	106
400-198340-6	MW25-ROX-011821-DUP	99	101	107
400-198340-7	MW8-ROX-011821	96	100	106
400-198340-8	MW7-ROX-011821	98	102	106
400-198340-9	MW7-ROX-011821-DUP	98	102	105
LCS 400-518724/1002	Lab Control Sample	98	98	102
LCS 400-518873/1002	Lab Control Sample	91	102	103
MB 400-518724/5	Method Blank	101	100	103
MB 400-518873/5	Method Blank	92	103	108

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(46-124)	(13-113)	(36-126)	(17-127)	(44-149)	(26-150)
400-198340-3	MW4-ROX-011821-EB	51	20	65	50	57	44
400-198340-4	MW4-ROX-011821	53	32	66	61	51	56
400-198340-5	MW25-ROX-011821	54	38	67	58	49	55
400-198340-6	MW25-ROX-011821-DUP	53	39	67	60	46	59
400-198340-6 - RERA	MW25-ROX-011821-DUP	107	30	65	40	105	149
400-198340-7	MW8-ROX-011821	53	35	65	63	34 S1-	58
400-198340-7 - RERA	MW8-ROX-011821	124	34	75	50	124	175 S1+
400-198340-8	MW7-ROX-011821	48	39	65	60	31 S1-	60
400-198340-9	MW7-ROX-011821-DUP	68	42	80	64	54	86
400-198340-9	MW7-ROX-011821-DUP	45 S1-	30	62	50	27 S1-	54
400-198340-9 - RERA	MW7-ROX-011821-DUP	118	56	74	65	115	182 S1+
LCS 400-517999/2-A	Lab Control Sample	75	46	58	66	56	75
LCS 400-517999/4-A	Lab Control Sample	54	14	58	35	54	42
LCS 400-518677/2-A	Lab Control Sample	100	53	82	64	112	167 S1+
LCSD 400-517999/3-A	Lab Control Sample Dup	65	31	52	57	48	68
LCSD 400-517999/5-A	Lab Control Sample Dup	47	17	52	33	47	39
LCSD 400-518677/3-A	Lab Control Sample Dup	109	39	84	56	118	164 S1+
MB 400-517999/1-A	Method Blank	64	17	64	50	60	52
MB 400-518677/1-A	Method Blank	112	47	72	61	118	163 S1+

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		TPHL	FBP	NBZ
Lab Sample ID	Client Sample ID	(33-138)	(15-122)	(19-130)
400-198340-3	MW4-ROX-011821-EB	76	62	64
400-198340-4	MW4-ROX-011821	70	65	71
400-198340-5	MW25-ROX-011821	67	67	74
400-198340-6	MW25-ROX-011821-DUP	64	66	73
400-198340-7	MW8-ROX-011821	46	63	53
400-198340-8	MW7-ROX-011821	44	62	63
400-198340-9	MW7-ROX-011821-DUP	46	66	80
LCS 400-517999/2-A	Lab Control Sample	92	88	83
LCSD 400-517999/3-A	Lab Control Sample Dup	81	79	75
MB 400-517999/1-A	Method Blank	71	58	66

Surrogate Legend

TPHL = Terphenyl-d14
FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5

Method: 8011 - EDB and DBCP in Water by Microextraction

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		BFB2
Lab Sample ID	Client Sample ID	(51-149)
400-198340-1	TB-ROX-011821-8011	92 p
400-198340-3	MW4-ROX-011821-EB	96 p
400-198340-4	MW4-ROX-011821	87 p
400-198340-5	MW25-ROX-011821	88 p
400-198340-6	MW25-ROX-011821-DUP	83 p
400-198340-7	MW8-ROX-011821	84 p
400-198340-8	MW7-ROX-011821	87 p
400-198340-9	MW7-ROX-011821-DUP	90 p
LCS 400-518215/2-A	Lab Control Sample	99
LCS 400-518811/2-A	Lab Control Sample	92
LCSD 400-518215/3-A	Lab Control Sample Dup	93
LCSD 400-518811/3-A	Lab Control Sample Dup	96
MB 400-518215/1-A	Method Blank	95
MB 400-518811/1-A	Method Blank	94

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
8011	EDB and DBCP in Water by Microextraction	EPA	TAL PEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL PEN
5030B	Purge and Trap	SW846	TAL PEN
8011	Microextraction	SW846	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Client Sample ID: TB-ROX-011821-8011

Lab Sample ID: 400-198340-1

Date Collected: 01/18/21 00:00
Matrix: Water
Date Received: 01/19/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.2 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 23:00	DS	TAL PEN

Client Sample ID: TB-ROX-011821-8260

Lab Sample ID: 400-198340-2

Date Collected: 01/18/21 00:00
Matrix: Water
Date Received: 01/19/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518873	01/29/21 11:10	AMB	TAL PEN

Client Sample ID: MW4-ROX-011821-EB

Lab Sample ID: 400-198340-3

Date Collected: 01/18/21 08:30
Matrix: Water
Date Received: 01/19/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518724	01/28/21 23:30	AMB	TAL PEN
Total/NA	Prep	3520C			266.4 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518361	01/25/21 17:48	S1B	TAL PEN
Total/NA	Prep	3520C			266.4 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518597	01/27/21 16:14	S1B	TAL PEN
Total/NA	Prep	3520C			266.4 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			518383	01/25/21 15:56	PP1	TAL PEN
Total/NA	Prep	8011			34.5 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 22:01	DS	TAL PEN

Client Sample ID: MW4-ROX-011821

Lab Sample ID: 400-198340-4

Date Collected: 01/18/21 09:50
Matrix: Water
Date Received: 01/19/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518724	01/28/21 23:57	AMB	TAL PEN
Total/NA	Prep	3520C			263.8 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518361	01/25/21 18:09	S1B	TAL PEN
Total/NA	Prep	3520C			263.8 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518597	01/27/21 16:35	S1B	TAL PEN
Total/NA	Prep	3520C			263.8 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			518383	01/25/21 16:12	PP1	TAL PEN
Total/NA	Prep	8011			34.7 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 22:21	DS	TAL PEN

Client Sample ID: MW25-ROX-011821

Lab Sample ID: 400-198340-5

Date Collected: 01/18/21 10:35
Matrix: Water
Date Received: 01/19/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518724	01/29/21 00:23	AMB	TAL PEN
Total/NA	Prep	3520C			257.6 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518361	01/25/21 18:31	S1B	TAL PEN
Total/NA	Prep	3520C			257.6 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518597	01/27/21 16:56	S1B	TAL PEN
Total/NA	Prep	3520C			257.6 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			518383	01/25/21 16:27	PP1	TAL PEN
Total/NA	Prep	8011			34.5 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 22:41	DS	TAL PEN

Client Sample ID: MW25-ROX-011821-DUP

Lab Sample ID: 400-198340-6

Date Collected: 01/18/21 10:35
Matrix: Water
Date Received: 01/19/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518724	01/29/21 00:49	AMB	TAL PEN
Total/NA	Prep	3520C			259.8 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518361	01/25/21 18:52	S1B	TAL PEN
Total/NA	Prep	3520C			259.8 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518597	01/27/21 17:18	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		262.4 mL	1 mL	518677	01/27/21 15:04	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			518805	01/28/21 20:07	S1B	TAL PEN
Total/NA	Prep	3520C			259.8 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			518383	01/25/21 16:43	PP1	TAL PEN
Total/NA	Prep	8011			33.9 mL	35 mL	518811	01/28/21 13:47	DS	TAL PEN
Total/NA	Analysis	8011		1			518826	01/28/21 16:57	DS	TAL PEN

Client Sample ID: MW8-ROX-011821

Lab Sample ID: 400-198340-7

Date Collected: 01/18/21 11:50
Matrix: Water
Date Received: 01/19/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		100	5 mL	5 mL	518873	01/29/21 12:29	AMB	TAL PEN
Total/NA	Prep	3520C			265.2 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518361	01/25/21 19:13	S1B	TAL PEN
Total/NA	Prep	3520C			265.2 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518597	01/27/21 17:39	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		261.8 mL	1 mL	518677	01/27/21 15:04	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			518805	01/28/21 20:33	S1B	TAL PEN
Total/NA	Prep	3520C			265.2 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			518383	01/25/21 16:58	PP1	TAL PEN
Total/NA	Prep	8011			35.1 mL	35 mL	518811	01/28/21 13:47	DS	TAL PEN
Total/NA	Analysis	8011		1			518826	01/28/21 17:17	DS	TAL PEN

Client Sample ID: MW7-ROX-011821

Lab Sample ID: 400-198340-8

Date Collected: 01/18/21 12:55
Matrix: Water
Date Received: 01/19/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10000	5 mL	5 mL	518873	01/29/21 15:34	AMB	TAL PEN
Total/NA	Prep	3520C			261.8 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518361	01/25/21 19:34	S1B	TAL PEN
Total/NA	Prep	3520C			261.8 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518597	01/27/21 18:00	S1B	TAL PEN
Total/NA	Prep	3520C			261.8 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			518383	01/25/21 17:14	PP1	TAL PEN
Total/NA	Prep	8011			33.7 mL	35 mL	518811	01/28/21 13:47	DS	TAL PEN
Total/NA	Analysis	8011		1			518826	01/28/21 17:37	DS	TAL PEN

Client Sample ID: MW7-ROX-011821-DUP

Lab Sample ID: 400-198340-9

Date Collected: 01/18/21 12:55
Matrix: Water
Date Received: 01/19/21 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10000	5 mL	5 mL	518873	01/29/21 16:00	AMB	TAL PEN
Total/NA	Prep	3520C			268.4 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518516	01/26/21 20:37	S1B	TAL PEN
Total/NA	Prep	3520C			268.4 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518361	01/25/21 19:56	S1B	TAL PEN
Total/NA	Prep	3520C			268.4 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518597	01/27/21 18:21	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		265.6 mL	1 mL	518677	01/27/21 15:04	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			518805	01/28/21 20:58	S1B	TAL PEN
Total/NA	Prep	3520C			268.4 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			518383	01/25/21 17:30	PP1	TAL PEN
Total/NA	Prep	8011			34.1 mL	35 mL	518811	01/28/21 13:47	DS	TAL PEN
Total/NA	Analysis	8011		1			518826	01/28/21 17:56	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-517999/1-A

Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518361	01/25/21 14:58	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D LL		1			518383	01/25/21 15:09	PP1	TAL PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-518215/1-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 15:07	DS	TAL PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-518677/1-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	518677	01/27/21 15:04	KWS	TAL PEN
Total/NA	Analysis	8270D		1			518805	01/28/21 18:51	S1B	TAL PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-518724/5**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518724	01/28/21 16:28	AMB	TAL PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-518811/1-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	518811	01/28/21 13:47	DS	TAL PEN
Total/NA	Analysis	8011		1			518826	01/28/21 15:59	DS	TAL PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-518873/5**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518873	01/29/21 10:43	AMB	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-517999/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518361	01/25/21 15:19	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D LL		5			518383	01/25/21 15:25	PP1	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-517999/4-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518361	01/25/21 16:02	S1B	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-518215/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 15:27	DS	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-518677/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	518677	01/27/21 15:04	KWS	TAL PEN
Total/NA	Analysis	8270D		1			518805	01/28/21 19:16	S1B	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-518724/1002**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518724	01/28/21 15:28	AMB	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-518811/2-A**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	518811	01/28/21 13:47	DS	TAL PEN
Total/NA	Analysis	8011		1			518826	01/28/21 16:18	DS	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-518873/1002**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	518873	01/29/21 09:45	AMB	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-517999/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518361	01/25/21 15:41	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D LL		5			518383	01/25/21 15:40	PP1	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-517999/5-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	517999	01/20/21 14:09	NTH	TAL PEN
Total/NA	Analysis	8270D		1			518361	01/25/21 16:23	S1B	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-518215/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	518215	01/22/21 12:09	DS	TAL PEN
Total/NA	Analysis	8011		1			518231	01/22/21 15:47	DS	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-518677/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			250 mL	1 mL	518677	01/27/21 15:04	KWS	TAL PEN
Total/NA	Analysis	8270D		1			518805	01/28/21 19:42	S1B	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-518811/3-A
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35 mL	35 mL	518811	01/28/21 13:47	DS	TAL PEN
Total/NA	Analysis	8011		1			518826	01/28/21 16:38	DS	TAL PEN

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 518724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198340-3	MW4-ROX-011821-EB	Total/NA	Water	8260B	
400-198340-4	MW4-ROX-011821	Total/NA	Water	8260B	
400-198340-5	MW25-ROX-011821	Total/NA	Water	8260B	
400-198340-6	MW25-ROX-011821-DUP	Total/NA	Water	8260B	
MB 400-518724/5	Method Blank	Total/NA	Water	8260B	
LCS 400-518724/1002	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 518873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198340-2	TB-ROX-011821-8260	Total/NA	Water	8260B	
400-198340-7	MW8-ROX-011821	Total/NA	Water	8260B	
400-198340-8	MW7-ROX-011821	Total/NA	Water	8260B	
400-198340-9	MW7-ROX-011821-DUP	Total/NA	Water	8260B	
MB 400-518873/5	Method Blank	Total/NA	Water	8260B	
LCS 400-518873/1002	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 517999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198340-3	MW4-ROX-011821-EB	Total/NA	Water	3520C	
400-198340-4	MW4-ROX-011821	Total/NA	Water	3520C	
400-198340-5	MW25-ROX-011821	Total/NA	Water	3520C	
400-198340-6	MW25-ROX-011821-DUP	Total/NA	Water	3520C	
400-198340-7	MW8-ROX-011821	Total/NA	Water	3520C	
400-198340-8	MW7-ROX-011821	Total/NA	Water	3520C	
400-198340-9	MW7-ROX-011821-DUP	Total/NA	Water	3520C	
MB 400-517999/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-517999/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-517999/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-517999/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-517999/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 518361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198340-3	MW4-ROX-011821-EB	Total/NA	Water	8270D	517999
400-198340-4	MW4-ROX-011821	Total/NA	Water	8270D	517999
400-198340-5	MW25-ROX-011821	Total/NA	Water	8270D	517999
400-198340-6	MW25-ROX-011821-DUP	Total/NA	Water	8270D	517999
400-198340-7	MW8-ROX-011821	Total/NA	Water	8270D	517999
400-198340-8	MW7-ROX-011821	Total/NA	Water	8270D	517999
400-198340-9	MW7-ROX-011821-DUP	Total/NA	Water	8270D	517999
MB 400-517999/1-A	Method Blank	Total/NA	Water	8270D	517999
LCS 400-517999/2-A	Lab Control Sample	Total/NA	Water	8270D	517999
LCS 400-517999/4-A	Lab Control Sample	Total/NA	Water	8270D	517999
LCSD 400-517999/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	517999
LCSD 400-517999/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	517999

Analysis Batch: 518383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198340-3	MW4-ROX-011821-EB	Total/NA	Water	8270D LL	517999

GC/MS Semi VOA (Continued)

Analysis Batch: 518383 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198340-4	MW4-ROX-011821	Total/NA	Water	8270D LL	517999
400-198340-5	MW25-ROX-011821	Total/NA	Water	8270D LL	517999
400-198340-6	MW25-ROX-011821-DUP	Total/NA	Water	8270D LL	517999
400-198340-7	MW8-ROX-011821	Total/NA	Water	8270D LL	517999
400-198340-8	MW7-ROX-011821	Total/NA	Water	8270D LL	517999
400-198340-9	MW7-ROX-011821-DUP	Total/NA	Water	8270D LL	517999
MB 400-517999/1-A	Method Blank	Total/NA	Water	8270D LL	517999
LCS 400-517999/2-A	Lab Control Sample	Total/NA	Water	8270D LL	517999
LCSD 400-517999/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	517999

Analysis Batch: 518516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198340-9	MW7-ROX-011821-DUP	Total/NA	Water	8270D	517999

Analysis Batch: 518597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198340-3	MW4-ROX-011821-EB	Total/NA	Water	8270D	517999
400-198340-4	MW4-ROX-011821	Total/NA	Water	8270D	517999
400-198340-5	MW25-ROX-011821	Total/NA	Water	8270D	517999
400-198340-6	MW25-ROX-011821-DUP	Total/NA	Water	8270D	517999
400-198340-7	MW8-ROX-011821	Total/NA	Water	8270D	517999
400-198340-8	MW7-ROX-011821	Total/NA	Water	8270D	517999
400-198340-9	MW7-ROX-011821-DUP	Total/NA	Water	8270D	517999

Prep Batch: 518677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198340-6 - RERA	MW25-ROX-011821-DUP	Total/NA	Water	3520C	
400-198340-7 - RERA	MW8-ROX-011821	Total/NA	Water	3520C	
400-198340-9 - RERA	MW7-ROX-011821-DUP	Total/NA	Water	3520C	
MB 400-518677/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-518677/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-518677/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 518805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198340-6 - RERA	MW25-ROX-011821-DUP	Total/NA	Water	8270D	518677
400-198340-7 - RERA	MW8-ROX-011821	Total/NA	Water	8270D	518677
400-198340-9 - RERA	MW7-ROX-011821-DUP	Total/NA	Water	8270D	518677
MB 400-518677/1-A	Method Blank	Total/NA	Water	8270D	518677
LCS 400-518677/2-A	Lab Control Sample	Total/NA	Water	8270D	518677
LCSD 400-518677/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	518677

GC Semi VOA

Prep Batch: 518215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198340-1	TB-ROX-011821-8011	Total/NA	Water	8011	
400-198340-3	MW4-ROX-011821-EB	Total/NA	Water	8011	
400-198340-4	MW4-ROX-011821	Total/NA	Water	8011	
400-198340-5	MW25-ROX-011821	Total/NA	Water	8011	
MB 400-518215/1-A	Method Blank	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 518215 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-518215/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-518215/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 518231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198340-1	TB-ROX-011821-8011	Total/NA	Water	8011	518215
400-198340-3	MW4-ROX-011821-EB	Total/NA	Water	8011	518215
400-198340-4	MW4-ROX-011821	Total/NA	Water	8011	518215
400-198340-5	MW25-ROX-011821	Total/NA	Water	8011	518215
MB 400-518215/1-A	Method Blank	Total/NA	Water	8011	518215
LCS 400-518215/2-A	Lab Control Sample	Total/NA	Water	8011	518215
LCSD 400-518215/3-A	Lab Control Sample Dup	Total/NA	Water	8011	518215

Prep Batch: 518811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198340-6	MW25-ROX-011821-DUP	Total/NA	Water	8011	
400-198340-7	MW8-ROX-011821	Total/NA	Water	8011	
400-198340-8	MW7-ROX-011821	Total/NA	Water	8011	
400-198340-9	MW7-ROX-011821-DUP	Total/NA	Water	8011	
MB 400-518811/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-518811/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-518811/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 518826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-198340-6	MW25-ROX-011821-DUP	Total/NA	Water	8011	518811
400-198340-7	MW8-ROX-011821	Total/NA	Water	8011	518811
400-198340-8	MW7-ROX-011821	Total/NA	Water	8011	518811
400-198340-9	MW7-ROX-011821-DUP	Total/NA	Water	8011	518811
MB 400-518811/1-A	Method Blank	Total/NA	Water	8011	518811
LCS 400-518811/2-A	Lab Control Sample	Total/NA	Water	8011	518811
LCSD 400-518811/3-A	Lab Control Sample Dup	Total/NA	Water	8011	518811

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-518724/5
Matrix: Water
Analysis Batch: 518724

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/28/21 16:28	1
Acrolein	ND		20	10	ug/L			01/28/21 16:28	1
Acrylonitrile	ND		10	2.8	ug/L			01/28/21 16:28	1
Benzene	ND		1.0	0.38	ug/L			01/28/21 16:28	1
Bromobenzene	ND		1.0	0.54	ug/L			01/28/21 16:28	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/28/21 16:28	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/28/21 16:28	1
Bromoform	ND		5.0	0.71	ug/L			01/28/21 16:28	1
Bromomethane	ND		1.0	0.98	ug/L			01/28/21 16:28	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/28/21 16:28	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/28/21 16:28	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/28/21 16:28	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/28/21 16:28	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/28/21 16:28	1
Chloroethane	ND		1.0	0.76	ug/L			01/28/21 16:28	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/28/21 16:28	1
Chloroform	ND		1.0	0.60	ug/L			01/28/21 16:28	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/28/21 16:28	1
Chloromethane	ND		1.0	0.83	ug/L			01/28/21 16:28	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/28/21 16:28	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/28/21 16:28	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/28/21 16:28	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/28/21 16:28	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/28/21 16:28	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/28/21 16:28	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/28/21 16:28	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/28/21 16:28	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/28/21 16:28	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/28/21 16:28	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/28/21 16:28	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/28/21 16:28	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/28/21 16:28	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/28/21 16:28	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/28/21 16:28	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/28/21 16:28	1
2-Hexanone	ND		25	3.1	ug/L			01/28/21 16:28	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/28/21 16:28	1
Methylene bromide	ND		5.0	0.59	ug/L			01/28/21 16:28	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/28/21 16:28	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/28/21 16:28	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/28/21 16:28	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/28/21 16:28	1
Naphthalene	ND		1.0	1.0	ug/L			01/28/21 16:28	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/28/21 16:28	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/28/21 16:28	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/28/21 16:28	1
o-Xylene	ND		5.0	0.60	ug/L			01/28/21 16:28	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/28/21 16:28	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-518724/5
Matrix: Water
Analysis Batch: 518724

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/28/21 16:28	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/28/21 16:28	1
Styrene	ND		1.0	1.0	ug/L			01/28/21 16:28	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/28/21 16:28	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/28/21 16:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/28/21 16:28	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/28/21 16:28	1
Toluene	ND		1.0	0.41	ug/L			01/28/21 16:28	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/28/21 16:28	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/28/21 16:28	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/28/21 16:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/28/21 16:28	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/28/21 16:28	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/28/21 16:28	1
Trichloroethene	ND		1.0	0.50	ug/L			01/28/21 16:28	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/28/21 16:28	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/28/21 16:28	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/28/21 16:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/28/21 16:28	1
Vinyl acetate	ND		25	2.0	ug/L			01/28/21 16:28	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/28/21 16:28	1
Xylenes, Total	ND		10	1.6	ug/L			01/28/21 16:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*78 - 118*		*01/28/21 16:28*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*01/28/21 16:28*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*01/28/21 16:28*	*1*

Lab Sample ID: LCS 400-518724/1002
Matrix: Water
Analysis Batch: 518724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	161		ug/L		81	43 - 160
Acrolein	500	609		ug/L		122	38 - 160
Acrylonitrile	500	452		ug/L		90	64 - 142
Benzene	50.0	45.4		ug/L		91	70 - 130
Bromobenzene	50.0	51.0		ug/L		102	70 - 132
Bromochloromethane	50.0	46.0		ug/L		92	70 - 130
Bromodichloromethane	50.0	43.4		ug/L		87	67 - 133
Bromoform	50.0	47.9		ug/L		96	57 - 140
Bromomethane	50.0	43.3		ug/L		87	10 - 160
2-Butanone (MEK)	200	177		ug/L		88	61 - 145
Carbon disulfide	50.0	44.9		ug/L		90	61 - 137
Carbon tetrachloride	50.0	45.1		ug/L		90	61 - 137
Chlorobenzene	50.0	48.6		ug/L		97	70 - 130
Dibromochloromethane	50.0	46.7		ug/L		93	67 - 135
Chloroethane	50.0	51.2		ug/L		102	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-518724/1002
Matrix: Water
Analysis Batch: 518724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloroethyl vinyl ether	50.0	25.5		ug/L		51	10 - 160
Chloroform	50.0	43.0		ug/L		86	69 - 130
1-Chlorohexane	50.0	53.1		ug/L		106	69 - 130
Chloromethane	50.0	45.0		ug/L		90	58 - 137
cis-1,2-Dichloroethene	50.0	45.6		ug/L		91	68 - 130
cis-1,3-Dichloropropene	50.0	46.0		ug/L		92	69 - 132
1,2-Dichlorobenzene	50.0	50.3		ug/L		101	67 - 130
1,3-Dichlorobenzene	50.0	53.5		ug/L		107	70 - 130
1,4-Dichlorobenzene	50.0	50.7		ug/L		101	70 - 130
Dichlorodifluoromethane	50.0	45.6		ug/L		91	41 - 146
1,1-Dichloroethane	50.0	44.4		ug/L		89	70 - 130
1,2-Dichloroethane	50.0	41.5		ug/L		83	69 - 130
1,1-Dichloroethene	50.0	42.9		ug/L		86	63 - 134
1,2-Dichloropropane	50.0	44.0		ug/L		88	70 - 130
1,3-Dichloropropane	50.0	46.5		ug/L		93	70 - 130
2,2-Dichloropropane	50.0	44.3		ug/L		89	52 - 135
1,1-Dichloropropene	50.0	45.7		ug/L		91	70 - 130
Ethylbenzene	50.0	53.0		ug/L		106	70 - 130
Ethyl methacrylate	50.0	48.8		ug/L		98	68 - 130
Hexachlorobutadiene	50.0	60.1		ug/L		120	53 - 140
2-Hexanone	200	189		ug/L		94	65 - 137
Isopropylbenzene	50.0	56.1		ug/L		112	70 - 130
Methylene bromide	50.0	43.0		ug/L		86	70 - 130
Methylene Chloride	50.0	45.1		ug/L		90	66 - 135
4-Methyl-2-pentanone (MIBK)	200	179		ug/L		90	69 - 138
Methyl tert-butyl ether	50.0	44.7		ug/L		89	66 - 130
m-Xylene & p-Xylene	50.0	52.2		ug/L		104	70 - 130
Naphthalene	50.0	55.0		ug/L		110	47 - 149
n-Butylbenzene	50.0	68.4	*+	ug/L		137	67 - 130
N-Propylbenzene	50.0	56.4		ug/L		113	70 - 130
o-Chlorotoluene	50.0	53.0		ug/L		106	70 - 130
o-Xylene	50.0	52.7		ug/L		105	70 - 130
p-Chlorotoluene	50.0	53.5		ug/L		107	70 - 130
p-Isopropyltoluene	50.0	63.5		ug/L		127	65 - 130
sec-Butylbenzene	50.0	58.7		ug/L		117	66 - 130
Styrene	50.0	50.7		ug/L		101	70 - 130
tert-Butylbenzene	50.0	48.6		ug/L		97	64 - 139
1,1,1,2-Tetrachloroethane	50.0	47.3		ug/L		95	67 - 131
1,1,2,2-Tetrachloroethane	50.0	43.9		ug/L		88	70 - 131
Tetrachloroethene	50.0	48.4		ug/L		97	65 - 130
Toluene	50.0	49.4		ug/L		99	70 - 130
trans-1,2-Dichloroethene	50.0	44.9		ug/L		90	70 - 130
trans-1,3-Dichloropropene	50.0	48.5		ug/L		97	63 - 130
1,2,3-Trichlorobenzene	50.0	58.3		ug/L		117	60 - 138
1,2,4-Trichlorobenzene	50.0	60.8		ug/L		122	60 - 140
1,1,1-Trichloroethane	50.0	43.7		ug/L		87	68 - 130
1,1,2-Trichloroethane	50.0	46.0		ug/L		92	70 - 130
Trichloroethene	50.0	46.2		ug/L		92	70 - 130
Trichlorofluoromethane	50.0	45.7		ug/L		91	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-518724/1002
Matrix: Water
Analysis Batch: 518724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	50.0	45.3		ug/L		91	70 - 130
1,2,4-Trimethylbenzene	50.0	60.1		ug/L		120	70 - 130
1,3,5-Trimethylbenzene	50.0	56.4		ug/L		113	69 - 130
Vinyl acetate	100	95.2		ug/L		95	26 - 160
Vinyl chloride	50.0	52.1		ug/L		104	59 - 136
Xylenes, Total	100	105		ug/L		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*78 - 118*
Dibromofluoromethane	*98*		*81 - 121*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 400-518873/5
Matrix: Water
Analysis Batch: 518873

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	10	ug/L			01/29/21 10:43	1
Acrolein	ND		20	10	ug/L			01/29/21 10:43	1
Acrylonitrile	ND		10	2.8	ug/L			01/29/21 10:43	1
Benzene	ND		1.0	0.38	ug/L			01/29/21 10:43	1
Bromobenzene	ND		1.0	0.54	ug/L			01/29/21 10:43	1
Bromochloromethane	ND		1.0	0.52	ug/L			01/29/21 10:43	1
Bromodichloromethane	ND		1.0	0.50	ug/L			01/29/21 10:43	1
Bromoform	ND		5.0	0.71	ug/L			01/29/21 10:43	1
Bromomethane	ND		1.0	0.98	ug/L			01/29/21 10:43	1
2-Butanone (MEK)	ND		25	2.6	ug/L			01/29/21 10:43	1
Carbon disulfide	ND		1.0	0.50	ug/L			01/29/21 10:43	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			01/29/21 10:43	1
Chlorobenzene	ND		1.0	0.50	ug/L			01/29/21 10:43	1
Dibromochloromethane	ND		1.0	0.50	ug/L			01/29/21 10:43	1
Chloroethane	ND		1.0	0.76	ug/L			01/29/21 10:43	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			01/29/21 10:43	1
Chloroform	ND		1.0	0.60	ug/L			01/29/21 10:43	1
1-Chlorohexane	ND		1.0	0.70	ug/L			01/29/21 10:43	1
Chloromethane	ND		1.0	0.83	ug/L			01/29/21 10:43	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/29/21 10:43	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/29/21 10:43	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			01/29/21 10:43	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			01/29/21 10:43	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			01/29/21 10:43	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			01/29/21 10:43	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			01/29/21 10:43	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			01/29/21 10:43	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			01/29/21 10:43	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			01/29/21 10:43	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			01/29/21 10:43	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			01/29/21 10:43	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-518873/5
Matrix: Water
Analysis Batch: 518873

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		1.0	0.50	ug/L			01/29/21 10:43	1
Ethylbenzene	ND		1.0	0.50	ug/L			01/29/21 10:43	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			01/29/21 10:43	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			01/29/21 10:43	1
2-Hexanone	ND		25	3.1	ug/L			01/29/21 10:43	1
Isopropylbenzene	ND		1.0	0.53	ug/L			01/29/21 10:43	1
Methylene bromide	ND		5.0	0.59	ug/L			01/29/21 10:43	1
Methylene Chloride	ND		5.0	3.0	ug/L			01/29/21 10:43	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			01/29/21 10:43	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			01/29/21 10:43	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			01/29/21 10:43	1
Naphthalene	ND		1.0	1.0	ug/L			01/29/21 10:43	1
n-Butylbenzene	ND		1.0	0.76	ug/L			01/29/21 10:43	1
N-Propylbenzene	ND		1.0	0.69	ug/L			01/29/21 10:43	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			01/29/21 10:43	1
o-Xylene	ND		5.0	0.60	ug/L			01/29/21 10:43	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			01/29/21 10:43	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			01/29/21 10:43	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			01/29/21 10:43	1
Styrene	ND		1.0	1.0	ug/L			01/29/21 10:43	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			01/29/21 10:43	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			01/29/21 10:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			01/29/21 10:43	1
Tetrachloroethene	ND		1.0	0.58	ug/L			01/29/21 10:43	1
Toluene	ND		1.0	0.41	ug/L			01/29/21 10:43	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			01/29/21 10:43	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			01/29/21 10:43	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			01/29/21 10:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			01/29/21 10:43	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			01/29/21 10:43	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			01/29/21 10:43	1
Trichloroethene	ND		1.0	0.50	ug/L			01/29/21 10:43	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			01/29/21 10:43	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			01/29/21 10:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			01/29/21 10:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			01/29/21 10:43	1
Vinyl acetate	ND		25	2.0	ug/L			01/29/21 10:43	1
Vinyl chloride	ND		1.0	0.50	ug/L			01/29/21 10:43	1
Xylenes, Total	ND		10	1.6	ug/L			01/29/21 10:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*01/29/21 10:43*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*01/29/21 10:43*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*01/29/21 10:43*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-518873/1002
Matrix: Water
Analysis Batch: 518873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	198		ug/L		99	43 - 160
Acrolein	500	695		ug/L		139	38 - 160
Acrylonitrile	500	541		ug/L		108	64 - 142
Benzene	50.0	48.7		ug/L		97	70 - 130
Bromobenzene	50.0	50.8		ug/L		102	70 - 132
Bromochloromethane	50.0	50.6		ug/L		101	70 - 130
Bromodichloromethane	50.0	45.7		ug/L		91	67 - 133
Bromoform	50.0	46.6		ug/L		93	57 - 140
Bromomethane	50.0	42.9		ug/L		86	10 - 160
2-Butanone (MEK)	200	188		ug/L		94	61 - 145
Carbon disulfide	50.0	47.0		ug/L		94	61 - 137
Carbon tetrachloride	50.0	45.8		ug/L		92	61 - 137
Chlorobenzene	50.0	50.4		ug/L		101	70 - 130
Dibromochloromethane	50.0	46.5		ug/L		93	67 - 135
Chloroethane	50.0	57.9		ug/L		116	55 - 141
2-Chloroethyl vinyl ether	50.0	25.6		ug/L		51	10 - 160
Chloroform	50.0	46.5		ug/L		93	69 - 130
1-Chlorohexane	50.0	57.0		ug/L		114	69 - 130
Chloromethane	50.0	50.8		ug/L		102	58 - 137
cis-1,2-Dichloroethene	50.0	49.9		ug/L		100	68 - 130
cis-1,3-Dichloropropene	50.0	47.1		ug/L		94	69 - 132
1,2-Dichlorobenzene	50.0	51.7		ug/L		103	67 - 130
1,3-Dichlorobenzene	50.0	53.1		ug/L		106	70 - 130
1,4-Dichlorobenzene	50.0	51.2		ug/L		102	70 - 130
Dichlorodifluoromethane	50.0	48.4		ug/L		97	41 - 146
1,1-Dichloroethane	50.0	49.4		ug/L		99	70 - 130
1,2-Dichloroethane	50.0	45.8		ug/L		92	69 - 130
1,1-Dichloroethene	50.0	45.4		ug/L		91	63 - 134
1,2-Dichloropropane	50.0	49.2		ug/L		98	70 - 130
1,3-Dichloropropane	50.0	48.4		ug/L		97	70 - 130
2,2-Dichloropropane	50.0	46.8		ug/L		94	52 - 135
1,1-Dichloropropene	50.0	49.4		ug/L		99	70 - 130
Ethylbenzene	50.0	52.3		ug/L		105	70 - 130
Ethyl methacrylate	50.0	48.2		ug/L		96	68 - 130
Hexachlorobutadiene	50.0	58.8		ug/L		118	53 - 140
2-Hexanone	200	214		ug/L		107	65 - 137
Isopropylbenzene	50.0	55.1		ug/L		110	70 - 130
Methylene bromide	50.0	46.0		ug/L		92	70 - 130
Methylene Chloride	50.0	48.9		ug/L		98	66 - 135
4-Methyl-2-pentanone (MIBK)	200	209		ug/L		104	69 - 138
Methyl tert-butyl ether	50.0	45.7		ug/L		91	66 - 130
m-Xylene & p-Xylene	50.0	51.6		ug/L		103	70 - 130
Naphthalene	50.0	48.0		ug/L		96	47 - 149
n-Butylbenzene	50.0	69.1	*+	ug/L		138	67 - 130
N-Propylbenzene	50.0	56.0		ug/L		112	70 - 130
o-Chlorotoluene	50.0	53.4		ug/L		107	70 - 130
o-Xylene	50.0	52.3		ug/L		105	70 - 130
p-Chlorotoluene	50.0	53.0		ug/L		106	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-518873/1002
Matrix: Water
Analysis Batch: 518873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
p-Isopropyltoluene	50.0	62.6		ug/L		125	65 - 130
sec-Butylbenzene	50.0	58.2		ug/L		116	66 - 130
Styrene	50.0	51.0		ug/L		102	70 - 130
tert-Butylbenzene	50.0	47.9		ug/L		96	64 - 139
1,1,1,2-Tetrachloroethane	50.0	47.6		ug/L		95	67 - 131
1,1,2,2-Tetrachloroethane	50.0	47.5		ug/L		95	70 - 131
Tetrachloroethene	50.0	49.4		ug/L		99	65 - 130
Toluene	50.0	50.6		ug/L		101	70 - 130
trans-1,2-Dichloroethene	50.0	48.6		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	47.5		ug/L		95	63 - 130
1,2,3-Trichlorobenzene	50.0	53.7		ug/L		107	60 - 138
1,2,4-Trichlorobenzene	50.0	54.8		ug/L		110	60 - 140
1,1,1-Trichloroethane	50.0	45.9		ug/L		92	68 - 130
1,1,2-Trichloroethane	50.0	48.5		ug/L		97	70 - 130
Trichloroethene	50.0	47.1		ug/L		94	70 - 130
Trichlorofluoromethane	50.0	49.4		ug/L		99	65 - 138
1,2,3-Trichloropropane	50.0	46.3		ug/L		93	70 - 130
1,2,4-Trimethylbenzene	50.0	59.2		ug/L		118	70 - 130
1,3,5-Trimethylbenzene	50.0	54.5		ug/L		109	69 - 130
Vinyl acetate	100	106		ug/L		106	26 - 160
Vinyl chloride	50.0	56.2		ug/L		112	59 - 136
Xylenes, Total	100	104		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*103*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-517999/1-A
Matrix: Water
Analysis Batch: 518361

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		01/20/21 14:09	01/25/21 14:58	1
Benzenethiol	ND		10	1.7	ug/L		01/20/21 14:09	01/25/21 14:58	1
Benzoic acid	ND		30	7.3	ug/L		01/20/21 14:09	01/25/21 14:58	1
Benzyl alcohol	ND		10	2.0	ug/L		01/20/21 14:09	01/25/21 14:58	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		01/20/21 14:09	01/25/21 14:58	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		01/20/21 14:09	01/25/21 14:58	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		01/20/21 14:09	01/25/21 14:58	1
Bis(2-ethylhexyl) phthalate	5.43	J	10	5.0	ug/L		01/20/21 14:09	01/25/21 14:58	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		01/20/21 14:09	01/25/21 14:58	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		01/20/21 14:09	01/25/21 14:58	1
4-Chloroaniline	ND		10	3.4	ug/L		01/20/21 14:09	01/25/21 14:58	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		01/20/21 14:09	01/25/21 14:58	1
2-Chloronaphthalene	ND		10	0.14	ug/L		01/20/21 14:09	01/25/21 14:58	1
2-Chlorophenol	ND		10	2.2	ug/L		01/20/21 14:09	01/25/21 14:58	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-517999/1-A
Matrix: Water
Analysis Batch: 518361

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		01/20/21 14:09	01/25/21 14:58	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		01/20/21 14:09	01/25/21 14:58	1
Dibenzofuran	ND		10	0.17	ug/L		01/20/21 14:09	01/25/21 14:58	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		01/20/21 14:09	01/25/21 14:58	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		01/20/21 14:09	01/25/21 14:58	1
Diethyl phthalate	ND		10	0.24	ug/L		01/20/21 14:09	01/25/21 14:58	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		01/20/21 14:09	01/25/21 14:58	1
Dimethyl phthalate	ND		10	0.17	ug/L		01/20/21 14:09	01/25/21 14:58	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		01/20/21 14:09	01/25/21 14:58	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		01/20/21 14:09	01/25/21 14:58	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		01/20/21 14:09	01/25/21 14:58	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		01/20/21 14:09	01/25/21 14:58	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		01/20/21 14:09	01/25/21 14:58	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		01/20/21 14:09	01/25/21 14:58	1
1,4-Dioxane	ND		10	1.0	ug/L		01/20/21 14:09	01/25/21 14:58	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		01/20/21 14:09	01/25/21 14:58	1
Hexachlorobenzene	ND		10	0.17	ug/L		01/20/21 14:09	01/25/21 14:58	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		01/20/21 14:09	01/25/21 14:58	1
Hexachloroethane	ND		10	4.2	ug/L		01/20/21 14:09	01/25/21 14:58	1
Indene	ND		10	1.0	ug/L		01/20/21 14:09	01/25/21 14:58	1
Isophorone	ND		10	0.14	ug/L		01/20/21 14:09	01/25/21 14:58	1
2-Methylphenol	ND		10	1.8	ug/L		01/20/21 14:09	01/25/21 14:58	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		01/20/21 14:09	01/25/21 14:58	1
2-Nitroaniline	ND		10	2.2	ug/L		01/20/21 14:09	01/25/21 14:58	1
3-Nitroaniline	ND		10	1.8	ug/L		01/20/21 14:09	01/25/21 14:58	1
4-Nitroaniline	ND		10	1.5	ug/L		01/20/21 14:09	01/25/21 14:58	1
Nitrobenzene	ND		10	0.13	ug/L		01/20/21 14:09	01/25/21 14:58	1
2-Nitrophenol	ND		10	5.2	ug/L		01/20/21 14:09	01/25/21 14:58	1
4-Nitrophenol	ND		10	2.1	ug/L		01/20/21 14:09	01/25/21 14:58	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		01/20/21 14:09	01/25/21 14:58	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		01/20/21 14:09	01/25/21 14:58	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		01/20/21 14:09	01/25/21 14:58	1
Pentachlorophenol	ND		20	1.4	ug/L		01/20/21 14:09	01/25/21 14:58	1
Phenol	ND		10	2.6	ug/L		01/20/21 14:09	01/25/21 14:58	1
Pyridine	ND		10	3.2	ug/L		01/20/21 14:09	01/25/21 14:58	1
Quinoline	ND		10	4.5	ug/L		01/20/21 14:09	01/25/21 14:58	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		01/20/21 14:09	01/25/21 14:58	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		01/20/21 14:09	01/25/21 14:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*46 - 124*	*01/20/21 14:09*	*01/25/21 14:58*	*1*
2-Fluorophenol	*17*		*13 - 113*	*01/20/21 14:09*	*01/25/21 14:58*	*1*
Nitrobenzene-d5	*64*		*36 - 126*	*01/20/21 14:09*	*01/25/21 14:58*	*1*
Phenol-d5	*50*		*17 - 127*	*01/20/21 14:09*	*01/25/21 14:58*	*1*
Terphenyl-d14	*60*		*44 - 149*	*01/20/21 14:09*	*01/25/21 14:58*	*1*
2,4,6-Tribromophenol	*52*		*26 - 150*	*01/20/21 14:09*	*01/25/21 14:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517999/2-A
Matrix: Water
Analysis Batch: 518361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	84.1		ug/L		70	21 - 120
Benzoic acid	502	260		ug/L		52	10 - 144
Benzyl alcohol	120	96.3		ug/L		80	28 - 120
Bis(2-chloroethoxy)methane	120	66.4		ug/L		55	47 - 120
Bis(2-chloroethyl)ether	120	76.5		ug/L		64	44 - 120
bis (2-chloroisopropyl) ether	120	92.7		ug/L		77	33 - 121
Bis(2-ethylhexyl) phthalate	120	90.7		ug/L		76	52 - 147
4-Bromophenyl phenyl ether	120	80.4		ug/L		67	54 - 122
Butyl benzyl phthalate	120	90.1		ug/L		75	54 - 133
4-Chloroaniline	120	69.8		ug/L		58	26 - 120
4-Chloro-3-methylphenol	120	81.0		ug/L		67	48 - 131
2-Chloronaphthalene	120	78.5		ug/L		65	52 - 121
2-Chlorophenol	120	81.7		ug/L		68	40 - 120
4-Chlorophenyl phenyl ether	120	83.2		ug/L		69	56 - 125
Dibenz[a,h]acridine	120	99.5		ug/L		83	31 - 150
Dibenzofuran	120	82.7		ug/L		69	56 - 122
3,3'-Dichlorobenzidine	160	148		ug/L		92	36 - 132
2,4-Dichlorophenol	120	75.0		ug/L		63	49 - 120
Diethyl phthalate	120	109		ug/L		91	50 - 137
2,4-Dimethylphenol	120	81.5		ug/L		68	48 - 120
Dimethyl phthalate	120	84.9		ug/L		71	57 - 124
Di-n-butyl phthalate	120	101		ug/L		84	58 - 126
4,6-Dinitro-ortho-cresol	240	200		ug/L		83	23 - 148
2,4-Dinitrophenol	240	269		ug/L		112	10 - 150
2,4-Dinitrotoluene	120	85.2		ug/L		71	54 - 142
2,6-Dinitrotoluene	120	76.7		ug/L		64	55 - 130
Di-n-octyl phthalate	120	103		ug/L		86	57 - 138
1,4-Dioxane	120	59.2		ug/L		49	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	99.0		ug/L		83	45 - 124
Hexachlorobenzene	120	109		ug/L		90	52 - 129
Hexachlorocyclopentadiene	120	88.4		ug/L		74	10 - 134
Hexachloroethane	120	88.1		ug/L		73	20 - 120
Indene	120	87.2		ug/L		73	49 - 120
Isophorone	120	70.5		ug/L		59	48 - 120
2-Methylphenol	120	93.2		ug/L		78	46 - 124
3 & 4 Methylphenol	120	101		ug/L		85	45 - 120
2-Nitroaniline	120	101		ug/L		84	51 - 145
3-Nitroaniline	120	94.6		ug/L		79	37 - 127
4-Nitroaniline	120	118		ug/L		98	36 - 137
Nitrobenzene	120	71.2		ug/L		59	45 - 120
2-Nitrophenol	120	73.6		ug/L		61	40 - 124
4-Nitrophenol	240	304		ug/L		127	23 - 146
N-Nitrosodimethylamine	120	114		ug/L		95	29 - 137
N-Nitrosodi-n-propylamine	120	109		ug/L		91	45 - 120
N-Nitrosodiphenylamine	119	86.0		ug/L		72	54 - 120
Pentachlorophenol	240	279		ug/L		116	31 - 130
Phenol	120	93.4		ug/L		78	11 - 120
Pyridine	240	109		ug/L		45	16 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-517999/2-A
Matrix: Water
Analysis Batch: 518361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Quinoline	120	81.0		ug/L		68	49 - 130
2,4,5-Trichlorophenol	120	91.2		ug/L		76	51 - 136
2,4,6-Trichlorophenol	120	86.4		ug/L		72	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*46 - 124*
2-Fluorophenol	*46*		*13 - 113*
Nitrobenzene-d5	*58*		*36 - 126*
Phenol-d5	*66*		*17 - 127*
Terphenyl-d14	*56*		*44 - 149*
2,4,6-Tribromophenol	*75*		*26 - 150*

Lab Sample ID: LCS 400-517999/4-A
Matrix: Water
Analysis Batch: 518361

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	ND	*	ug/L		0.6	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*54*		*46 - 124*
2-Fluorophenol	*14*		*13 - 113*
Nitrobenzene-d5	*58*		*36 - 126*
Phenol-d5	*35*		*17 - 127*
Terphenyl-d14	*54*		*44 - 149*
2,4,6-Tribromophenol	*42*		*26 - 150*

Lab Sample ID: LCSD 400-517999/3-A
Matrix: Water
Analysis Batch: 518361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517999

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	120	85.0		ug/L		71	21 - 120	1	30
Benzoic acid	502	249		ug/L		50	10 - 144	4	30
Benzyl alcohol	120	93.0		ug/L		78	28 - 120	3	30
Bis(2-chloroethoxy)methane	120	61.6		ug/L		51	47 - 120	7	30
Bis(2-chloroethyl)ether	120	70.1		ug/L		58	44 - 120	9	30
bis (2-chloroisopropyl) ether	120	91.1		ug/L		76	33 - 121	2	30
Bis(2-ethylhexyl) phthalate	120	81.0		ug/L		68	52 - 147	11	30
4-Bromophenyl phenyl ether	120	74.2		ug/L		62	54 - 122	8	30
Butyl benzyl phthalate	120	83.1		ug/L		69	54 - 133	8	30
4-Chloroaniline	120	66.8		ug/L		56	26 - 120	5	30
4-Chloro-3-methylphenol	120	76.4		ug/L		64	48 - 131	6	30
2-Chloronaphthalene	120	75.6		ug/L		63	52 - 121	4	30
2-Chlorophenol	120	66.0		ug/L		55	40 - 120	21	30
4-Chlorophenyl phenyl ether	120	80.7		ug/L		67	56 - 125	3	30
Dibenz[a,h]acridine	120	94.6		ug/L		79	31 - 150	5	30
Dibenzofuran	120	78.5		ug/L		65	56 - 122	5	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-517999/3-A
Matrix: Water
Analysis Batch: 518361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517999

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
3,3'-Dichlorobenzidine	160	132		ug/L		83	36 - 132	11	30
2,4-Dichlorophenol	120	71.0		ug/L		59	49 - 120	6	30
Diethyl phthalate	120	103		ug/L		86	50 - 137	6	30
2,4-Dimethylphenol	120	76.0		ug/L		63	48 - 120	7	30
Dimethyl phthalate	120	80.0		ug/L		67	57 - 124	6	30
Di-n-butyl phthalate	120	93.7		ug/L		78	58 - 126	7	30
4,6-Dinitro-ortho-cresol	240	188		ug/L		79	23 - 148	6	30
2,4-Dinitrophenol	240	271		ug/L		113	10 - 150	1	30
2,4-Dinitrotoluene	120	80.8		ug/L		67	54 - 142	5	30
2,6-Dinitrotoluene	120	73.1		ug/L		61	55 - 130	5	30
Di-n-octyl phthalate	120	91.1		ug/L		76	57 - 138	12	30
1,4-Dioxane	120	53.8		ug/L		45	31 - 120	10	30
1,2-Diphenylhydrazine (as Azobenzene)	120	91.0		ug/L		76	45 - 124	8	30
Hexachlorobenzene	120	101		ug/L		85	52 - 129	7	30
Hexachlorocyclopentadiene	120	85.5		ug/L		71	10 - 134	3	30
Hexachloroethane	120	80.4		ug/L		67	20 - 120	9	30
Indene	120	84.5		ug/L		70	49 - 120	3	30
Isophorone	120	66.8		ug/L		56	48 - 120	5	30
2-Methylphenol	120	87.2		ug/L		73	46 - 124	7	30
3 & 4 Methylphenol	120	95.2		ug/L		79	45 - 120	6	30
2-Nitroaniline	120	96.3		ug/L		80	51 - 145	4	30
3-Nitroaniline	120	90.0		ug/L		75	37 - 127	5	30
4-Nitroaniline	120	115		ug/L		96	36 - 137	2	30
Nitrobenzene	120	66.8		ug/L		56	45 - 120	6	30
2-Nitrophenol	120	68.2		ug/L		57	40 - 124	8	30
4-Nitrophenol	240	287		ug/L		120	23 - 146	6	30
N-Nitrosodimethylamine	120	104		ug/L		87	29 - 137	9	30
N-Nitrosodi-n-propylamine	120	106		ug/L		88	45 - 120	3	30
N-Nitrosodiphenylamine	119	76.0		ug/L		64	54 - 120	12	30
Pentachlorophenol	240	266		ug/L		111	31 - 130	5	30
Phenol	120	85.0		ug/L		71	11 - 120	9	30
Pyridine	240	94.1		ug/L		39	16 - 120	14	30
Quinoline	120	78.0		ug/L		65	49 - 130	4	30
2,4,5-Trichlorophenol	120	86.2		ug/L		72	51 - 136	6	30
2,4,6-Trichlorophenol	120	80.1		ug/L		67	50 - 127	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*65*		*46 - 124*
2-Fluorophenol	*31*		*13 - 113*
Nitrobenzene-d5	*52*		*36 - 126*
Phenol-d5	*57*		*17 - 127*
Terphenyl-d14	*48*		*44 - 149*
2,4,6-Tribromophenol	*68*		*26 - 150*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-517999/5-A
Matrix: Water
Analysis Batch: 518361

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517999

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	ND	*- *1	ug/L		0.09	10 - 120	146	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*47*		*46 - 124*
2-Fluorophenol	*17*		*13 - 113*
Nitrobenzene-d5	*52*		*36 - 126*
Phenol-d5	*33*		*17 - 127*
Terphenyl-d14	*47*		*44 - 149*
2,4,6-Tribromophenol	*39*		*26 - 150*

Lab Sample ID: MB 400-518677/1-A
Matrix: Water
Analysis Batch: 518805

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 518677

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		01/27/21 15:04	01/28/21 18:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*112*		*46 - 124*	*01/27/21 15:04*	*01/28/21 18:51*	*1*
2-Fluorophenol	*47*		*13 - 113*	*01/27/21 15:04*	*01/28/21 18:51*	*1*
Nitrobenzene-d5	*72*		*36 - 126*	*01/27/21 15:04*	*01/28/21 18:51*	*1*
Phenol-d5	*61*		*17 - 127*	*01/27/21 15:04*	*01/28/21 18:51*	*1*
Terphenyl-d14	*118*		*44 - 149*	*01/27/21 15:04*	*01/28/21 18:51*	*1*
2,4,6-Tribromophenol	*163*	*S1+*	*26 - 150*	*01/27/21 15:04*	*01/28/21 18:51*	*1*

Lab Sample ID: LCS 400-518677/2-A
Matrix: Water
Analysis Batch: 518805

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 518677

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	120	116		ug/L		97	52 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*100*		*46 - 124*
2-Fluorophenol	*53*		*13 - 113*
Nitrobenzene-d5	*82*		*36 - 126*
Phenol-d5	*64*		*17 - 127*
Terphenyl-d14	*112*		*44 - 149*
2,4,6-Tribromophenol	*167*	*S1+*	*26 - 150*

Lab Sample ID: LCSD 400-518677/3-A
Matrix: Water
Analysis Batch: 518805

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 518677

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	120	125		ug/L		104	52 - 147	7	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-518677/3-A
Matrix: Water
Analysis Batch: 518805

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 518677

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	109		46 - 124
2-Fluorophenol	39		13 - 113
Nitrobenzene-d5	84		36 - 126
Phenol-d5	56		17 - 127
Terphenyl-d14	118		44 - 149
2,4,6-Tribromophenol	164	S1+	26 - 150

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-517999/1-A
Matrix: Water
Analysis Batch: 518383

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 517999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.80	0.13	ug/L		01/20/21 14:09	01/25/21 15:09	1
Acenaphthylene	ND		0.80	0.18	ug/L		01/20/21 14:09	01/25/21 15:09	1
Anthracene	ND		0.80	0.12	ug/L		01/20/21 14:09	01/25/21 15:09	1
Benzo[a]anthracene	ND		0.80	0.18	ug/L		01/20/21 14:09	01/25/21 15:09	1
Benzo[a]pyrene	ND		0.80	0.17	ug/L		01/20/21 14:09	01/25/21 15:09	1
Benzo[b]fluoranthene	ND		0.80	0.27	ug/L		01/20/21 14:09	01/25/21 15:09	1
Benzo[g,h,i]perylene	ND		0.80	0.52	ug/L		01/20/21 14:09	01/25/21 15:09	1
Benzo[k]fluoranthene	ND		0.80	0.40	ug/L		01/20/21 14:09	01/25/21 15:09	1
Chrysene	ND		0.80	0.30	ug/L		01/20/21 14:09	01/25/21 15:09	1
Dibenz(a,h)anthracene	ND		0.80	0.18	ug/L		01/20/21 14:09	01/25/21 15:09	1
Fluoranthene	ND		0.80	0.27	ug/L		01/20/21 14:09	01/25/21 15:09	1
Fluorene	ND		0.80	0.44	ug/L		01/20/21 14:09	01/25/21 15:09	1
Indeno[1,2,3-cd]pyrene	ND		0.80	0.48	ug/L		01/20/21 14:09	01/25/21 15:09	1
Phenanthrene	ND		0.80	0.14	ug/L		01/20/21 14:09	01/25/21 15:09	1
Pyrene	ND		0.80	0.16	ug/L		01/20/21 14:09	01/25/21 15:09	1
1-Methylnaphthalene	ND		0.80	0.30	ug/L		01/20/21 14:09	01/25/21 15:09	1
2-Methylnaphthalene	ND		0.80	0.24	ug/L		01/20/21 14:09	01/25/21 15:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	71		33 - 138	01/20/21 14:09	01/25/21 15:09	1
2-Fluorobiphenyl	58		15 - 122	01/20/21 14:09	01/25/21 15:09	1
Nitrobenzene-d5	66		19 - 130	01/20/21 14:09	01/25/21 15:09	1

Lab Sample ID: LCS 400-517999/2-A
Matrix: Water
Analysis Batch: 518383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	109		ug/L		91	41 - 120
Acenaphthylene	120	111		ug/L		93	44 - 120
Anthracene	120	123		ug/L		103	49 - 120
Benzo[a]anthracene	120	110		ug/L		92	61 - 135
Benzo[a]pyrene	120	126		ug/L		105	52 - 120
Benzo[b]fluoranthene	120	123		ug/L		102	53 - 134

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-517999/2-A
Matrix: Water
Analysis Batch: 518383

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 517999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[g,h,i]perylene	120	111		ug/L		93	47 - 133
Benzo[k]fluoranthene	120	130		ug/L		109	57 - 134
Chrysene	120	113		ug/L		94	55 - 122
Dibenz(a,h)anthracene	120	116		ug/L		97	48 - 146
Fluoranthene	120	116		ug/L		97	54 - 128
Fluorene	120	111		ug/L		93	45 - 125
Indeno[1,2,3-cd]pyrene	120	108		ug/L		90	43 - 142
Phenanthrene	120	119		ug/L		99	48 - 120
Pyrene	120	123		ug/L		103	48 - 132
1-Methylnaphthalene	120	85.6		ug/L		71	41 - 120
2-Methylnaphthalene	120	84.5		ug/L		70	32 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*92*		*33 - 138*
2-Fluorobiphenyl	*88*		*15 - 122*
Nitrobenzene-d5	*83*		*19 - 130*

Lab Sample ID: LCSD 400-517999/3-A
Matrix: Water
Analysis Batch: 518383

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 517999

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	120	98.9		ug/L		82	41 - 120	10	56
Acenaphthylene	120	103		ug/L		86	44 - 120	8	56
Anthracene	120	114		ug/L		95	49 - 120	8	51
Benzo[a]anthracene	120	101		ug/L		84	61 - 135	8	49
Benzo[a]pyrene	120	114		ug/L		95	52 - 120	10	50
Benzo[b]fluoranthene	120	114		ug/L		95	53 - 134	8	54
Benzo[g,h,i]perylene	120	98.0		ug/L		82	47 - 133	13	50
Benzo[k]fluoranthene	120	112		ug/L		93	57 - 134	15	52
Chrysene	120	106		ug/L		88	55 - 122	6	50
Dibenz(a,h)anthracene	120	110		ug/L		91	48 - 146	6	50
Fluoranthene	120	108		ug/L		90	54 - 128	8	52
Fluorene	120	103		ug/L		86	45 - 125	8	56
Indeno[1,2,3-cd]pyrene	120	99.9		ug/L		83	43 - 142	8	51
Phenanthrene	120	108		ug/L		90	48 - 120	10	56
Pyrene	120	108		ug/L		90	48 - 132	13	52
1-Methylnaphthalene	120	77.0		ug/L		64	41 - 120	11	55
2-Methylnaphthalene	120	77.8		ug/L		65	32 - 124	8	57

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*81*		*33 - 138*
2-Fluorobiphenyl	*79*		*15 - 122*
Nitrobenzene-d5	*75*		*19 - 130*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-518215/1-A
Matrix: Water
Analysis Batch: 518231

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 518215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/22/21 12:09	01/22/21 15:07	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/22/21 12:09	01/22/21 15:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*51 - 149*	*01/22/21 12:09*	*01/22/21 15:07*	*1*

Lab Sample ID: LCS 400-518215/2-A
Matrix: Water
Analysis Batch: 518231

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 518215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.122		ug/L		121	60 - 140
1,2-Dibromoethane	0.101	0.112		ug/L		111	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*51 - 149*

Lab Sample ID: LCSD 400-518215/3-A
Matrix: Water
Analysis Batch: 518231

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 518215

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.101	0.115		ug/L		114	60 - 140	6	30
1,2-Dibromoethane	0.101	0.109		ug/L		109	60 - 140	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*51 - 149*

Lab Sample ID: MB 400-518811/1-A
Matrix: Water
Analysis Batch: 518826

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 518811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.030	0.0055	ug/L		01/28/21 13:47	01/28/21 15:59	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		01/28/21 13:47	01/28/21 15:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*51 - 149*	*01/28/21 13:47*	*01/28/21 15:59*	*1*

Lab Sample ID: LCS 400-518811/2-A
Matrix: Water
Analysis Batch: 518826

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 518811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.115		ug/L		114	60 - 140
1,2-Dibromoethane	0.101	0.112		ug/L		111	60 - 140

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCS 400-518811/2-A
Matrix: Water
Analysis Batch: 518826

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 518811

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*51 - 149*

Lab Sample ID: LCSD 400-518811/3-A
Matrix: Water
Analysis Batch: 518826

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 518811

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.121		ug/L		120	60 - 140	11	30
1,2-Dibromoethane			0.101	0.116		ug/L		115	60 - 140	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*51 - 149*

LAB (LOCATION)

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr Pensacola, FL 32514 (850-474-1001))

☐ Other Lab Vendor # 1364589 (TestAmerica))

Shell Oil Products US Chain Of Custody Record

AECOM

Please Check Appropriate Box:

☐ SGW FDG ☐ PIPELINE ☐ RETAIL

☐ CHEMICALS ☐ CONSULTANT ☐ LUBES

☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES_____

Print Bill To Contact Name:	PlaNet Site or Project ID
Bob Mooshegian	25278
PO #	GSAP Project ID
60648474 – 3.2.1F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES DATE: 1/18/21

PAGE: 1 of 1

SAMPLING COMPANY: AECOM

LOG CODE:

ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA

PROJECT CONTACT (Hardcopy or PDF Report to): Elizabeth Kunkel, Bob Billman, Melissa Remiger, Wendy Pennington

TELEPHONE: 314-429-0100 FAX: 314-429-0462

Bill To Contact E-MAIL: bob.billman@aecom.com; elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; wendy.pennington@aecom.com

SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA State: IL

AECOM Project / Task Number: Roxana Quarterly GW 60648474 – 3.2.1F

EDF DELIVERABLE TO (Name, Company, Office Location): Elizabeth Kunkel, AECOM, St. Louis, MO; Melissa Remiger, Bob Billman, Wendy Pennington

PHONE NO.: 314-802-1171; 314-449-2913; 314-802-1122

E-MAIL: elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; bob.billman@aecom.com; wendy.pennington@aecom.com

AECOM Other ID:

SAMPLER NAME(S) (Print): A Oliver; B. Howell

LAB USE ONLY

TURNAROUND TIME (CALENDAR DAYS):

☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT

DELIVERABLES: ☑ LEVEL 2 ☐ LEVEL 3 ☑ LEVEL 4 ☑ OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C°: Cooler #1 | Cooler #2 | Cooler #3

SPECIAL INSTRUCTIONS OR NOTES:
* Please include "J" values on Reports
* Please provide sample receipt upon login

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
NON-UNIT COST
60648474 – 3.2.1F

400-198340 COC

FIELD NOTES:

TEMPERATURE ON RECEIPT C°: 0.0°C, 2.7°C IR 7

Container PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	SVOC 8270	VOC 8011	PAH 8270LL
	TB-ROX-011821-8011	01/18/21	0000	Water	2					2			X	
	TB-ROX-011821-8260		0000		2					2	X			
	MW4-ROX-011821-EB		0830		6			2		8	X	X	X	X
	MW4-ROX-011821		0950		6			2		8	X	X	X	X
	MW25-ROX-011821		1035		6			2		8	X	X	X	X
	MW25-ROX-011821-Dup		1035		6			2		8	X	X	X	X
	MW8-ROX-011821		1150		6			2		8	X	X	X	X
	MW7-ROX-011821		1255		6			2		8	X	X	X	X
	MW7-ROX-011821-Dup		1255		6			2		8	X	X	X	X

	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Fedex: 934540568537/934540568526	1/18/21	1445
Relinquished by: (Signature)	Received by: (Signature) CHAIN	1/19/20	1010
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time

Custody Seal: 1450602, 1450603, 1450604, 1450605

Version 14Dec15

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2/2/2021

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-198340-1

Login Number: 198340
List Number: 1
Creator: Perez, Trina M

List Source: Eurofins TestAmerica, Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C, 2.7°C IR-7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: AECOM Technical Services Inc.
Project/Site: ROXANA QUARTERLY GW

Job ID: 400-198340-1

Laboratory: Eurofins TestAmerica, Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-21
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-02-21
California	State	2510	06-30-21
Florida	NELAP	E81010	06-30-21
Georgia	State	E81010(FL)	06-30-21
Illinois	NELAP	200041	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-21
Kentucky (UST)	State	53	06-30-21
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-21
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-21
Michigan	State	9912	06-30-21
New Jersey	NELAP	FL006	06-30-21
New York	NELAP	12115	04-01-21
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810-186	08-31-21
Pennsylvania	NELAP	68-00467	01-31-21
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026002	06-30-21
Tennessee	State	TN02907	06-30-21
Texas	NELAP	T104704286	09-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-21
Washington	State	C915	05-15-21
West Virginia DEP	State	136	06-30-21

Appendix D

Charts – Benzene Concentrations Over Time – MW-7, MW-8, MW-22, MW-25, P-57, P-59, ROST-4-PZ(C), T-12

Table D1 - Historical Benzene Analytical Data for Select Groundwater Monitoring Wells

See attached CD/DVD.

SEE LAST PAGE OF TABLE FOR NOTES

TABLE D-1
HISTORICAL BENZENE ANALYTICAL DATA FOR SELECT GROUNDWATER MONITORING WELLS

Location	Sample Date	Result (ug/L)
MW-07	10/23/2009	684
	11/17/2010	876
	11/17/2010	928
	1/25/2011	1,150
	5/13/2011	1,030
	5/13/2011	922
	7/24/2011	1,840
	11/2/2011	774
	1/18/2012	1,330
	1/18/2012	1,110
	5/4/2012	738
	8/7/2012	591
	10/30/2012	863
	10/30/2012	833
	1/15/2013	1,320
	1/15/2013	1,230
	4/10/2013	499
	4/10/2013	475
	7/17/2013	1,000
	10/16/2013	553
	1/30/2014	1,490
	4/16/2014	1,390
	7/16/2014	1,270
	7/16/2014	1,370
	10/16/2014	1,130
	10/16/2014	984
	1/22/2015	799
	1/22/2015	821
	4/21/2015	1,110
	4/21/2015	1,160
	7/15/2015	1,370
	7/15/2015	1,300
	10/19/2015	1,000
	10/19/2015	990
	1/14/2016	740
	1/14/2016	700
	4/19/2016	1,100
	4/19/2016	1,100
	7/14/2016	670
	7/14/2016	680
	10/6/2016	910
	10/6/2016	840
	1/9/2017	950
	4/10/2017	1,000
	4/10/2017	1,100
	7/11/2017	870
	7/11/2017	810
	10/5/2017	1,400
	1/9/2018	1,500
	4/9/2018	770
	4/9/2018	780
	7/10/2018	1,900
	7/10/2018	1,700
	10/8/2018	650
	1/7/2019	650
	4/8/2019	1,000
	4/8/2019	1,000
	7/8/2019	1,300
	7/8/2019	1,400
	10/8/2019	1,700
	10/8/2019	1,600
	1/6/2020	800
	1/6/2020	750
	4/6/2020	700
	4/6/2020	700
	7/9/2020	640
	7/9/2020	650
	10/12/2020	1,400
	10/12/2020	1,400
	1/18/2021	2,000
	1/18/2021	2,200

SEE LAST PAGE OF TABLE FOR NOTES

TABLE D-1
HISTORICAL BENZENE ANALYTICAL DATA FOR SELECT GROUNDWATER MONITORING WELLS

Location	Sample Date	Result (ug/L)
MW-08	10/22/2009	1,010
	10/22/2009	1,130
	11/17/2010	965
	1/25/2011	1,030
	1/25/2011	986
	5/13/2011	1,310
	5/13/2011	952
	7/24/2011	1,650
	7/24/2011	1,860
	11/2/2011	934
	1/18/2012	386
	5/4/2012	1,070
	5/4/2012	1,040
	8/7/2012	653
	8/7/2012	397
	10/30/2012	523
	1/15/2013	1,120
	4/10/2013	969
	7/17/2013	494
	7/17/2013	532
	10/16/2013	360
	10/16/2013	351
	1/30/2014	748
	1/30/2014	721
	4/16/2014	862
	4/16/2014	1,060
	7/16/2014	276
	10/16/2014	486
	1/22/2015	764
	4/21/2015	1,100
	7/15/2015	879
	10/19/2015	580
	1/14/2016	300
	4/19/2016	480
	7/14/2016	310
	10/6/2016	630
	1/9/2017	410
	4/10/2017	830
	7/10/2017	870
	10/5/2017	970
	10/5/2017	990
	1/9/2018	720
	4/9/2018	510
	7/10/2018	840
	10/8/2018	550
	10/8/2018	560
	1/7/2019	420
	1/7/2019	450
	4/8/2019	550
	7/8/2019	280
	10/8/2019	110
	1/6/2020	42
	4/6/2020	49
	7/9/2020	33
	10/12/2020	130
	1/18/2021	29

SEE LAST PAGE OF TABLE FOR NOTES

TABLE D-1
HISTORICAL BENZENE ANALYTICAL DATA FOR SELECT GROUNDWATER MONITORING WELLS

Location	Sample Date	Result (ug/L)
MW-22	1/23/2013	2.12
	1/23/2013	2.09
	4/5/2013	1.5
	7/11/2013	1.11
	7/11/2013	1.19
	10/9/2013	1.33
	10/9/2013	1.39
	1/20/2014	1.47
	1/20/2014	1.58
	4/10/2014	1.56
	4/10/2014	1.7
	7/14/2014	1.74
	10/10/2014	1.62
	1/16/2015	1.51
	4/14/2015	1.62
	7/15/2015	2.92
	10/14/2015	0.8
	1/15/2016	1.1
	1/15/2016	1.2
	4/13/2016	1.2
	4/13/2016	1.2
	7/15/2016	0.062
	7/15/2016	0.061
	10/17/2016	0.31
	10/17/2016	0.31
	1/12/2017	0.036
	1/12/2017	0.039
	4/17/2017	0.14
	4/17/2017	0.13
	7/12/2017	0.0068
	7/12/2017	0.0079
	10/13/2017	0.0089
	10/13/2017	0.0086
	1/11/2018	0.32
	1/11/2018	0.32
	4/10/2018	0.43
	7/10/2018	0.79
	10/15/2018	0.056
	1/9/2019	0.1
	4/17/2019	0.22
	10/15/2019	0.0035
	10/15/2019	0.0039
	1/6/2020	ND (<0.001)
	4/15/2020	0.00092
	7/14/2020	ND (<0.001)
	10/15/2020	0.00042
	1/13/2021	0.0073

SEE LAST PAGE OF TABLE FOR NOTES

TABLE D-1
HISTORICAL BENZENE ANALYTICAL DATA FOR SELECT GROUNDWATER MONITORING WELLS

Location	Sample Date	Result (ug/L)
MW-25	10/21/2014	501
	1/22/2015	62.8
	4/21/2015	78.7
	7/15/2015	71.9
	10/19/2015	11
	1/14/2016	2.2
	4/19/2016	0.99
	7/18/2016	1.2
	10/6/2016	0.37
	1/11/2017	0.28
	4/11/2017	0.19
	7/10/2017	0.056
	10/5/2017	0.065
	1/9/2018	0.028
	4/9/2018	0.02
	7/10/2018	0.005
	10/8/2018	0.0071
	1/7/2019	0.0023
	4/8/2019	0.017
	7/8/2019	0.016
	10/8/2019	0.044
	1/6/2020	0.028
	4/6/2020	0.019
	7/9/2020	0.0087
	10/12/2020	0.045
	1/18/2021	0.044
	1/18/2021	0.035

SEE LAST PAGE OF TABLE FOR NOTES

TABLE D-1
HISTORICAL BENZENE ANALYTICAL DATA FOR SELECT GROUNDWATER MONITORING WELLS

Location	Sample Date	Result (ug/L)
P-57	3/3/2006	177
	6/11/2008	257
	11/8/2011	123
	2/13/2012	126
	5/7/2012	147
	8/6/2012	106
	8/6/2012	99.4
	11/5/2012	142
	1/29/2013	114
	4/11/2013	141
	7/16/2013	254
	10/14/2013	288
	2/3/2014	261
	4/15/2014	384
	7/8/2014	371
	7/8/2014	378
	10/14/2014	220
	10/14/2014	255
	1/23/2015	107
	4/20/2015	134
	7/13/2015	138
	10/15/2015	140
	1/12/2016	160
	4/18/2016	73
	7/13/2016	70
	10/18/2016	71
	1/16/2017	39
	4/7/2017	45
	7/13/2017	43
	10/16/2017	42
	1/18/2018	15
	1/18/2018	20
	4/10/2018	8.8
	7/11/2018	5
	7/11/2018	8.8
	10/16/2018	34
	10/16/2018	34
	1/14/2019	28
	1/14/2019	23
	4/17/2019	9.8
	4/17/2019	7.4
	7/15/2019	15
	7/15/2019	16
	10/15/2019	2.3
	10/15/2019	2.3
	1/9/2020	1.3
	4/17/2020	2.5
	4/17/2020	2.8
	7/16/2020	1.5
	7/16/2020	2.5
	10/20/2020	0.48
	10/20/2020	2
	1/13/2021	0.11
	1/13/2021	0.27

SEE LAST PAGE OF TABLE FOR NOTES

TABLE D-1
HISTORICAL BENZENE ANALYTICAL DATA FOR SELECT GROUNDWATER MONITORING WELLS

Location	Sample Date	Result (ug/L)
P-59	10/1/2010	10.1
	10/21/2010	8.637
	10/21/2010	9.201
	5/11/2011	6.2
	10/27/2011	6.01
	10/27/2011	6.7
	1/19/2012	7.04
	1/19/2012	6.61
	5/9/2012	8.1
	5/9/2012	7.86
	8/2/2012	11
	11/2/2012	9.8
	11/2/2012	8.3
	11/2/2012	10.3
	11/2/2012	10.5
	1/30/2013	12.1
	4/12/2013	20
	4/12/2013	13.4
	4/12/2013	15
	7/16/2013	10.2
	10/10/2013	11
	10/10/2013	14.7
	2/3/2014	15.9
	4/15/2014	14.8
	4/18/2014	9.8
	7/8/2014	12.2
	10/14/2014	12
	10/14/2014	12
	1/19/2015	13.5
	4/16/2015	9.8
	4/16/2015	9.43
	7/13/2015	3.08
	10/15/2015	7.2
	1/12/2016	5.4
	4/18/2016	4.9
	7/13/2016	4.2
	10/18/2016	8.7
	1/16/2017	7.6
	4/7/2017	7.6
	7/13/2017	7.7
	10/13/2017	2.7
	10/13/2017	2.6
	1/11/2018	4.7
	4/12/2018	3.2
	7/11/2018	3.7
	10/16/2018	2.3
	1/14/2019	3.0
	10/15/2019	2.1
	1/9/2020	1.6
	4/21/2020	2.3
	7/16/2020	1.2
	10/20/2020	1.6
	1/13/2021	2.1

SEE LAST PAGE OF TABLE FOR NOTES

TABLE D-1
HISTORICAL BENZENE ANALYTICAL DATA FOR SELECT GROUNDWATER MONITORING WELLS

Location	Sample Date	Result (ug/L)
ROST-4-PZ(C)	5/3/2011	0.211
	5/14/2012	ND (<0.0005)
	7/25/2012	0.0849
	10/29/2012	0.0033
	1/11/2013	ND (<0.0005)
	4/10/2013	0.0153
	7/11/2013	0.0497
	10/9/2013	0.00066
	1/17/2014	0.0015
	4/10/2014	0.0019
	7/10/2014	0.0751
	10/9/2014	0.039
	1/15/2015	0.0013
	4/13/2015	0.0694
	7/13/2015	0.0683
	10/12/2015	0.071
	1/15/2016	0.059
	4/13/2016	0.05
	7/15/2016	0.044
	10/13/2016	0.025
	1/12/2017	0.021
	4/17/2017	0.025
	7/12/2017	0.017
	10/12/2017	0.01
	1/15/2018	0.00054
	4/9/2018	ND (<0.001)
	7/9/2018	0.0018
	10/12/2018	0.0085
	1/9/2019	0.006
	4/16/2019	0.006
	7/12/2019	0.0077
	10/14/2019	0.0047
	1/7/2020	0.0014
	4/15/2020	0.0047
	7/15/2020	0.0046
	7/15/2020	0.0047
	10/19/2020	0.0039
	1/14/2021	0.0048

SEE LAST PAGE OF TABLE FOR NOTES

TABLE D-1
HISTORICAL BENZENE ANALYTICAL DATA FOR SELECT GROUNDWATER MONITORING WELLS

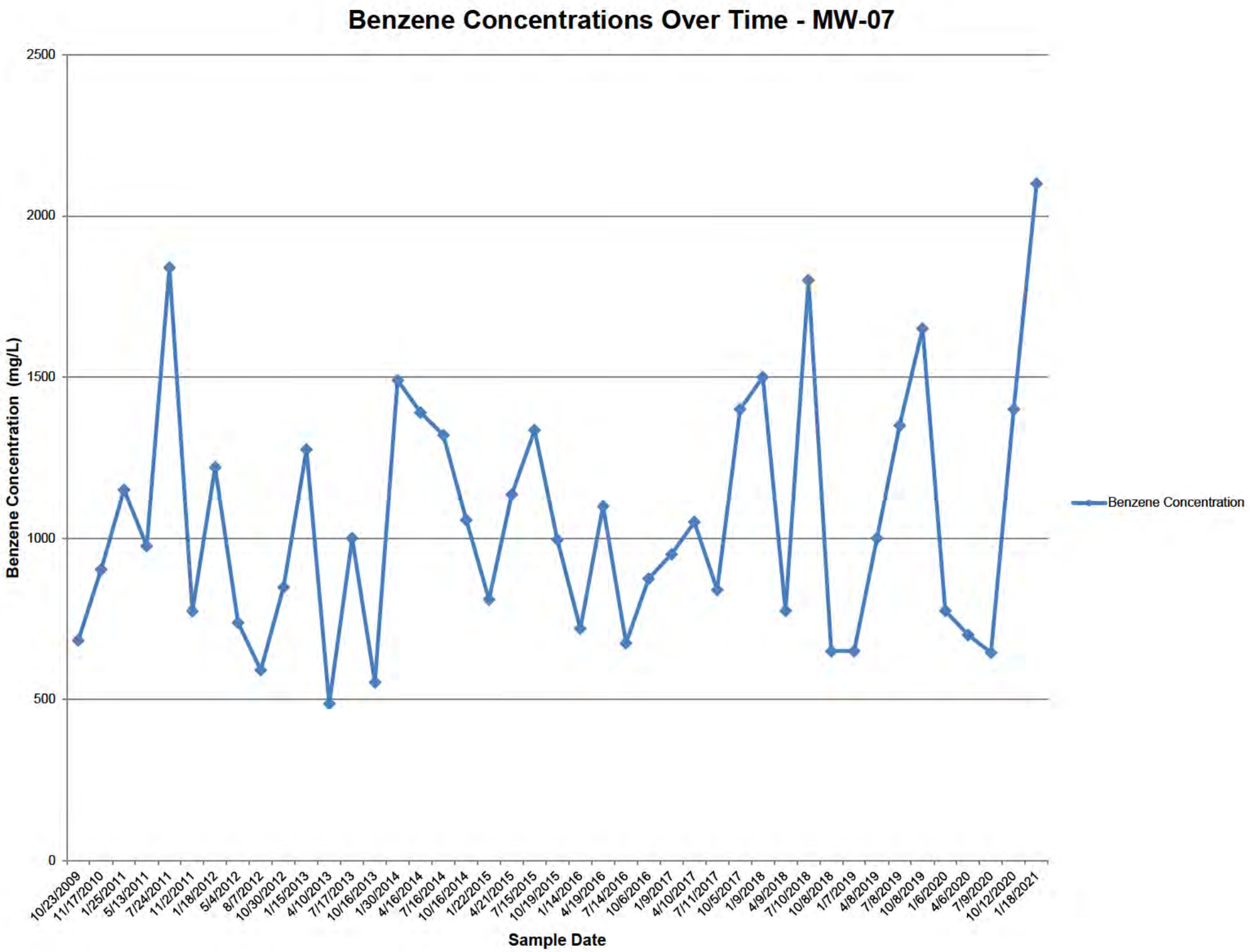
Location	Sample Date	Result (ug/L)
T-12	10/1/2010	2.87
	10/22/2010	4.674
	5/11/2011	2
	10/27/2011	1.09
	10/27/2011	1.4
	1/19/2012	1.51
	5/9/2012	1.7
	5/9/2012	1.48
	8/2/2012	1.64
	11/5/2012	2
	11/5/2012	2
	11/5/2012	1.71
	1/18/2013	2.03
	4/15/2013	2.2
	4/15/2013	2.2
	4/15/2013	1.61
	7/16/2013	1.65
	10/15/2013	1.1
	10/15/2013	2.02
	1/24/2014	2.48
	4/15/2014	2.07
	4/18/2014	1.4
	7/8/2014	2.1
	10/17/2014	1.5
	10/17/2014	1.4
	10/17/2014	1.83
	1/19/2015	2.02
	4/15/2015	2
	4/15/2015	1.7
	4/15/2015	1.69
	7/10/2015	2.3
	10/15/2015	2.5
	1/12/2016	1.5
	4/15/2016	1.4
	7/12/2016	1.6
	10/17/2016	1.7
	10/17/2016	2.1
	1/12/2017	1.5
	4/6/2017	1.4
	7/13/2017	1.2
	10/13/2017	1.4
	1/10/2018	2
	4/12/2018	1.7
	7/11/2018	2.1
	10/16/2018	2.2
	1/10/2019	2
	4/17/2019	1.8
	7/15/2019	1.7
	10/15/2019	2.6
	1/9/2020	1.7
	1/9/2020	1.8
	4/17/2020	1.6
	7/16/2020	2.1
	10/21/2020	1.4
	10/21/2020	1.5
	1/12/2021	1.6
	1/12/2021	1.6

Notes:

mg/L = milligrams per liter

ND = non-detect

Dates specific to available data.

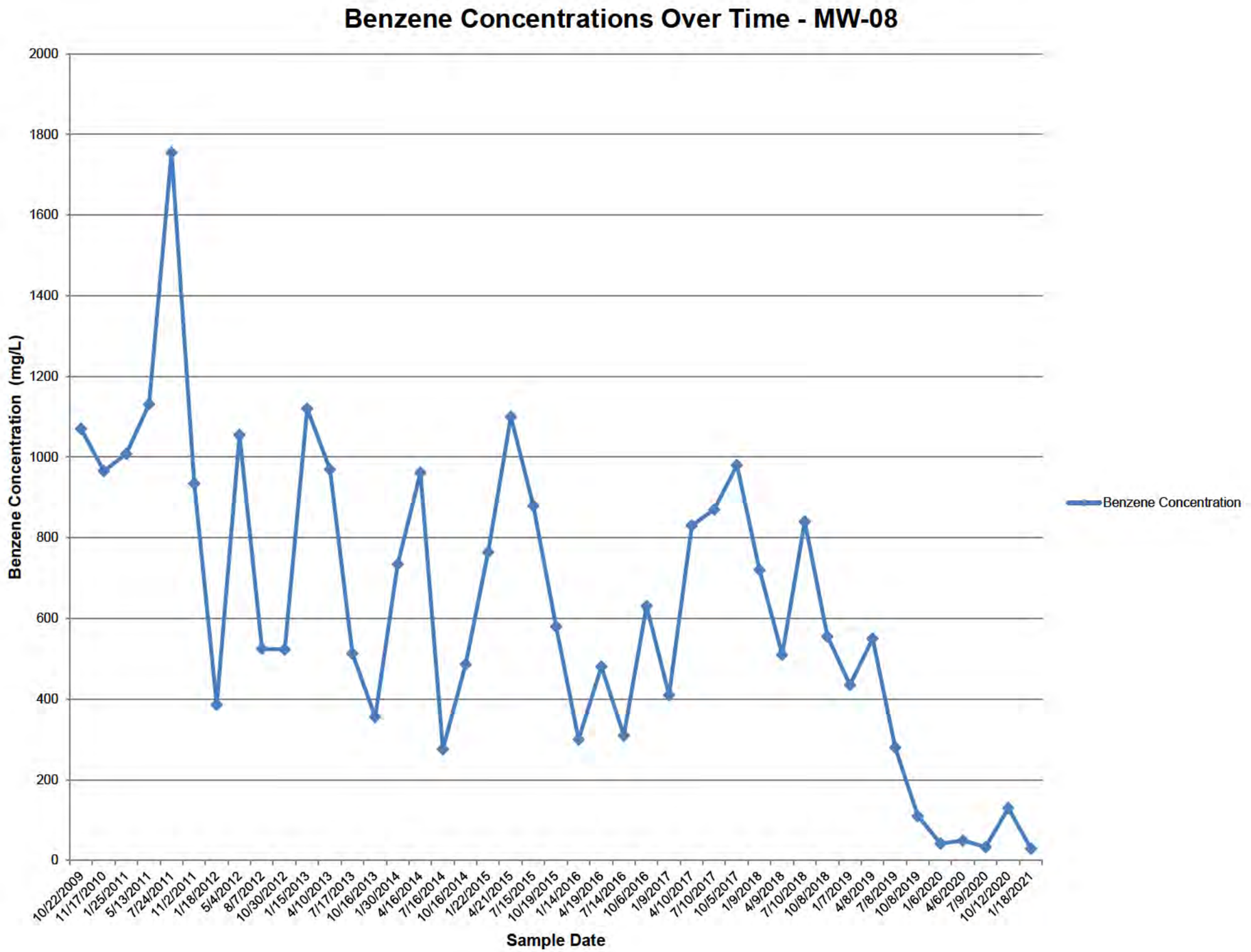


Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

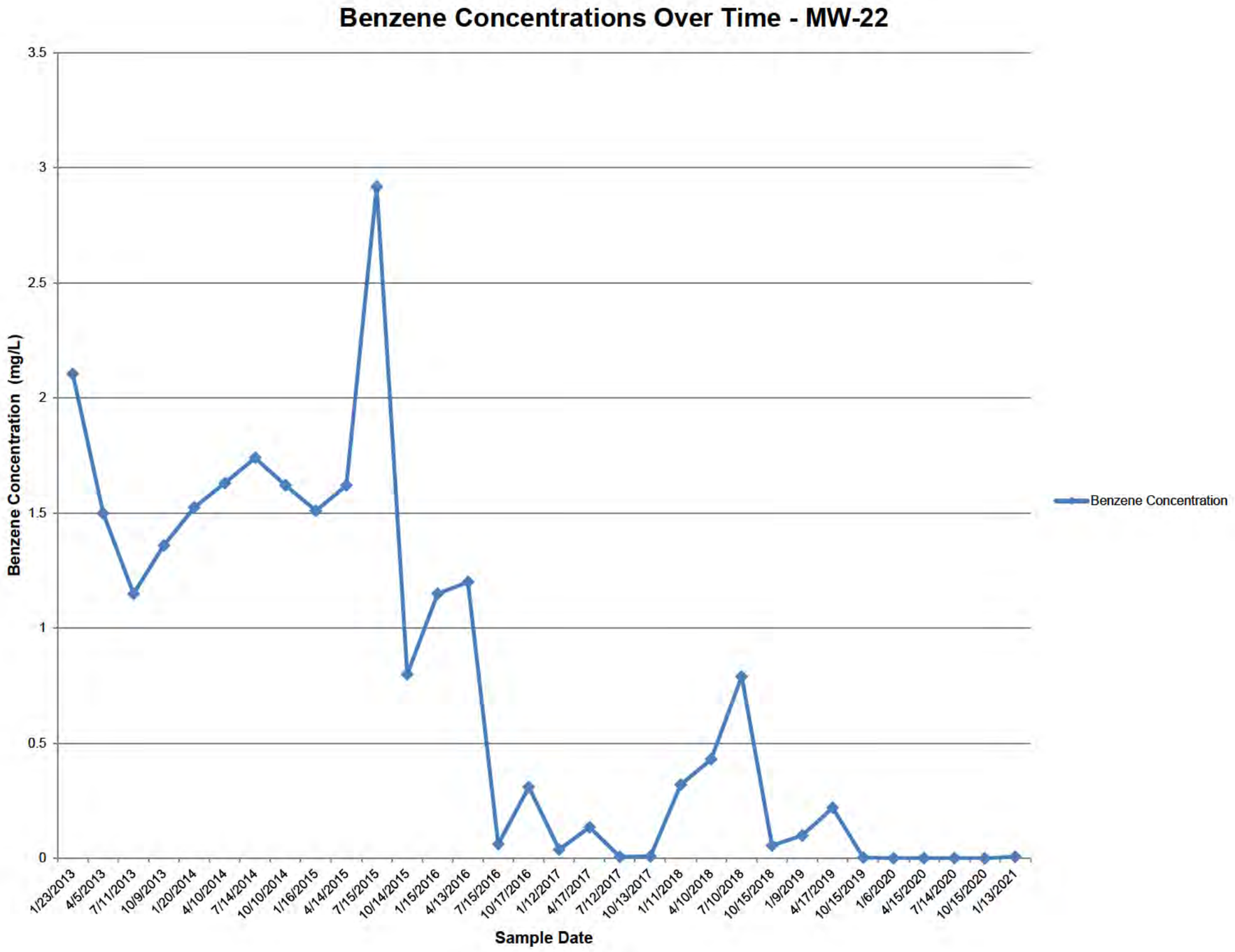


Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.



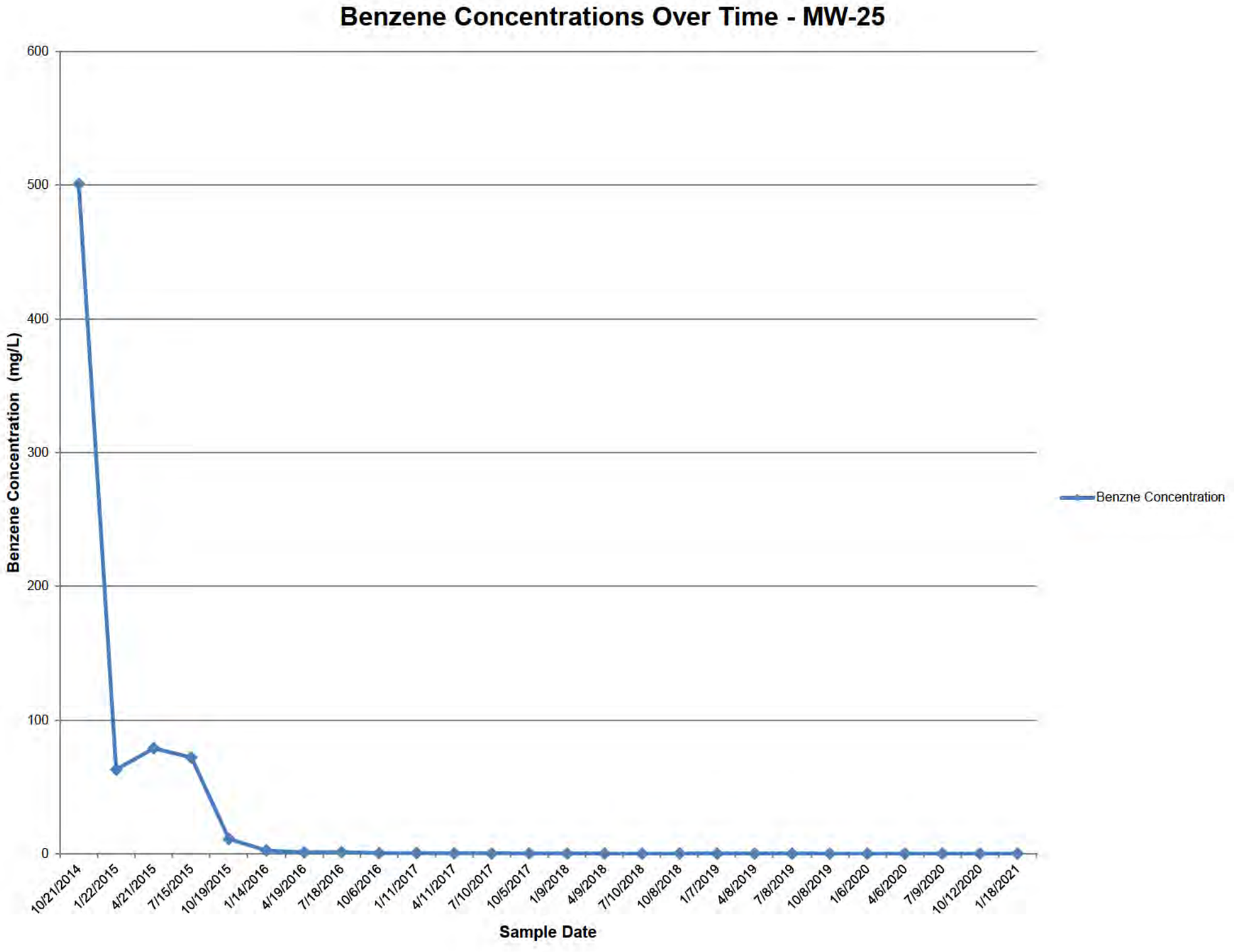
Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

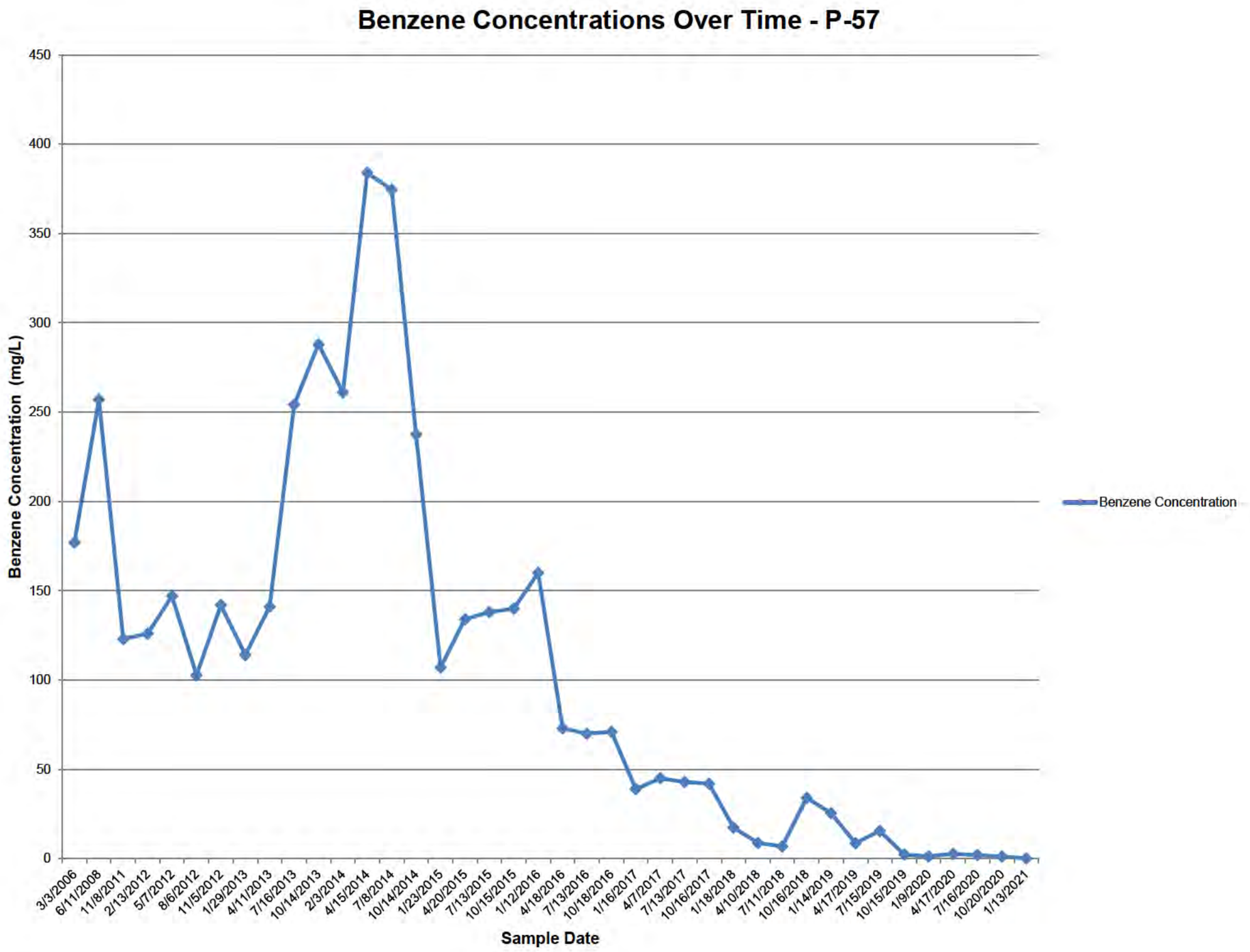
Non-detect values are shown at half the reporting limit.



Notes:

mg/L = milligrams per liter

Timeframe specific to available data.

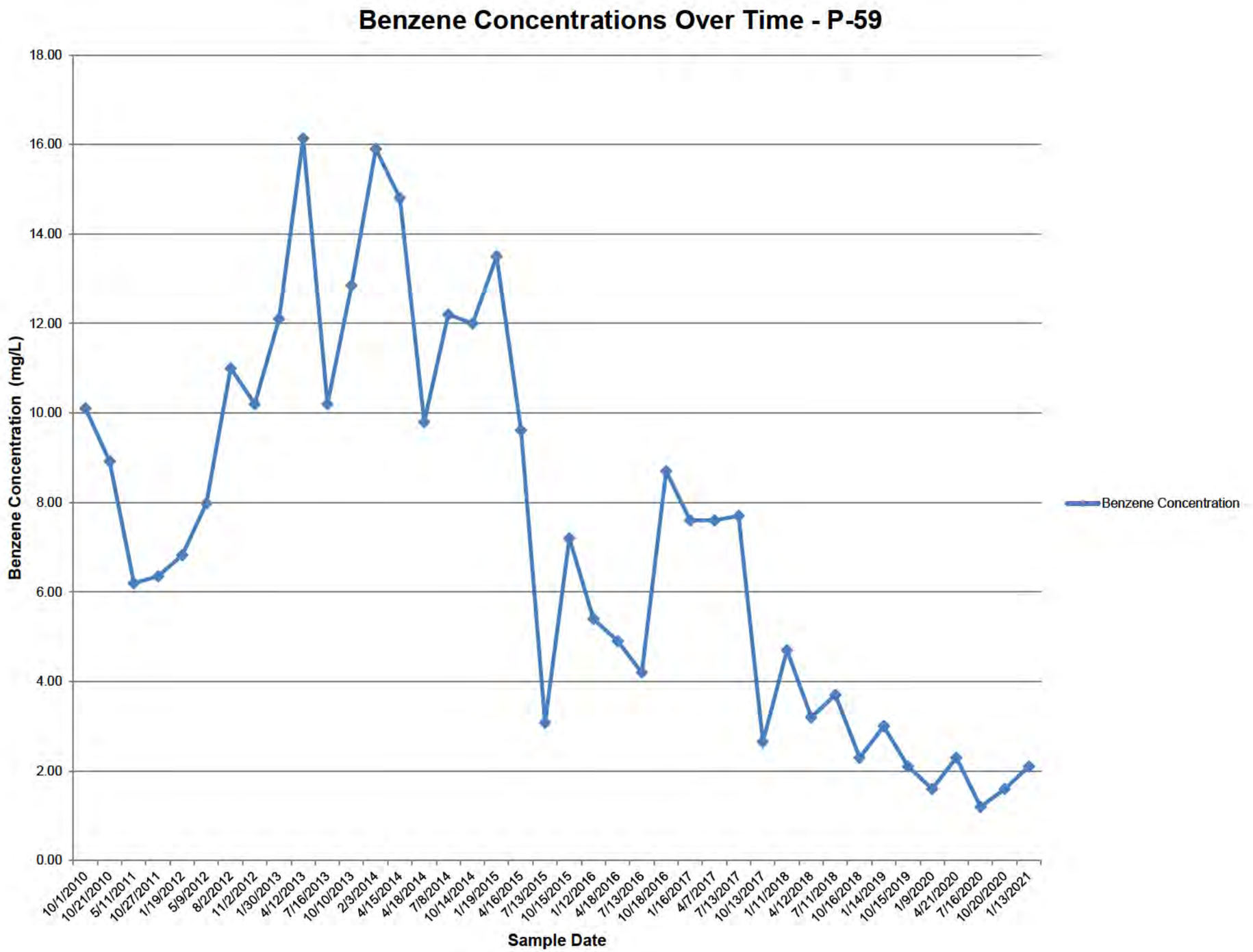


Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

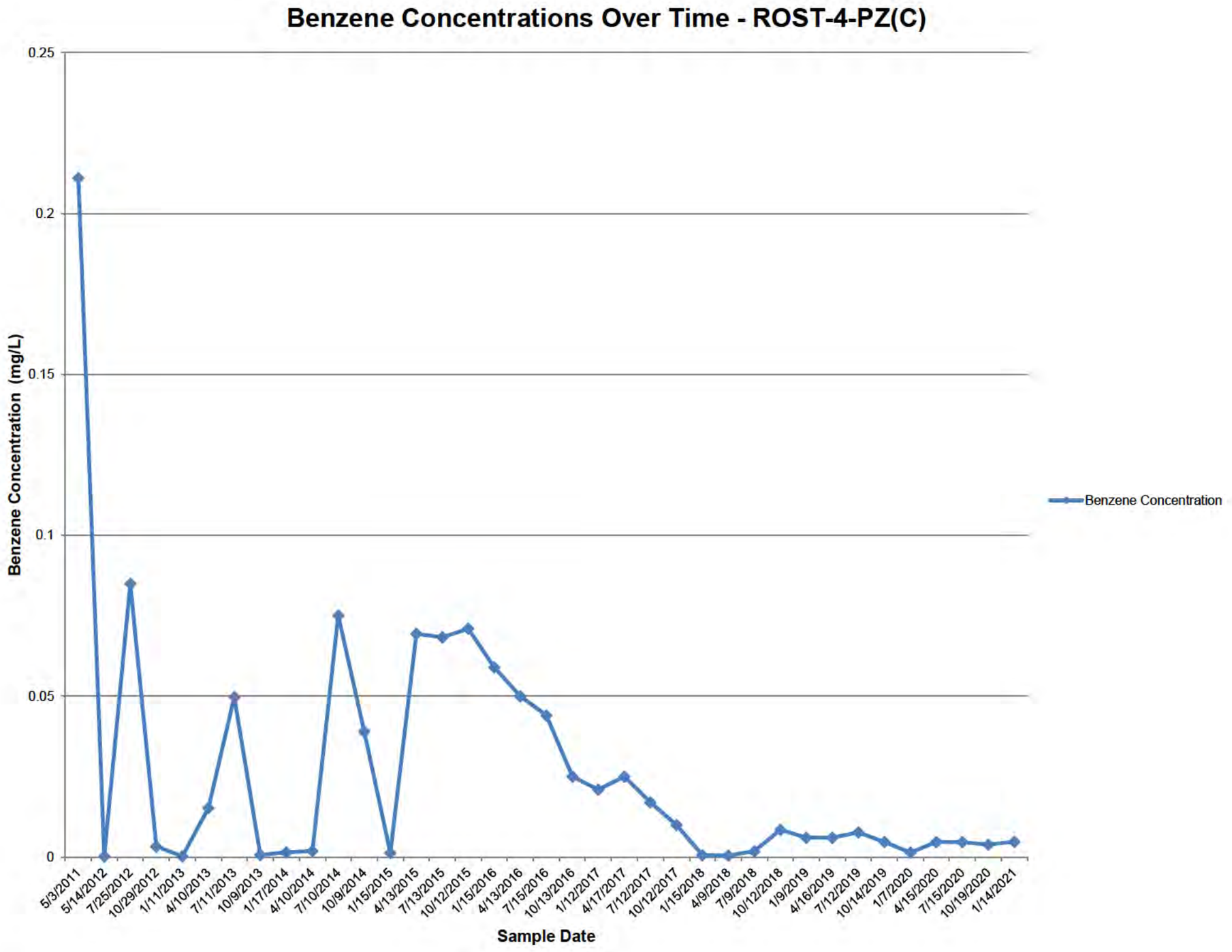


Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

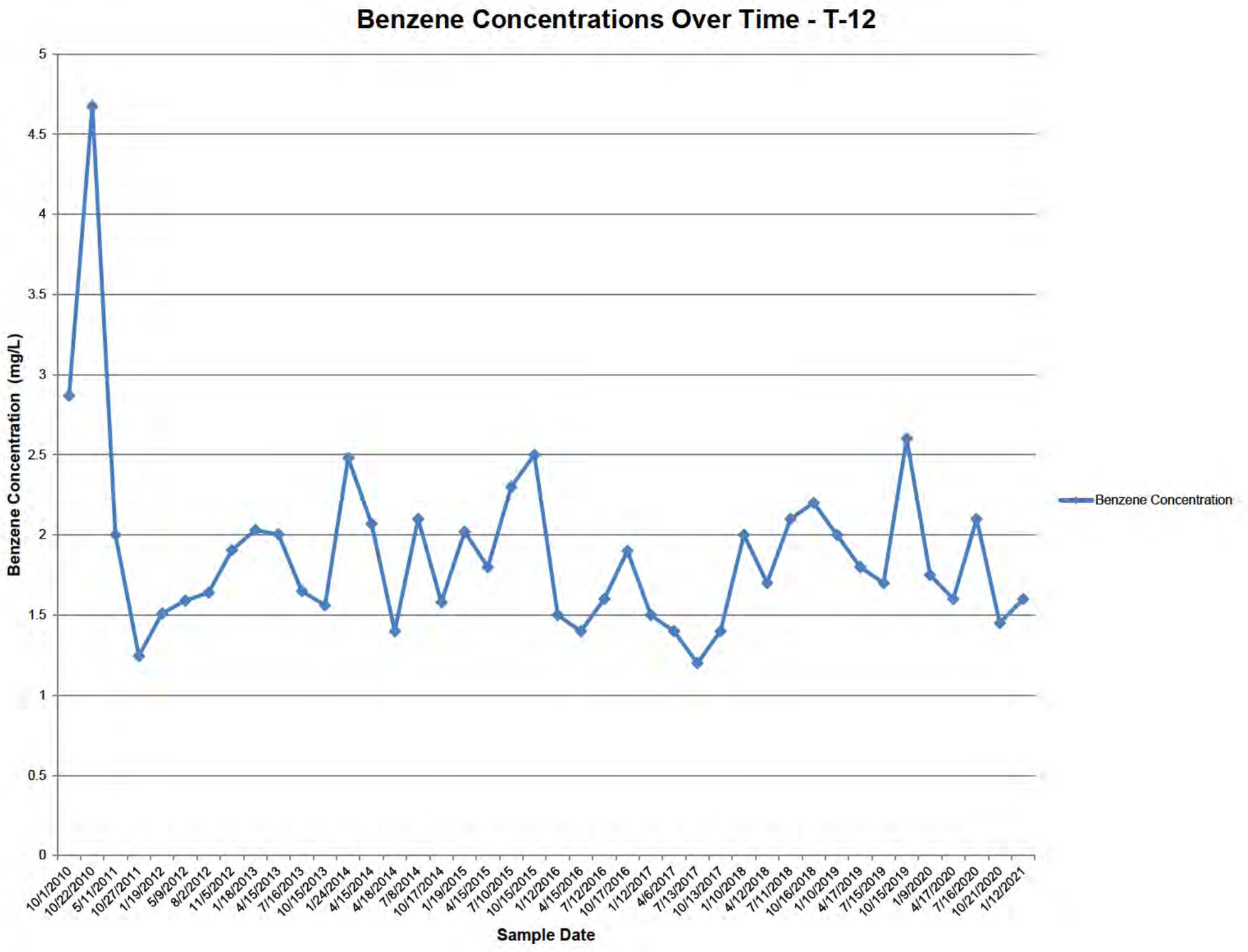


Notes:

mg/L = milligrams per liter

Timeframe specific to available data.

Non-detect values are shown at half the reporting limit.



Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

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