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)

2 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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July 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 – 2nd 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 Wendy Pennington at wendy.pennington@aecom.com (314/452-8929).

Sincerely,

AECOM, on behalf of Shell Oil Products US

Melissa Remiger
Environmental Scientist

Wendy Pennington
Project Manager

Enclosures: 2nd 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

2nd Quarter 2021 Report

Roxana Interim Groundwater Monitoring Program

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

Project Number: 60648474
July 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 2nd Quarter 2021 (2Q21) groundwater monitoring well gauging and sampling conducted in the Village of Roxana, Illinois (**Figure 1**). The Interim Groundwater Monitoring Program (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."

The bulleted list below summarizes current regulatory-related correspondence between AECOM, on behalf of SOPUS, and the IEPA during this reporting period (April 2021 through June 2021); prior regulatory-related correspondence which has not yet been addressed by IEPA can be found in **Appendix A**.

- During a June 24, 2021 a conference call among representatives of IEPA, SOPUS and AECOM, a high-level discussion of the Program was presented.

Groundwater samples were collected and analyzed during 2Q21 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 February 12, 2021 (AECOM, 2021).

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.

2.2 Additional Activities or Modifications

No additional work activities or modifications were conducted during 2Q21.

2.3 Groundwater Monitoring Well Gauging and Sampling

Groundwater Monitoring Well Gauging

The comprehensive quarterly groundwater monitoring well gauging event was conducted between April 5 and 7, 2021. The gauging activities were conducted in conjunction with the 2Q21 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 recorded. Quarterly groundwater monitoring well gauging results can be found in **Table 1**. 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 April 8 and 19, 2021. Groundwater samples were collected using the most current low-flow groundwater purging and sampling related SOPs, which have previously been provided to IEPA. Data are included in this report and discussed in **Section 3**.

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.

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.

For both sampling methods 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

[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.

measured and recorded after every flow-through cell volume. Once stabilization was achieved or a maximum purge time of two hours was reached, 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 and P-68, contained LNAPL when gauged and, therefore, were not sampled.

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 in accordance with project SOPs previously provided to IEPA 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, staged, 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 are managed as hazardous waste based on prior characterization in conjunction with generator knowledge, and decontamination fluid and purge water from other groundwater monitoring wells in the Village are managed as non-hazardous waste based on prior characterization in conjunction with generator knowledge; both hazardous and non-hazardous waste were 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. Evaluation of the data followed procedures outlined in the USEPA National Functional Guidelines for Organic Superfund Methods Data Review (USEPA, 2020). 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.

3 Groundwater Sampling Results

This section presents the results of the 2Q21 groundwater gauging and sampling event.

3.1 Groundwater Monitoring Well Gauging Results

The comprehensive quarterly groundwater monitoring well gauging for the 2Q21 event was conducted between April 5 and 7, 2021; groundwater elevation at MW-26 was measured on April 9, 2021 during the quarterly groundwater sampling event due to inability to access during the gauging event. This groundwater monitoring well gauging was conducted in accordance with the Interim Groundwater Monitoring Program, and the results can be found in **Table 1**. Groundwater levels in most wells in the vicinity of the West Fenceline have fallen approximately 0.25 to 1 feet since the 1Q21 gauging event. Groundwater levels in most wells in the central portion of the WRR have fallen approximately 0.75 feet, and groundwater levels in most wells in the eastern portion of the WRR have risen approximately 0.25 to 0.75 since the 1Q21 gauging event. Water levels are above the top of the screens in the majority of the wells gauged during the 2Q21 event. The potentiometric surface observed during the 2Q21 groundwater monitoring well gauging (**Figures 3a** and **3b**) illustrates an inward gradient with groundwater flow toward the WRR groundwater production wells.

During the 2Q21 quarterly groundwater monitoring well gauging event, LNAPL was detected in two Interim Groundwater Monitoring Program groundwater monitoring wells (P-55R and P-68) (**Table 1**). These monitoring wells are located in the WRR. In these wells, LNAPL thicknesses ranged from 0.02 to 0.06 feet. LNAPL was not observed in groundwater monitoring wells located in the Village. **Figures 4a** and **4b** illustrate the measured LNAPL thickness observed along the West Fenceline and inside the refinery, respectively, during the 2Q21 gauging event.

LNAPL thickness greater than 0.10 feet was not observed during 2Q21; therefore, LNAPL recovery efforts were not performed during 2Q21.

3.2 Data Quality Review Results

A total of 13 sample delivery groups (SDGs) were prepared and sent to TestAmerica for the 2Q21 event. Fifty-one different groundwater sample sets were prepared and analyzed for VOCs and SVOCs (including PAHs). The 53 samples included 42 different investigative sample sets, five field duplicate sets, and three matrix spike/matrix spike duplicate (MS/MSD) sets. SDGs for 2Q21 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 17 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. Due to anomalous bis(2-ethylhexyl) phthalate results, the laboratory re-extracted and re-analyzed for bis(2-ethylhexyl) phthalate in two investigative samples (P56-ROX-040921 and P57-ROX-041221-DUP) 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 1Q21 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 14 groundwater monitoring wells in the Interim Groundwater Monitoring Program (six in the Village, seven in the WRR along the West Fenceline, one in the WRR on Main Property) exhibited exceedances of the groundwater screening criteria for one or more of the following constituents:

- Benzene
- Naphthalene
- Benzo(a)anthracene
- bis(2-Ethylhexyl)phthalate
- Phenol
- Methyl tert-Butyl Ether (MTBE)
- 1,2,4-Trimethylbenzene
- Benzo(a)pyrene
- 2-Methylnaphthalene

Figure 5 presents concentrations of analytes that exceeded the indicated screening criteria for 2Q21. These findings are generally consistent with the results from previous sampling events. **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-1 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

Beginning in 2Q21, a Mann-Kendall analysis of the analytical benzene results from the eight sampled groundwater wells in the 4th Street and Public Works Yard areas was conducted. The Mann-Kendall analysis was performed using GWSDAT (GroundWater Spatio-Temporal Data Analysis Tool). As of 2Q21, statistically significant downward trends were displayed for six wells, no wells displayed statistically significant increasing trends, and the remaining two wells displayed trends that were not statistically significant. Results from the Mann-Kendall analysis conducted via GWSDAT are presented in **Appendix D-2**.

[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 2Q21 Interim Groundwater Monitoring Program, and the following conclusions are based on the data and information collected as part of this program:

- During 2Q21, 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 0.25 to 1 feet since the 1Q21 gauging event. Groundwater levels in most wells in the central portion of the WRR have fallen approximately 0.75 feet, and groundwater levels in most wells in the eastern portion of the WRR have risen 0.25 to 0.75 since the previous quarter.
- The analytical results from 2Q21 are generally similar to those from previous quarters.
- Benzene concentration plots presented in **Appendix D-1** continue to show stable or decreasing trends.
- GWSDAT charts presented in **Appendix D-2** show statistically significant downward trends displayed for six wells, no wells displayed statistically significant increasing trends, and the remaining two wells displayed trends that are not statistically significant.
- 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, 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.

AECOM, 2021 (AECOM, 2021); *Shell HAZWOPER Health and Safety Plan: Rand Avenue, Roxana / Route 111, and WRR Investigation and Remediation*. Prepared for Shell Oil Products US (SOPUS), dated February 4, 2021.

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 June 14, 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 June 14, 2021.

Illinois Environmental Protection Agency, 2013 (IEPA, 2013a); *Approval with Conditions for the Roxana 4Q10 and 2Q12 Groundwater Monitoring Program Reports.* Issued to Shell Oil Products US (SOPUS) and WRB Refining LP (WRB) Wood River Refinery (WRR), dated April 8, 2013.

Illinois Environmental Protection Agency, 2013 (IEPA, 2013b); *Response to Submittals received February 8, 2012; November 14, 2012; January 25, 2013; and March 14, 2013*. Issued to Shell Oil Products US (SOPUS) and WRB Refining LP (WRB) Wood River Refinery (WRR), dated July 18, 2013.

Illinois Environmental Protection Agency, 2014 (IEPA, 2014a); *Response to Class I* Permit Modification Requests.* Issued to Shell Oil Products US (SOPUS) and WRB Refining LP (WRB) Wood River Refinery (WRR), dated June 13, 2014.

Illinois Environmental Protection Agency, 2014 (IEPA, 2014b); *Response to Groundwater Monitoring Well Installation Plan Location on BP Property.* Issued to Shell Oil Products US (SOPUS) and WRB Refining LP (WRB) Wood River Refinery (WRR), dated October 9, 2014.

Illinois Environmental Protection Agency, 2014 (IEPA, 2014c); *Response to the Groundwater Portions of the Two Subject Submittals (Proposed Plan for Groundwater Corrective Action and Request for a 60-day Extension for Submittal of the Plan).* Issued to Shell Oil Products US (SOPUS) and WRB Refining LP (WRB) Wood River Refinery (WRR), dated November 25, 2014.

Illinois Environmental Protection Agency, 2015 (IEPA, 2015); *Approval of an April 3, 2013, Submittal Made on Behalf of Equilon Enterprises LLC and WRB Refining LP by Robert Billman, URS Corporation.* Issued to Shell Oil Products (SOPUS) and WRB Refining LP (WRB) Wood River Refinery (WRR), dated May 22, 2015.

Illinois Environmental Protection Agency, 2016 (IEPA, 2016a); *IEPA Approval of Perched Groundwater Monitoring Location Abandonments*. Issued to Shell Oil Products (SOPUS) and WRB Refining LP (WRB) Wood River Refinery (WRR), dated July 27, 2016.

Illinois Environmental Protection Agency, 2016 (IEPA, 2016b); *IEPA Approval Conditions and Modifications for the Response to IEPA Letter Dated April 8, 2013, for Groundwater Conditions Near East 3rd and Chaffer Streets (which was dated July 29, 2013*. Issued to Shell Oil Products (SOPUS) and WRB Refining LP (WRB Wood River Refinery (WRR), dated July 27, 2016.

Illinois Environmental Protection Agency, 2016 (IEPA, 2016c); *Response to Two Subject Submittals Submitted on Behalf of Shell Oil Products US (SOPUS) by URS Corporation (URS), in Regards to the WRB Refining, LLC Wood River Refinery (WRR) in Roxana, IL*. Issued to Shell Oil Products US (SOPUS) and WRB Refining LP (WRB) Wood River Refinery (WRR), dated February 23, 2016.

Illinois Environmental Protection Agency, 2017 (IEPA, 2017); *IEPA Approval to Reduce Gauging – Roxana Groundwater Monitoring Program*. Issued to Shell Oil Products US (SOPUS) and WRB Refining LP (WRB) Wood River Refinery (WRR), dated August 2, 2017.

Illinois Environmental Protection Agency Toxicity Assessment Unit; *Chemicals Not in TACO, Tier 1 Tables*, 2018 (IEPA, 2018). http://www.epa.state.il.us/land/taco/chemicals-not-in-taco-tier-1-tables.html. Accessed on June 14, 2021.

Illinois Environmental Protection Agency, 2019 (IEPA, 2019); *Groundwater Ordinances Reviewed for Use As Environmental Institutional Controls*. http://epadata.epa.state.il.us/land/gwordinance/municipality.asp?Municipality=Roxana. Emailed to Shell Oil Products US (SOPUS), dated November 7, 2019.

Illinois Environmental Protection Agency, 2020 (IEPA, 2020a); *Notice of Permit Renewal Application Incompleteness*. Issued to Shell Oil Products US (SOPUS) and WRB Refining LP (WRB) Wood River Refinery (WRR), dated June 30, 2020.

Illinois Environmental Protection Agency, 2020 (IEPA, 2020b); *Notice of Permit Completeness*. Issued to Shell Oil Products US (SOPUS) and WRB Refining LP (WRB) Wood River Refinery (WRR), dated October 30, 2020.

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URS Corporation, 2013 (URS, 2013a); *Roxana Perched Groundwater Monitoring Locations*; Prepared for Shell Oil Products US (SOPUS); dated August 16, 2013.

URS Corporation, 2013 (URS, 2013b); *Response to IEPA Letter April 8, 2013 – Groundwater Conditions near East 3rd and Chaffer Streets, Roxana, Illinois*; Prepared for Shell Oil Products US (SOPUS); dated July 29, 2013.

URS Corporation, 2013 (URS, 2013c); *Proposed Plan for Groundwater Corrective Action, Roxana, Illinois*; Prepared for Shell Oil Products US (SOPUS); dated November 14, 2013.

URS Corporation, 2014 (URS, 2014a); *Perched Groundwater Monitoring Locations*; Prepared for Shell Oil Products US (SOPUS); dated January 14, 2014.

URS Corporation, 2014 (URS, 2014b); *Perched Groundwater Monitoring Request for Abandonment*; Prepared for Shell Oil Products US (SOPUS); dated January 14, 2014.

URS Corporation, 2014 (URS, 2014c); *Request to Reduce Gauging – Roxana Groundwater Monitoring Program, Roxana IL*; Prepared for Shell Oil Products US (SOPUS); dated December 5, 2014.

U.S. Environmental Protection Agency, November 2020 (USEPA, 2020); *National Functional Guidelines for Organic Superfund Methods Data Review*.

Tables

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TABLE 1
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											
3Q18	442.65	7/2/2018	NE	41.36	NA	NA	NA	401.29	393.85 - 383.85 (48.80 - 58.80)	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	*
2Q21		4/5/2021	NE	37.66	NA	NA	NA	405.17		0.0	*
MW 02											
3Q18	443.77	7/2/2018	NE	42.78	NA	NA	NA	400.99	393.90 - 383.90 (49.87 - 59.87)	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	*
2Q21		4/5/2021	NE	38.94	NA	NA	NA	404.99		65.2	*
MW 03											
3Q18	430.08	7/2/2018	NE	28.32	NA	NA	NA	401.76	395.41 - 385.41 (34.67 - 44.67)	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	*
2Q21		4/5/2021	NE	24.90	NA	NA	NA	405.33		0.0	*
MW 04											
3Q18	441.14	7/2/2018	NE	39.73	NA	NA	NA	401.41	396.08 - 386.08 (45.06 - 55.06)	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	*
2Q21		4/5/2021	NE	36.08	NA	NA	NA	405.23		0.0	*
MW 05											
3Q18	429.80	7/2/2018	NE	27.99	NA	NA	NA	401.81	395.83 - 385.83 (33.97 - 43.97)	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	*
2Q21		4/6/2021	NE	24.60	NA	NA	NA	405.38		0.0	*

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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											
3Q18	432.14	7/2/2018	NE	30.05	NA	NA	NA	402.09	398.29 - 388.29 (33.85 - 43.85)	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	*
2Q21		4/6/2021	NE	26.61	NA	NA	NA	405.72		0.0	*
MW 06B											
3Q18	432.29	7/2/2018	NE	30.10	NA	NA	NA	402.19	368.24 - 363.24 (64.05 - 69.05)	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	*
2Q21		4/6/2021	NE	26.65	NA	NA	NA	405.72		0.0	*
MW 06C											
3Q18	432.11	7/2/2018	NE	29.90	NA	NA	NA	402.21	347.16 - 342.16 (84.95 - 89.95)	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	*
2Q21		4/6/2021	NE	26.44	NA	NA	NA	405.74		0.0	*
MW 06D											
3Q18	431.99	7/2/2018	NE	29.74	NA	NA	NA	402.25	327.27 - 322.27 (104.72 - 109.72)	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	*
2Q21		4/6/2021	NE	26.30	NA	NA	NA	405.76		0.0	*
MW 07											
3Q18	443.10	7/2/2018	NE	41.76	NA	NA	NA	401.34	400.18 - 390.18 (42.92 - 52.92)	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	*
2Q21		4/5/2021	NE	38.11	NA	NA	NA	405.20		393	*

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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											
3Q18	434.11	7/2/2018	NE	32.54	NA	NA	NA	401.57	400.51 - 390.51 (33.60 - 43.60)	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	*
2Q21		4/6/2021	NE	29.03	NA	NA	NA	405.40		3.6	*
MW 09											
3Q18	445.20	7/2/2018	NE	42.86	NA	NA	NA	402.34	399.16 - 389.16 (46.04 - 56.04)	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	*
2Q21		4/5/2021	NE	39.31	NA	NA	NA	405.97		0.0	*
MW 10											
3Q18	445.03	7/2/2018	NE	42.94	NA	NA	NA	402.09	400.60 - 390.60 (44.43 - 54.43)	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	*
2Q21		4/5/2021	NE	39.07	NA	NA	NA	405.99		0.0	*
MW 11											
3Q18	442.33	7/2/2018	NE	40.59	NA	NA	NA	401.74	400.67 - 390.67 (41.66 - 51.66)	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	*
2Q21		4/5/2021	NE	36.93	NA	NA	NA	405.45		0.0	*
MW 12											
3Q18	442.60	7/2/2018	NE	41.00	NA	NA	NA	401.60	400.68 - 390.68 (41.92 - 51.92)	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	*
2Q21		4/5/2021	NE	37.43	NA	NA	NA	405.21		0.0	*

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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											
3Q18	430.27	7/3/2018	NE	27.67	NA	NA	NA	402.60	405.47 - 395.47 (24.80 - 34.80)	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	*
2Q21		4/6/2021	NE	24.52	NA	NA	NA	405.78		0.0	*
MW 14											
3Q18	434.44	7/2/2018	NE	32.19	NA	NA	NA	402.25	401.02 - 391.02 (33.42 - 43.42)	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	*
2Q21		4/7/2021	NE	28.55	NA	NA	NA	406.06		43.3	*
MW 16											
3Q18	443.39	7/2/2018	NE	42.33	NA	NA	NA	401.06	405.89 - 395.89 (37.50 - 47.50)	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	
2Q21		4/5/2021	NE	38.45	NA	NA	NA	405.15		0.0	
MW 17											
3Q18	441.57	7/2/2018	NE	40.82	NA	NA	NA	400.75	407.28 - 392.28 (34.29 - 49.29)	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	
2Q21		4/5/2021	NE	36.61	NA	NA	NA	405.17		1.0	
MW 18											
3Q18	442.04	7/2/2018	NE	41.47	NA	NA	NA	400.57	407.12 - 392.12 (34.92 - 49.92)	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	
2Q21		4/5/2021	NE	37.20	NA	NA	NA	405.04		0.0	

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TABLE 1
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											
3Q18	442.77	7/2/2018	NE	42.08	NA	NA	NA	400.69	406.43 - 391.43 (36.34 - 51.34)	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	
2Q21		4/5/2021	NE	37.93	NA	NA	NA	405.05		0.0	
MW 20											
3Q18	443.67	7/2/2018	NE	42.88	NA	NA	NA	400.79	407.79 - 392.79 (35.88 - 50.88)	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	
2Q21		4/5/2021	NE	38.87	NA	NA	NA	404.99		0.0	
MW 21											
3Q18	443.81	7/2/2018	NE	42.74	NA	NA	NA	401.07	408.80 - 393.80 (35.01 - 50.01)	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	
2Q21		4/5/2021	NE	38.95	NA	NA	NA	405.06		0.0	
MW 22											
3Q18	442.16	7/2/2018	NE	41.00	NA	NA	NA	401.16	403.73 - 393.73 (38.43 - 48.43)	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	*
2Q21		4/5/2021	NE	37.10	NA	NA	NA	405.28		0.6	*
MW 23											
3Q18	431.41	7/2/2018	NE	29.19	NA	NA	NA	402.22	402.39 - 392.39 (29.02 - 39.02)	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	*
2Q21		4/5/2021	NE	26.03	NA	NA	NA	405.54		0.0	*

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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											
3Q18	443.42	7/2/2018	NE	41.86	NA	NA	NA	401.56	403.81 - 393.81 (39.61 - 49.61)	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	*
2Q21		4/5/2021	NE	38.28	NA	NA	NA	405.37		0.0	*
MW 25											
3Q18	438.35	7/2/2018	NE	36.82	NA	NA	NA	401.53	402.76 - 392.76 (35.59 - 45.59)	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	*
2Q21		4/6/2021	NE	33.24	NA	NA	NA	405.29		44.8	*
MW 26											
3Q18	441.02	7/2/2018	NE	39.71	NA	NA	NA	401.31	402.87 - 392.87 (38.15 - 48.15)	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	*
2Q21		4/9/2021	NE	35.92	NA	NA	NA	405.31		0.0	*
MW 27											
3Q18	443.40	7/2/2018	NE	41.16	NA	NA	NA	402.24	403.61 - 393.61 (39.79 - 49.79)	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	*
2Q21		4/6/2021	NE	37.68	NA	NA	NA	405.92		0.0	*
MW 28											
3Q18	443.34	7/2/2018	NE	40.14	NA	NA	NA	403.20	409.73 - 399.73 (33.61 - 43.61)	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	
2Q21		4/5/2021	NE	36.69	NA	NA	NA	406.86		0.0	

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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											
3Q18	442.73	7/3/2018	NE	31.03	NA	NA	NA	411.70	380.51 - 375.51 (62.22 - 67.22)	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	*
2Q21		4/6/2021	NE	27.39	NA	NA	NA	415.59		0.0	*
P 4U											
3Q18	442.54	7/3/2018	NE	32.61	NA	NA	NA	409.93	361.39 - 359.39 (81.15 - 83.15)	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	*
2Q21		4/7/2021	NE	28.80	NA	NA	NA	413.94		0.0	*
P 5L											
3Q18	443.84	7/3/2018	NE	32.59	NA	NA	NA	411.25	303.44 - 301.44 (140.40 - 142.40)	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	*
2Q21		4/7/2021	NE	28.14	NA	NA	NA	415.87		0.0	*
P 5U											
3Q18	444.24	7/3/2018	NE	33.86	NA	NA	NA	410.38	313.61 - 311.61 (130.63 - 132.63)	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	*
2Q21		4/7/2021	NE	29.79	NA	NA	NA	414.63		0.0	*
P 6U											
3Q18	443.45	7/3/2018	NE	33.39	NA	NA	NA	410.06	362.95 - 360.95 (80.50 - 82.50)	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	*
2Q21		4/7/2021	NE	29.26	NA	NA	NA	414.37		0.0	*

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TABLE 1
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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											
3Q18	443.91	7/3/2018	NE	33.65	NA	NA	NA	410.26	382.83 - 380.83 (61.08 - 63.08)	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	*
2Q21		4/7/2021	NE	29.34	NA	NA	NA	414.74		0.0	*
P 8U											
3Q18	441.85	7/3/2018	NE	33.88	NA	NA	NA	407.97	381.72 - 379.72 (60.13 - 62.13)	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	*
2Q21		4/7/2021	NE	30.01	NA	NA	NA	412.06		28.0	*
P 9U											
3Q18	445.04	7/3/2018	NE	38.51	NA	NA	NA	406.53	344.45 - 342.45 (100.59 - 102.59)	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	*
2Q21		4/6/2021	NE	34.81	NA	NA	NA	410.39		0.0	*
P 11L											
3Q18	442.55	7/3/2018	NE	34.66	NA	NA	NA	407.89	332.34 - 330.34 (110.21 - 112.21)	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	*
2Q21		4/7/2021	NE	30.99	NA	NA	NA	411.77		0.0	*
P 11U											
3Q18	443.17	7/3/2018	NE	35.25	NA	NA	NA	407.92	343.25 - 341.25 (99.92 - 101.92)	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	*
2Q21		4/7/2021	NE	31.80	NA	NA	NA	411.58		0.0	*

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TABLE 1
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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											
3Q18	442.74	7/3/2018	NE	31.10	NA	NA	NA	411.64	395.27 - 385.27 (47.47 - 57.47)	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	*
2Q21		4/6/2021	NE	27.50	NA	NA	NA	415.51		0.0	*
P 15											
3Q18	443.69	7/3/2018	NE	33.28	NA	NA	NA	410.41	398.24 - 388.24 (45.45 - 55.45)	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	*
2Q21		4/7/2021	NE	29.50	NA	NA	NA	414.38		0.0	*
P 16											
3Q18	442.68	7/3/2018	NE	32.29	NA	NA	NA	410.39	396.94 - 386.94 (45.74 - 55.74)	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	*
2Q21		4/7/2021	NE	28.20	NA	NA	NA	414.64		0.0	*
P 43											
3Q18	444.44	7/3/2018	NE	36.11	NA	NA	NA	408.33	380.88 - 370.88 (63.56 - 73.56)	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	*
2Q21		4/7/2021	NE	32.44	NA	NA	NA	412.18		0.0	*
P 53											
3Q18	446.41	7/2/2018	NE	42.12	NA	NA	NA	404.29	407.91 - 382.91 (38.50 - 63.50)	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	*
2Q21		4/6/2021	NE	38.57	NA	NA	NA	408.00		0.0	*

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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											
3Q18	442.32	7/2/2018	NE	40.51	NA	NA	NA	401.81	404.32 - 379.32 (38.00 - 63.00)	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	*
2Q21		4/5/2021	NE	37.06	NA	NA	NA	405.46		0.0	*
P 55R											
3Q18	443.79	7/2/2018	41.51	42.12	401.67	402.28	0.61	402.16	403.36 - 393.36 (40.43 - 50.43)	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	408.55	408.57	0.02	408.57		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	*
2Q21		4/5/2021	37.11	37.17	406.84	406.90	0.06	406.89		125	*
P 56											
3Q18	446.14	7/2/2018	NE	45.34	NA	NA	NA	400.80	405.32 - 380.32 (40.82 - 65.82)	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	
2Q21		4/5/2021	NE	41.38	NA	NA	NA	404.94		20.2	
P 57											
3Q18	446.96	7/2/2018	NE	45.89	NA	NA	NA	401.07	402.77 - 392.77 (44.19 - 54.19)	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	*
2Q21		4/5/2021	NE	42.15	NA	NA	NA	405.00		47.1	*
P 58											
3Q18	444.94	7/2/2018	NE	43.70	NA	NA	NA	401.24	404.73 - 379.73 (40.21 - 65.21)	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	*
2Q21		4/5/2021	NE	39.98	NA	NA	NA	405.18		0.0	*

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TABLE 1
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											
3Q18	446.86	7/2/2018	NE	46.26	NA	NA	NA	400.60	398.95 - 373.95 (47.91 - 72.91)	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	*
2Q21		4/5/2021	NE	42.14	NA	NA	NA	404.93		156	*
P 60											
3Q18	446.69	7/2/2018	45.61	45.62	401.07	401.08	0.01	401.08	402.04 - 382.04 (44.65 - 64.65)	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	*
2Q21		4/5/2021	NE	41.55	NA	NA	NA	405.33		0.0	*
P 61											
3Q18	444.47	7/2/2018	43.77	44.20	400.27	400.70	0.43	400.61	398.80 - 373.80 (45.68 - 70.68)	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	*
2Q21		4/5/2021	39.70	39.71	404.95	404.96	0.01	404.96		88.1	*
P 62											
3Q18	442.43	7/2/2018	41.38	42.49	399.94	401.05	1.11	400.83	400.96 - 375.96 (41.47 - 66.47)	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	*
2Q21		4/5/2021	37.36	37.37	405.23	405.24	0.01	405.24		160	*
P 63											
3Q18	445.85	7/3/2018	45.41	45.43	400.42	400.44	0.02	400.44	398.56 - 373.56 (47.29 - 72.29)	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	*
2Q21		4/6/2021	40.97	40.98	405.08	405.09	0.01	405.09		34.0	*

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TABLE 1
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											
3Q18	446.89	7/3/2018	46.69	46.73	400.16	400.20	0.04	400.19	399.66 - 374.66 (47.23 - 72.23)	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	*
2Q21		4/6/2021	42.17	42.19	404.59	404.61	0.02	404.61		164	*
P 65											
3Q18	444.60	7/3/2018	NE	43.58	NA	NA	NA	401.02	397.58 - 372.58 (47.02 - 72.02)	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	*
2Q21		4/6/2021	NE	39.76	NA	NA	NA	405.01		1.6	*
P 66											
3Q18	436.81	7/2/2018	NE	35.20	NA	NA	NA	401.61	402.09 - 377.09 (34.72 - 59.72)	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	*
2Q21		4/7/2021	NE	31.42	NA	NA	NA	405.58		49.1	*
P 67											
3Q18	444.10	7/2/2018	41.21	41.24	402.86	402.89	0.03	402.88	402.12 - 377.12 (41.98 - 66.98)	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	*
2Q21		4/7/2021	37.52	37.53	406.77	406.78	0.01	406.78		0.2	*
P 68											
3Q18	445.18	7/2/2018	44.25	44.32	400.86	400.93	0.07	400.92	401.42 - 376.42 (43.76 - 68.76)	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	*
2Q21		4/5/2021	40.04	40.06	405.32	405.34	0.02	405.34		157	*

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TABLE 1
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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											
3Q18	443.40	7/2/2018	NE	43.00	NA	NA	NA	400.40	402.58 - 377.58 (40.82 - 65.82)	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	*
2Q21		4/5/2021	NE	38.75	NA	NA	NA	405.02		59.2	*
P 70											
3Q18	442.95	7/2/2018	42.23	42.26	400.69	400.72	0.03	400.71	398.28 - 373.28 (44.67 - 69.67)	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	*
2Q21		4/5/2021	NE	38.01	NA	NA	NA	405.10		218	*
P 71											
3Q18	444.94	7/3/2018	NE	43.36	NA	NA	NA	401.58	402.33 - 377.33 (42.61 - 67.61)	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	*
2Q21		4/6/2021	NE	39.62	NA	NA	NA	405.47		5.0	*
P 72											
3Q18	444.49	7/3/2018	NE	42.90	NA	NA	NA	401.59	398.72 - 373.72 (45.77 - 70.77)	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	*
2Q21		4/6/2021	NE	39.06	NA	NA	NA	405.64		4.2	*
P 73											
3Q18	443.86	7/3/2018	NE	43.43	NA	NA	NA	400.43	402.27 - 377.27 (41.59 - 66.59)	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	*
2Q21		4/5/2021	NE	39.36	NA	NA	NA	404.66		62.9	*

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TABLE 1
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											
3Q18	442.72	7/2/2018	NE	42.35	NA	NA	NA	400.37	398.89 - 373.89 (43.83 - 68.83)	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 result 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	*
2Q21		4/5/2021	NE	37.98	NA	NA	NA	404.95		0.0	*
P 75											
3Q18	446.42	7/2/2018	NE	45.15	NA	NA	NA	401.27	403.29 - 378.29 (43.13 - 68.13)	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	*
2Q21		4/7/2021	NE	41.16	NA	NA	NA	405.52		72.1	*
P 82A											
3Q18	435.02	7/2/2018	NE	28.14	NA	NA	NA	406.88	401.81 - 386.81 (33.21 - 48.21)	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	*
2Q21		4/6/2021	NE	25.15	NA	NA	NA	409.79		0.0	*
P 82B											
3Q18	434.48	7/2/2018	NE	27.85	NA	NA	NA	406.63	371.68 - 369.68 (62.80 - 64.80)	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	*
2Q21		4/6/2021	NE	24.87	NA	NA	NA	409.81		0.0	*
P 82C											
3Q18	434.21	7/2/2018	NE	27.65	NA	NA	NA	406.56	351.44 - 349.44 (82.77 - 84.77)	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	*
2Q21		4/6/2021	NE	24.58	NA	NA	NA	409.83		0.0	*

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TABLE 1
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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											
3Q18	434.89	7/2/2018	NE	28.35	NA	NA	NA	406.54	323.35 - 321.35 (111.54 - 113.54)	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	*
2Q21		4/6/2021	NE	25.36	NA	NA	NA	409.73		0.0	*
P 83A											
3Q18	445.36	7/2/2018	NE	42.59	NA	NA	NA	402.77	398.71 - 383.71 (46.65 - 61.65)	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	*
2Q21		4/6/2021	NE	38.12	NA	NA	NA	407.42		0.0	*
P 83B											
3Q18	445.55	7/2/2018	NE	42.83	NA	NA	NA	402.72	371.75 - 369.75 (73.80 - 75.80)	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	*
2Q21		4/6/2021	NE	38.38	NA	NA	NA	407.39		0.0	*
P 83C											
3Q18	445.78	7/2/2018	NE	42.99	NA	NA	NA	402.79	353.39 - 351.39 (92.39 - 94.39)	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	*
2Q21		4/6/2021	NE	38.53	NA	NA	NA	407.42		0.0	*
P 83D											
3Q18	445.70	7/2/2018	NE	43.96	NA	NA	NA	401.74	311.90 - 309.90 (133.80 - 135.80)	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	*
2Q21		4/6/2021	NE	38.51	NA	NA	NA	407.35		0.0	*

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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											
3Q18	446.49	7/3/2018	NE	43.16	NA	NA	NA	403.33	397.57 - 382.57 (48.92 - 63.92)	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	*
2Q21		4/6/2021	NE	39.20	NA	NA	NA	407.43		0.0	*
P 84B											
3Q18	446.21	7/3/2018	NE	42.90	NA	NA	NA	403.31	372.71 - 370.71 (73.50 - 75.50)	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	*
2Q21		4/6/2021	NE	38.95	NA	NA	NA	407.40		0.0	*
P 84C											
3Q18	446.22	7/3/2018	NE	43.89	NA	NA	NA	402.33	352.17 - 350.17 (94.05 - 96.05)	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	*
2Q21		4/6/2021	NE	38.96	NA	NA	NA	407.41		0.0	*
P 84D											
3Q18	446.24	7/3/2018	NE	42.89	NA	NA	NA	403.35	325.41 - 323.41 (120.83 - 122.83)	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	*
2Q21		4/6/2021	NE	38.96	NA	NA	NA	407.42		0.0	*
P 88A											
3Q18	443.09	7/2/2018	NE	33.86	NA	NA	NA	409.23	404.69 - 389.69 (38.40 - 53.40)	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	*
2Q21		4/7/2021	NE	30.92	NA	NA	NA	412.35		0.0	*

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TABLE 1
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											
3Q18	443.16	7/2/2018	NE	33.84	NA	NA	NA	409.32	371.51 - 369.51 (71.65 - 73.65)	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	*
2Q21		4/7/2021	NE	31.00	NA	NA	NA	412.35		0.0	*
P 88C											
3Q18	443.13	7/2/2018	NE	33.88	NA	NA	NA	409.25	350.83 - 348.83 (92.30 - 94.30)	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	*
2Q21		4/7/2021	NE	30.91	NA	NA	NA	412.40		0.0	*
P 88D											
3Q18	443.20	7/2/2018	NE	34.09	NA	NA	NA	409.11	331.03 - 329.03 (112.17 - 114.17)	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	*
2Q21		4/7/2021	NE	31.06	NA	NA	NA	412.32		0.0	*
P 89B											
3Q18	447.44	7/3/2018	NE	41.39	NA	NA	NA	406.05	370.08 - 368.08 (77.36 - 79.36)	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	*
2Q21		4/6/2021	NE	37.78	NA	NA	NA	409.86		0.0	*
P 89C											
3Q18	447.76	7/3/2018	NE	42.09	NA	NA	NA	405.67	350.13 - 348.13 (97.63 - 99.63)	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	*
2Q21		4/6/2021	NE	38.13	NA	NA	NA	409.83		0.0	*

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TABLE 1
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											
3Q18	447.63	7/3/2018	NE	41.76	NA	NA	NA	405.87	307.29 - 305.29 (140.34 - 142.34)	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	*
2Q21		4/6/2021	NE	38.13	NA	NA	NA	409.70		0.0	*
P 91A											
3Q18	447.24	7/2/2018	NE	48.52	NA	NA	NA	398.72	395.72 - 380.72 (51.51 - 66.51)	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	*
2Q21		4/5/2021	NE	43.52	NA	NA	NA	403.91		2.0	*
P 91B											
3Q18	447.28	7/2/2018	NE	48.69	NA	NA	NA	398.59	372.59 - 370.59 (74.69 - 76.69)	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	*
2Q21		4/5/2021	NE	43.67	NA	NA	NA	403.80		1.5	*
P 91C											
3Q18	447.07	7/2/2018	NE	48.44	NA	NA	NA	398.63	352.34 - 350.34 (94.73 - 96.73)	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	*
2Q21		4/5/2021	NE	43.41	NA	NA	NA	403.86		0.0	*
P 91D											
3Q18	447.06	7/2/2018	NE	48.41	NA	NA	NA	398.65	278.74 - 276.74 (168.32 - 170.32)	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	*
2Q21		4/5/2021	NE	43.41	NA	NA	NA	403.85		0.0	*

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TABLE 1
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											
3Q18	446.24	7/3/2018	NE	45.69	NA	NA	NA	400.55	398.67 - 383.67 (47.57 - 62.57)	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	*
2Q21		4/6/2021	41.68	41.73	404.66	404.71	0.05	404.70		31.3	*
P 92B											
3Q18	446.18	7/3/2018	NE	45.65	NA	NA	NA	400.53	372.53 - 370.53 (73.65 - 75.65)	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	*
2Q21		4/6/2021	NE	41.64	NA	NA	NA	404.69		0.0	*
P 92C											
3Q18	446.17	7/3/2018	NE	45.60	NA	NA	NA	400.57	353.21 - 348.21 (92.96 - 97.96)	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	*
2Q21		4/6/2021	NE	41.64	NA	NA	NA	404.70		9.2	*
P 92D											
3Q18	446.00	7/3/2018	NE	45.50	NA	NA	NA	400.50	305.00 - 303.00 (141.00 - 143.00)	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	*
2Q21		4/6/2021	NE	41.49	NA	NA	NA	404.66		0.0	*
P 93A											
3Q18	445.12	7/2/2018	NE	44.03	NA	NA	NA	401.09	402.05 - 392.05 (43.07 - 53.07)	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	*
2Q21		4/5/2021	NE	40.33	NA	NA	NA	405.04		0.0	*

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TABLE 1
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											
3Q18	446.52	7/2/2018	NE	45.60	NA	NA	NA	400.92	371.64 - 369.64 (74.88 - 76.88)	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	*
2Q21		4/5/2021	NE	41.67	NA	NA	NA	405.03		0.0	*
P 93C											
3Q18	446.28	7/2/2018	NE	45.28	NA	NA	NA	401.00	353.40 - 348.40 (92.88 - 97.88)	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	*
2Q21		4/5/2021	NE	41.51	NA	NA	NA	405.04		0.0	*
P 93D											
3Q18	446.73	7/2/2018	NE	45.67	NA	NA	NA	401.06	320.98 - 318.98 (125.75 - 127.75)	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	*
2Q21		4/5/2021	NE	41.89	NA	NA	NA	405.08		0.0	*
P 94											
3Q18	445.14	7/2/2018	NE	37.80	NA	NA	NA	407.34	398.90 - 383.90 (46.24 - 61.24)	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	*
2Q21		4/6/2021	NE	33.81	NA	NA	NA	411.23		0.0	*
P 95											
3Q18	443.42	7/2/2018	NE	31.87	NA	NA	NA	411.55	406.90 - 391.90 (36.52 - 51.52)	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	*
2Q21		4/6/2021	NE	28.84	NA	NA	NA	415.11		0.0	*

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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											
3Q18	444.97	7/2/2018	NE	35.09	NA	NA	NA	409.88	402.22 - 382.22 (42.75 - 62.75)	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	*
2Q21		4/7/2021	NE	31.89	NA	NA	NA	413.25		19.1	*
P 114R											
3Q18	429.26	7/2/2018	NE	26.50	NA	NA	NA	402.76	406.25 - 396.25 (23.01 - 33.01)	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	
2Q21		4/6/2021	NE	23.60	NA	NA	NA	405.88		0.0	
P 115											
3Q18	433.36	7/2/2018	NE	30.38	NA	NA	NA	402.98	401.06 - 381.06 (32.30 - 52.30)	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 results 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	*
2Q21		4/6/2021	NE	27.54	NA	NA	NA	406.00		0.0	*
P 116											
3Q18	436.63	7/2/2018	NE	33.74	NA	NA	NA	402.89	399.19 - 379.19 (37.44 - 57.44)	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	*
2Q21		4/6/2021	NE	30.98	NA	NA	NA	405.81		0.0	*
P 117											
3Q18	432.71	7/2/2018	NE	29.92	NA	NA	NA	402.79	399.78 - 379.78 (32.93 - 52.93)	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	*
2Q21		4/6/2021	NE	27.19	NA	NA	NA	405.68		0.0	*

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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											
3Q18	431.31	7/2/2018	NE	28.63	NA	NA	NA	402.68	400.19 - 384.26 (31.12 - 47.05)	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	*
2Q21		4/6/2021	NE	25.98	NA	NA	NA	405.50		0.0	*
P 119											
3Q18	431.90	7/2/2018	NE	29.03	NA	NA	NA	402.87	401.23 - 385.30 (30.67 - 46.60)	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	*
2Q21		4/6/2021	NE	25.77	NA	NA	NA	406.34		0.0	*
P 120											
3Q18	432.82	7/2/2018	NE	29.04	NA	NA	NA	403.78	401.44 - 385.51 (31.38 - 47.31)	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	*
2Q21		4/6/2021	NE	25.94	NA	NA	NA	407.06		0.0	*
P 129											
3Q18	432.43	7/3/2018	NE	29.91	NA	NA	NA	402.52	400.46 - 384.53 (31.97 - 47.90)	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	*
2Q21		4/6/2021	NE	27.68	NA	NA	NA	404.98		0.0	*
ROST 3 MW											
3Q18	442.29	7/2/2018	NE	40.72	NA	NA	NA	401.57	404.48 - 394.48 (37.81 - 47.81)	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	*
2Q21		4/5/2021	NE	36.97	NA	NA	NA	405.55		36.1	*

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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											
3Q18	442.13	7/2/2018	NE	39.77	NA	NA	NA	402.36	407.20 - 397.20 (34.93 - 44.93)	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	
2Q21		4/5/2021	NE	36.43	NA	NA	NA	405.72		119	
ROST 4 PZ(A)											
3Q18	442.11	7/2/2018	NE	39.59	NA	NA	NA	402.52	407.34 - 397.34 (34.77 - 44.77)	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	*
2Q21		4/5/2021	NE	35.87	NA	NA	NA	406.28		0.6	
ROST 4 PZ(B)											
3Q18	442.38	7/2/2018	NE	40.02	NA	NA	NA	402.36	407.33 - 397.33 (35.05 - 45.05)	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	
2Q21		4/5/2021	NE	36.50	NA	NA	NA	405.90		0.0	
ROST 4 PZ(C)											
3Q18	442.66	7/2/2018	NE	40.88	NA	NA	NA	401.78	407.71 - 397.71 (34.95 - 44.95)	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	
2Q21		4/5/2021	NE	37.30	NA	NA	NA	405.67		0.0	
ROST 4 PZ(D)											
3Q18	442.98	7/2/2018	NE	40.77	NA	NA	NA	402.21	408.01 - 398.01 (34.97 - 44.97)	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	
2Q21		4/5/2021	NE	37.16	NA	NA	NA	405.76		0.0	

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TABLE 1
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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)											
3Q18	441.96	7/2/2018	NE	39.54	NA	NA	NA	402.42	407.21 - 397.21 (34.75 - 44.75)	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	
2Q21		4/5/2021	NE	36.33	NA	NA	NA	405.65		0.0	
ROST 4 PZ(F)											
3Q18	442.12	7/2/2018	NE	39.57	NA	NA	NA	402.55	407.59 - 397.59 (34.53 - 44.53)	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	
2Q21		4/5/2021	NE	36.58	NA	NA	NA	405.54		0.0	
ROST 4 PZ(G)											
3Q18	442.13	7/2/2018	NE	40.87	NA	NA	NA	401.26	407.85 - 397.85 (34.28 - 44.28)	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	
2Q21		4/5/2021	NE	36.84	NA	NA	NA	405.36		0.6	
S 1											
3Q18	443.90	7/3/2018	42.88	42.95	400.95	401.02	0.07	401.01	Unknown	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		61.8	
2Q21		4/6/2021	38.97	38.98	405.08	405.09	0.01	405.09		24.4	
T 1											
3Q18	445.40	7/2/2018	NE	43.16	NA	NA	NA	402.24	398.40 - 388.40 (47.00 - 57.00)	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	*
2Q21		4/5/2021	NE	39.36	NA	NA	NA	406.25		0.0	*

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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											
3Q18	443.21	7/2/2018	NE	41.40	NA	NA	NA	401.81	392.72 - 372.56 (50.49 - 70.64)	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	*
2Q21		4/5/2021	NE	37.27	NA	NA	NA	406.13		0.0	*
T 3											
3Q18	449.03	7/2/2018	NE	48.85	NA	NA	NA	400.18	403.81 - 388.81 (45.22 - 60.22)	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	*
2Q21		4/5/2021	NE	44.11	NA	NA	NA	405.10		0.0	*
T 4											
3Q18	446.63	7/3/2018	NE	46.96	NA	NA	NA	399.67	398.32 - 383.32 (48.31 - 63.31)	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	*
2Q21		4/6/2021	NE	42.40	NA	NA	NA	404.42		0.0	*
T 5											
3Q18	443.47	7/3/2018	NE	41.59	NA	NA	NA	401.88	395.14 - 378.59 (48.33 - 64.88)	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	*
2Q21		4/6/2021	NE	37.87	NA	NA	NA	405.79		3.8	*
T 6											
3Q18	446.61	7/2/2018	NE	45.61	NA	NA	NA	401.00	394.85 - 380.60 (51.76 - 66.01)	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	*
2Q21		4/5/2021	NE	41.83	NA	NA	NA	404.95		0.0	*

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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											
3Q18	444.04	7/2/2018	NE	41.17	NA	NA	NA	402.87	395.32 - 380.32 (48.72 - 63.72)	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	*
2Q21		4/7/2021	NE	37.48	NA	NA	NA	406.78		0.1	*
T 12											
3Q18	444.80	7/2/2018	NE	44.21	NA	NA	NA	400.59	397.97 - 371.97 (46.83 - 72.83)	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	*
2Q21		4/5/2021	NE	39.90	NA	NA	NA	405.09		0.0	*
T 13											
3Q18	443.96	7/2/2018	NE	40.85	NA	NA	NA	403.11	400.15 - 374.15 (43.81 - 69.81)	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	*
2Q21		4/5/2021	NE	37.16	NA	NA	NA	406.60		0.0	*
T 15											
3Q18	445.14	7/2/2018	NE	43.32	NA	NA	NA	401.82	397.10 - 371.10 (48.04 - 74.04)	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	*
2Q21		4/5/2021	NE	38.86	NA	NA	NA	406.49		0.0	*
T 17											
3Q18	446.01	7/2/2018	NE	41.25	NA	NA	NA	404.76	401.91 - 375.91 (44.10 - 70.10)	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	*
2Q21		4/6/2021	NE	37.18	NA	NA	NA	409.01		0.0	*

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TABLE 1
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											
3Q18	446.79	7/3/2018	NE	46.77	NA	NA	NA	400.02	396.02 - 370.02 (50.77 - 76.77)	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	*
2Q21		4/6/2021	NE	42.48	NA	NA	NA	404.51		4.5	*
T 21											
3Q18	443.99	7/2/2018	NE	32.04	NA	NA	NA	411.95	412.03 - 386.03 (31.96 - 57.96)	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	*
2Q21		4/6/2021	NE	28.96	NA	NA	NA	415.26		0.0	*
T 22											
3Q18	442.19	7/2/2018	NE	33.76	NA	NA	NA	408.43	410.64 - 384.94 (31.55 - 57.25)	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	*
2Q21		4/7/2021	NE	30.88	NA	NA	NA	411.49		0.0	*
T 23											
3Q18	432.69	7/2/2018	NE	26.63	NA	NA	NA	406.06	405.46 - 379.46 (27.23 - 53.23)	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	*
2Q21		4/7/2021	NE	23.57	NA	NA	NA	409.33		0.0	*
T 24											
3Q18	443.81	7/2/2018	42.79	42.87	400.94	401.02	0.08	401.00	402.31 - 376.66 (41.50 - 67.15)	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	*
2Q21		4/5/2021	38.72	38.74	405.26	405.28	0.02	405.28		0.0	*

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TABLE 1
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											
3Q18	444.43	7/2/2018	NE	41.39	NA	NA	NA	403.04	Unknown	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	
2Q21		4/6/2021	NE	37.07	NA	NA	NA	407.49		0.0	
T 37											
3Q18	447.25	7/3/2018	NE	41.26	NA	NA	NA	405.99	398.40 - 378.40 (48.85 - 68.85)	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	*
2Q21		4/6/2021	NE	37.63	NA	NA	NA	409.81		0.0	*
T 38											
3Q18	445.67	7/3/2018	NE	37.95	NA	NA	NA	407.72	396.53 - 376.53 (49.14 - 69.14)	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	*
2Q21		4/6/2021	NE	34.55	NA	NA	NA	411.34		0.0	*
T 62											
3Q18	431.99	7/2/2018	NE	28.77	NA	NA	NA	403.22	412.28 - 382.28 (19.71 - 49.71)	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	
2Q21		4/6/2021	NE	25.47	NA	NA	NA	406.69		0.0	
T 63											
3Q18	431.43	7/2/2018	NE	28.83	NA	NA	NA	402.60	411.45 - 381.45 (19.98 - 49.98)	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	
2Q21		4/6/2021	NE	25.10	NA	NA	NA	406.45		0.0	

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TABLE 1
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											
3Q18	428.93	7/2/2018	NE	25.63	NA	NA	NA	403.30	409.12 - 379.12 (19.81 - 49.81)	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	
2Q21		4/6/2021	NE	22.91	NA	NA	NA	406.19		85.6	

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 spec fic gravity of 0.80 for the wells in which LNAPL was identified.

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

4) btoc Below Top of Casing; ppm parts per mi lion; 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 we l.

6) Table includes comprehensive groundwater monitoring well gauging data for the last 12 quarters from the combined V llage 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.

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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							
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	
2Q21	7.12	18.00	1.041	34.61	0.64	3.1	
MW-02							
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	
2Q21	7.10	18.10	1.463	6 00	0.50	-265.8	
MW-03							
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	
2Q21	6 68	17.00	1.349	6 68	0.63	-126.7	

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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							
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	
2Q21	6.75	18.00	1.084	38.86	0.65	-88.7	
MW-05							
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	
2Q21	6 52	17.30	1.484	12.62	0.67	-106.5	
MW-06A							
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	
2Q21	6 55	19.40	1.005	85.15	0.43	-76 9	

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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-06B							
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	
2Q21	7.11	18.60	0.789	17.29	0.72	-98 2	
MW-06C							
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	
2Q21	7.18	18.60	0.708	6 60	0.64	-120.9	
MW-06D							
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	
2Q21	7.19	18.40	0.947	43.01	0.60	-133.5	

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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-07							
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	
2Q21	6 95	19.40	1.367	9 32	0.66	-84 2	
MW-08							
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	
2Q21	6 86	19.40	1.362	17.72	0.75	-123.3	
MW-09							
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	
2Q21	6 81	17.10	1.747	36.25	1.49	-89.7	

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
MW-10							
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	
2Q21	7 07	17.30	0.920	31.88	1.25	-107.1	
MW-11							
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	
2Q21	6.74	17.10	1.593	47.62	0.67	-76 8	
MW-12							
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	
2Q21	7 01	18.10	1.058	12.10	0.60	34.4	

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							
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	
2Q21	6 52	19.90	1.316	45.80	0.63	-107.8	
MW-14							
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	
2Q21	6 84	19.90	1.176	47.70	0.56	-111.3	
MW-16							
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	
2Q21	6 82	17.30	1.156	9 35	1.69	-13 3	

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							
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	
2Q21	6 95	19.00	1.252	22.96	0.62	-138.5	
MW-23							
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	
2Q21	6 52	18.10	1.094	45.02	0.69	-110.0	
MW-24							
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	
2Q21	6 84	17.40	1.354	37.66	0.77	8.7	

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
MW-25							
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	
2Q21	6 88	18.30	1.250	14.61	0.74	-108.3	
MW-26							
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	
2Q21	6 26	18.00	1.616	18.82	0.77	140.3	
MW-27							
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	35.10	35.1	
2Q21	6 89	16.60	0.971	7 04	2.77	123.0	

SEE LAST PAGE OF TABLE FOR NOTES

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							
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	
2Q21	6.43	17.50	1.640	26.49	0.71	-40.4	
P-54							
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	
2Q21	6 95	17.60	1.332	27.92	3.58	38.1	
P-55R							
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.
2Q21	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
P-56							
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	
2Q21	6 96	20.00	1.073	12.19	0.51	-170.1	
P-57							
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	
2Q21	6 87	21.00	1.093	8 84	0.60	-138.5	
P-58							
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.
2Q21	6 80	19.90	1.494	16.65	0.62	-126.0	

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
P-59							
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	
2Q21	6.73	22.20	1.170	6 80	0.63	-132.9	
P-66							
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	
2Q21	6 82	22.40	1.110	10.45	0.58	-139.9	
P-68							
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.
2Q21	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
P-74							
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	
2Q21	7 65	18.50	0.178	19.91	8.71	103.3	
P-93A							
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	
2Q21	6.74	21.30	1.210	1 26	0.73	-57 5	
P-93B							
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	
2Q21	6.75	18.20	1.307	16.18	0.67	-105.7	

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
P-93C							
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	
2Q21	1 05	19.50	1.100	10.39	0.63	-120.8	
P-93D							
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	
2Q21	7 08	18.20	1.209	7.71	0.87	-98 6	
P-114R							
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	
2Q21	7 37	21.40	0.712	18.91	0.45	-132.4	

SEE LAST PAGE OF TABLE FOR NOTES

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							
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	
2Q21	6 86	16.70	1.569	10.26	0.70	-94 0	
ROST-4-PZ(C)							
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	
2Q21	6 87	17.70	1.525	27.18	0.59	-148.0	
ROST-4-PZ(E)							
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.
2Q21	6 92	18.60	1.597	13.01	0.68	-120.2	

SEE LAST PAGE OF TABLE FOR NOTES

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)							
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	
2Q21	6 51	17.70	1.501	5 20	0.66	-81 0	
T-12							
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	
2Q21	6 97	20.10	1.722	5 69	0.66	-158.7	

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.

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-01	MW1-ROX-070618	7/6/2018	48.80 - 58.80	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		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
	MW1-ROX-041321	4/13/2021	48.80 - 58.80	37.72	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	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-02	MW2-ROX-071018	7/10/2018	49.87 - 59.87	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		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
	MW2-ROX-041521	4/15/2021	49.87 - 59.87	38.86	NE	<0.05	0.0012 J	<0.002 UJ	<0.05	<0.002	0.0023	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	<0.000029	<0.000019	<0.002	<0.002	<0.002	0.095	<0.002	0.023	<0.05	<0.002	0.0099
	MW2-ROX-041521-DUP	4/15/2021		38.86	NE	<0.05	<0.002	<0.002 UJ	<0.05	<0.002	0.0022	<0.002	<0.002	<0.002	<0.002	<0.002	0.0021	<0.00003	<0.00002	<0.002	<0.002	<0.002	0.09	<0.002	0.022	<0.05	<0.002	0.009
MW-03	MW3-ROX-070618	7/6/2018	34.67 - 44.67	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		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
	MW3-ROX-041321	4/13/2021	34.67 - 44.67	24.93	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	0.00063 J	<0.025	<0.001	<0.001
MW-04	MW4-ROX-071018	7/10/2018	45.06 - 55.06	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		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
	MW4-ROX-041921	4/19/2021	45.06 - 55.06	35.83	NE	<0.025	0.00059 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	0.0021	<0.001
MW-05	MW5-ROX-071018	7/10/2018	33.97 - 43.97	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		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
	MW5-ROX-041421	4/14/2021	33.97 - 43.97	24.53	NE	<0.025	<0.001	<0.001	<0.025	<0.001	<0.001	0.0013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.000028	<0.000018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.002	<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)**																						
MW-06A	MW6A-ROX-070518	7/5/2018	33.85 - 43.85	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		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
	MW6A-ROX-041421	4/14/2021	33.85 - 43.85	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	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-06B	MW6B-ROX-070518	7/5/2018	64.05 - 69.05	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		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
	MW6B-ROX-041421	4/14/2021	64.05 - 69.05	26.59	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	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-06C	MW6C-ROX-070518	7/5/2018	84.95 - 89.95	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		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
	MW6C-ROX-041421	4/14/2021	84.95 - 89.95	26.39	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	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-06D	MW6D-ROX-070518	7/5/2018	104.72 - 109.72	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		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
	MW6D-ROX-041421	4/14/2021	104.72 - 109.72	26.22	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	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<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)**																								
MW-07	MW7-ROX-071018	7/10/2018	42.92 - 52.92	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	<0.0003 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		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
	MW7-ROX-041921	4/19/2021	42.92 - 52.92	37.81	NE	<25 UJ	640	<1 UJ	<25 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<0.00003 UJ	<0.00002 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<25 UJ	<1 UJ	<1 UJ
	MW7-ROX-041921-DUP	4/19/2021		37.81	NE	<25 UJ	530	<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
MW-08	MW8-ROX-071018	7/10/2018	33.60 - 43.60	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		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
	MW8-ROX-041921	4/19/2021	33.60 - 43.60	28.71	NE	<25 UJ	290	<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
MW-09	MW9-ROX-070918	7/9/2018	46.04 - 56.04	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		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
	MW9-ROX-040821	4/8/2021	46.04 - 56.04	39.23	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	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-10	MW10-ROX-070918	7/9/2018	44.43 - 54.43	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		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
	MW10-ROX-040821	4/8/2021	44.43 - 54.43	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	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<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)**																					
MW-11	MW11-ROX-070918	7/9/2018	41.66 - 51.66	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		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
	MW11-ROX-041221	4/12/2021	41.66 - 51.66	36.96	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
MW-12	MW12-ROX-070618	7/6/2018	41.92 - 51.92	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		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
	MW12-ROX-041221	4/12/2021	41.92 - 51.92	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	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-13	MW13-ROX-070918	7/9/2018	24.80 - 34.80	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		24.49	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
	MW13-ROX-041221	4/12/2021	24.80 - 34.80	24.52	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	0.0015	<0.001
MW-14	MW14-ROX-071118	7/11/2018	33.42 - 43.42	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		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
	MW14-ROX-040921	4/9/2021	33.42 - 43.42	28.57	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	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-16	MW16-ROX-070618	7/6/2018	37.50 - 47.50	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		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
	MW16-ROX-040821	4/8/2021	37.50 - 47.50	38.35	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	<0.000031	<0.000021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<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)**																						
MW-22	MW22-ROX-071018	7/10/2018	38.43 - 48.43	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		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
	MW22-ROX-041521	4/15/2021	38.43 - 48.43	37.03	NE	<0.13	0.066	<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	0.53	<0.005	0.032	<0.13	<0.005	0.07
MW-23	MW23-ROX-070918	7/9/2018	29.02 - 39.02	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		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
	MW23-ROX-040921	4/9/2021	29.02 - 39.02	26.01	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	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-24	MW24-ROX-070618	7/6/2018	39.61 - 49.61	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		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
	MW24-ROX-041321	4/13/2021	39.61 - 49.61	38.31	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-25	MW25-ROX-071018	7/10/2018	35.59 - 45.59	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	0.00068 J	<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	0.00099 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		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
	MW25-ROX-041921	4/19/2021	35.59 - 45.59	32.97	NE	<0.025	0.032	<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-26	MW26-ROX-070618	7/6/2018	38.15 - 48.15	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		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
	MW26-ROX-040921	4/9/2021	38.15 - 48.15	35.96	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

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-27	MW27-ROX-070918	7/9/2018	39.79 - 49.79	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		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
	MW27-ROX-040821	4/8/2021	39.79 - 49.79	37.60	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	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
MW-28	MW28-ROX-070918	7/9/2018	33.61 - 43.61	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		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
	MW28-ROX-041621	4/16/2021	33.61 - 43.61	36.69	NE	<0.025	0.004	<0.001	<0.025	<0.001	0.0022	<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	0.0025	<0.025	0.069	<0.001
	MW28-ROX-041621-DUP	4/16/2021		36.69	NE	<0.025	0.004	<0.001	<0.025	<0.001	0.0013	<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	0.0014	<0.025	0.074	<0.001
P-54	P54-ROX-070618	7/6/2018	38.00 - 63.00	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		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
	P54-ROX-041321	4/13/2021	38.00 - 63.00	37.07	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
P-56	P56-ROX-071118	7/11/2018	40.82 - 65.82	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		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
	P56-ROX-040921	4/9/2021	40.82 - 65.82	41.31	NE	0.17	<0.001	<0.001	0.012 J	<0.001	0.00089 J	<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	0.0085	<0.025	<0.001	0.0016

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-57	P57-ROX-071118	7/11/2018	44.19 - 54.19	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		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
	P57-ROX-041221	4/12/2021	44.19 - 54.19	42.18	NE	<0.13	0.79	<0.005	<0.13	<0.005	0.0049 J	0.0051	0.0032 J	<0.005	<0.005	<0.005	<0.005	<0.00003	<0.00002	<0.005	<0.005	<0.005	0.0025 J	<0.005	0.022	<0.13	<0.005	0.046
	P57-ROX-041221-DUP	4/12/2021		42.18	NE	<0.13	0.81	<0.005	<0.13	<0.005	0.0052	0.005	0.0047 J	<0.005	<0.005	<0.005	<0.005	<0.00003	<0.00002	<0.005	<0.005	<0.005	0.0029 J	<0.005	0.023	<0.13	<0.005	0.049
P-58	P58-ROX-101618	10/16/2018	40.21 - 65.21	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
	P58-ROX-041421	4/14/2021	40.21 - 65.21	39.95	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	<0.5	<0.5	<0.5	<13	<0.5	<0.5
P-59	P59-ROX-071118	7/11/2018	47.91 - 72.91	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		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
	P59-ROX-041321	4/13/2021	47.91 - 72.91	42.27	NE	<0.5	2.5	<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	0.25	<0.02	0.041	<0.5	<0.02	0.17
P-66	P66-ROX-071118	7/11/2018	34.72 - 59.72	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		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
	P66-ROX-040921	4/9/2021	34.72 - 59.72	31.44	NE	<0.13	0.18	<0.005	<0.13	0.0046 J	0.0084	0.0042 J	<0.005	<0.005	<0.005	<0.005	<0.005	<0.00003	<0.00002	<0.005	<0.005	<0.005	0.013	<0.005	0.059	<0.13	<0.005	0.011
P-74	P74-ROX-071118	7/11/2018	43.83 - 68.83	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		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
	P74-ROX-041221	4/12/2021	43.83 - 68.83	37.84	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	<0.000031	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<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-93A	P93A-ROX-071218	7/12/2018	43.07 - 53.07	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		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
	P93A-ROX-041221	4/12/2021	43.07 - 53.07	40.34	NE	0.064 J	0.84	<0.005	<0.13	<0.005	<0.005	<0.005	0.003 J	<0.005	<0.005	<0.005	<0.005	<0.000029	<0.00002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.13	<0.005	<0.005
P-93B	P93B-ROX-071218	7/12/2018	74.88 - 76.88	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		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
	P93B-ROX-041421	4/14/2021	74.78 - 76.78	41.66	NE	<130	1300	<5	<130	<5	<5	<5	<5	<5	<5	<5	<5	<0.000028	<0.000019	<5	<5	<5	<5	<5	<5	<130	<5	<5
P-93C	P93C-ROX-071218	7/12/2018	92.88 - 97.88	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		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
	P93C-ROX-040921	4/9/2021	92.88 - 97.88	41.37	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	<0.00003	<0.00002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0029	<0.001
P-93D	P93D-ROX-071218	7/12/2018	125.75 - 127.75	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 UJ	<0.001	<0.001 UJ	<0.025	0.00095 J	<0.001
	P93D-ROX-011321	1/13/2021		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
	P93D-ROX-041421	4/14/2021	125.66 - 127.66	41.81	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	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	0.0014	<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-114R	P114R-ROX-070918	7/9/2018	23.01 - 33.01	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		23.81	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
	P114R-ROX-041221	4/12/2021	23.01 - 33.01	23.54	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
ROST-3-MW	ROST3MW-ROX-070518	7/5/2018	37.81 - 47.81	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		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
	ROST3MW-ROX-041321	4/13/2021	37.81 - 47.81	37.08	NE	<0.025	0.00099 J	<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	0.00063 J	<0.001	<0.001	<0.025	<0.001	<0.001
ROST-4-PZ(C)	ROST4PZC-ROX-070918	7/9/2018	34.95 - 44.95	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		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
	ROST4PZC-ROX-041521	4/15/2021	34.95 - 44.95	37.32	NE	<0.05	0.0017 J	<0.002 UJ	<0.05	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.000029	<0.000019	<0.002	<0.002	<0.002	0.0014 J	<0.002	0.0023	<0.05	<0.002	0.018
ROST-4-PZ(E)	ROST4PZE-ROX-071018	7/10/2018	34.75 - 44.75	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
	ROST4PZE-ROX-041621	4/16/2021	34.75 - 44.75	36.29	NE	<0.13	0.058	<0.005	<0.13	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.000031	<0.00002	<0.005	<0.005	<0.005	0.43	<0.005	0.017	<0.13	<0.005	0.13

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)**																					
ROST-4-PZ(G)	ROST4PZG-ROX-070918	7/9/2018	34.28 - 44.28	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		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
	ROST4PZG-ROX-041521	4/15/2021	34.28 - 44.28	36.88	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	<0.000029	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
	ROST4PZG-ROX-041521-DUP	4/15/2021		36.88	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	<0.000028	<0.000019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.025	<0.001	<0.001
T-12	T12-ROX-071118	7/11/2018	46.83 - 72.83	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		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
	T12-ROX-041321	4/13/2021	46.83 - 72.83	40.08	NE	<0.25	1.4	<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	0.011	<0.01	0.0065 J	<0.25	<0.01	0.018

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	Benzyl alcohol	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]	0.7 [3]		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-070618	7/6/2018	48.80 - 58.80	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	<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	<0.048	<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	<0.01	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	<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	<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 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	<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	<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 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	<0.0095 U	<0.0095	<0.0095
	MW1-ROX-011221	1/12/2021		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	<0.01
	MW1-ROX-041321	4/13/2021	48.80 - 58.80	37.72	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 UJ	<0.0002	<0.0002 UJ	<0.0002	<0.0002 UJ	<0.029	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098
MW-02	MW2-ROX-071018	7/10/2018	49.87 - 59.87	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	<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 UJ	<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 UJ	<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	<0.0099	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	<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	<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	<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 UJ	<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	<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	<0.0096	<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	<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 UJ	<0.0094	0.0049 J	<0.0094	<0.0094
	MW2-ROX-011421	1/14/2021		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	<0.011	<0.01 H UJ	<0.011	<0.011
	MW2-ROX-041521	4/15/2021	49.87 - 59.87	38.86	NE	0.033	<0.002	0.0031	0.011	0.0076	<0.002	0.045	0.0047 J	0.049	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0095 UJ	<0.0095	<0.0095	<0.0095	<0.0095
	MW2-ROX-041521-DUP	4/15/2021		38.86	NE	0.031	<0.002	0.0033	0.011	0.0074	<0.002	0.041	0.0048 J	0.046	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 UJ	<0.0096 UJ	<0.0096	<0.0096	<0.0096	<0.0096
MW-03	MW3-ROX-070618	7/6/2018	34.67 - 44.67	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	<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	<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	<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	<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	<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	<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 UJ	<0.00019 UJ	<0.00019 UJ	<0.029	<0.0095	<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	<0.0096	<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	<0.0096	<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 UJ	<0.0094	<0.0094	<0.0094
	MW3-ROX-010821	1/8/2021		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	<0.01
	MW3-ROX-041321	4/13/2021	34.67 - 44.67	24.93	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<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	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095
MW-04	MW4-ROX-071018	7/10/2018	45.06 - 55.06	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	<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	<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	<0.0095	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	<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	<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	<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	<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	<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	<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 UJ	<0.0094	<0.0094	<0.0094
	MW4-ROX-011821	1/18/2021		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	<0.0095
	MW4-ROX-041921	4/19/2021	45.06 - 55.06	35.83	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	<0.01
MW-05	MW5-ROX-071018	7/10/2018	33.97 - 43.97	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	<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 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	<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	<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	<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	<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	<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	<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	<0.0094	<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 UJ	<0.0095	<0.0095	<0.0095
	MW5-ROX-011121	1/11/2021		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	<0.01
	MW5-ROX-041421	4/14/2021	33.97 - 43.97	24.53	NE	<0.001	<0.001	0.00065 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	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097

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	Benzyl alcohol	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]	0.7 [3]		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-06A	MW6A-ROX-070518	7/5/2018	33.85 - 43.85	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	<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	<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	<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	<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	<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 UJ	<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	<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	<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 UJ	<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	<0.01
	MW6A-ROX-010721	1/7/2021		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	<0.01
	MW6A-ROX-041421	4/14/2021	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	<0.00019	<0.00019	0.000031 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096 UJ	<0.0096	<0.0096	<0.0096	<0.0096
MW-06B	MW6B-ROX-070518	7/5/2018	64.05 - 69.05	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	<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	<0.01	<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	<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	<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	<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 UJ	<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	<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	<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 UJ	<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	<0.0095
	MW6B-ROX-010721	1/7/2021		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	<0.01
	MW6B-ROX-041421	4/14/2021	64.05 - 69.05	26.59	NE	<0.001	<0.001	0.00042 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 UJ	<0.0096	<0.0096	<0.0096	<0.0096
MW-06C	MW6C-ROX-070518	7/5/2018	84.95 - 89.95	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	<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 U	<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	<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	<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	<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	<0.0099	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 UJ	<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 UJ	<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	<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	<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 UJ	<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	<0.0095
	MW6C-ROX-010721	1/7/2021		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 UJ	<0.0097	<0.0097	<0.0097	<0.0097
	MW6C-ROX-041421	4/14/2021	84.95 - 89.95	26.39	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	<0.0098	<0.0098	<0.0098
MW-06D	MW6D-ROX-070518	7/5/2018	104.72 - 109.72	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	<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	<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	<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	<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	<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 UJ	<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	<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	<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	<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 UJ	<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	<0.0095
	MW6D-ROX-010721	1/7/2021		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 UJ	<0.0097	<0.0097	<0.0097	<0.0097
	MW6D-ROX-041421	4/14/2021	104.72 - 109.72	26.22	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	<0.028 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ

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	Benzyl alcohol	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]	0.7 [3]		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-07	MW7-ROX-071018	7/10/2018	42.92 - 52.92	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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<0.0096	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	<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	<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	<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	<0.0099	<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 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 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 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 UJ	<0.0094	<0.0094	<0.0094
	MW7-ROX-011821	1/18/2021		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	<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	<0.0093	<0.0094 H UJ	<0.0093	<0.0093
	MW7-ROX-041921	4/19/2021	42.92 - 52.92	37.81	NE	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<5 UJ	<5 UJ	<10 UJ	<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	<0.01
	MW7-ROX-041921-DUP	4/19/2021		37.81	NE	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<5 UJ	<5 UJ	<10 UJ	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.031 UJ	<0.01 UJ	<0.01	<0.01	<0.01	<0.01
MW-08	MW8-ROX-071018	7/10/2018	33.60 - 43.60	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	<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	<0.0098	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	<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	<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	<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	<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	<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	<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	<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	<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 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 UJ	<0.0093	<0.0093	<0.0093
	MW8-ROX-011821	1/18/2021		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	<0.0094	<0.0095 H UJ	<0.0094	<0.0094
	MW8-ROX-041921	4/19/2021	33.60 - 43.60	28.71	NE	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<1 UJ	<5 UJ	<5 UJ	<10 UJ	<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	<0.011
MW-09	MW9-ROX-070918	7/9/2018	46.04 - 56.04	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	<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	<0.048	<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	<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	<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	<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	<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	<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 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	<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	<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	<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 UJ	<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	<0.0096 U	<0.0096	<0.0096
	MW9-ROX-011221	1/12/2021		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	<0.01
	MW9-ROX-040821	4/8/2021	46.04 - 56.04	39.23	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	<0.0095
MW-10	MW10-ROX-070918	7/9/2018	44.43 - 54.43	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	<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	<0.047	<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	<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	<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	<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 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	<0.0097	<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	<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	<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	<0.0095 U	<0.0095	<0.0095
	MW10-ROX-011221	1/12/2021		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	<0.01
	MW10-ROX-040821	4/8/2021	44.43 - 54.43	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	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095

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	Benzyl alcohol	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]	0.7 [3]		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-11	MW11-ROX-070918	7/9/2018	41.66 - 51.66	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	<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	<0.0098 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	<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	<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	<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 UJ	<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	<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	<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 UJ	<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	<0.0094 U	<0.0094	<0.0094
	MW11-ROX-011321	1/13/2021		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	<0.01
	MW11-ROX-041221	4/12/2021	41.66 - 51.66	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 UJ	<0.00019	<0.00019 UJ	<0.00019	<0.00019 UJ	<0.029	<0.0096	<0.0096	0.0058 J	<0.0096	<0.0096
MW-12	MW12-ROX-070618	7/6/2018	41.92 - 51.92	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	<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	<0.048	<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	<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	<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	<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 UJ	<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	<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	<0.0097	<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	<0.0094 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 UJ	<0.0095	<0.0095	<0.0095
	MW12-ROX-010721	1/7/2021		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	<0.011
	MW12-ROX-041221	4/12/2021	41.92 - 51.92	37.37	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<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	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096
MW-13	MW13-ROX-070918	7/9/2018	24.80 - 34.80	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	<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 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	<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	<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	<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	<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	<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	<0.0096	<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	<0.01 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 UJ	<0.0096	<0.0096	<0.0096
	MW13-ROX-010821	1/8/2021		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	<0.0096	0.0052 J	<0.0096	<0.0096
	MW13-ROX-041221	4/12/2021	24.80 - 34.80	24.52	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	0.00046	<0.00019	<0.00019 UJ	<0.00019	<0.00019 UJ	<0.00019	<0.00019 UJ	<0.029	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096
MW-14	MW14-ROX-071118	7/11/2018	33.42 - 43.42	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	<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	<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	<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	<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	<0.01	<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 UJ	<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	<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	<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 UJ	<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 UJ	<0.0096	<0.0096	<0.0096
	MW14-ROX-011121	1/11/2021		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	<0.0095
	MW14-ROX-040921	4/9/2021	33.42 - 43.42	28.57	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	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011
MW-16	MW16-ROX-070618	7/6/2018	37.50 - 47.50	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	<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	<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	<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	<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 UJ	<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	<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	<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	<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 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 UJ	<0.0093	<0.0093	<0.0093
	MW16-ROX-011321	1/13/2021		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	<0.01
	MW16-ROX-040821	4/8/2021	37.50 - 47.50	38.35	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ

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	Benzyl alcohol	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]	0.7 [3]		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-22	MW22-ROX-071018	7/10/2018	38.43 - 48.43	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	<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	<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	<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	<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 UJ	<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 UJ	<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	<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	<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	<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 UJ	<0.0095	<0.0095	<0.0095
	MW22-ROX-011321	1/13/2021		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	<0.0099
	MW22-ROX-041521	4/15/2021	38.43 - 48.43	37.03	NE	0.053	<0.005	0.045	0.33	0.055	<0.005	0.8	0.053	0.86	<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	<0.0096 H UJ
MW-23	MW23-ROX-070918	7/9/2018	29.02 - 39.02	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	<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	<0.048	<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	<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	<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	<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 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	<0.0096	<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	<0.0099	<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	<0.00019	0.000039 J	<0.00019	<0.029	<0.0096	<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	<0.0095
	MW23-ROX-010721	1/7/2021		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 UJ	<0.01	<0.01	<0.01	<0.01
	MW23-ROX-040921	4/9/2021	29.02 - 39.02	26.01	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	<0.00019 UJ	<0.00019	<0.00019 UJ	<0.028	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094
MW-24	MW24-ROX-070618	7/6/2018	39.61 - 49.61	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	<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	<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	<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	<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	<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	<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	<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	<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 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	<0.0094
	MW24-ROX-011121	1/11/2021		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	<0.01
	MW24-ROX-041321	4/13/2021	39.61 - 49.61	38.31	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<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 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ
MW-25	MW25-ROX-071018	7/10/2018	35.59 - 45.59	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	<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	<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	<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	<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	<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	<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	<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	<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 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 UJ	<0.0094	<0.0094	<0.0094
	MW25-ROX-011821	1/18/2021		33.11	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.029	<0.0097	<0.0097	<0.0097	<0.0097	<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	<0.0096	<0.0095 H UJ	<0.0096	<0.0096
	MW25-ROX-041921	4/19/2021	35.59 - 45.59	32.97	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	<0.01
MW-26	MW26-ROX-070618	7/6/2018	38.15 - 48.15	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	<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	<0.047	<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	<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	<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	<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	<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	<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	<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	<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 UJ	<0.0095	<0.0095	<0.0095
	MW26-ROX-010821	1/8/2021		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	<0.01
	MW26-ROX-040921	4/9/2021	38.15 - 48.15	35.96	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 UJ	<0.0096 UJ	<0.0096	<0.0096	<0.0096	<0.0096

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	Benzyl alcohol	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]	0.7 [3]		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-070918	7/9/2018	39.79 - 49.79	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	<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	<0.048	<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	<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	<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	<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 UJ	<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	<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	<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	<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	<0.0095
	MW27-ROX-010821	1/8/2021		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	<0.0095
	MW27-ROX-040821	4/8/2021		37.60	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	<0.0095
MW-28	MW28-ROX-070918	7/9/2018	33.61 - 43.61	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	<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	<0.0098 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 UJ	<0.0002 UJ	<0.0002	<0.03	<0.0099	<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	<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	<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 UJ	<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	<0.0096	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	<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 UJ	<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 UJ	<0.0094	0.0055 J H J	<0.0094	<0.0094
	MW28-ROX-011421	1/14/2021		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	<0.01 H UJ	<0.01	<0.01
	MW28-ROX-041621	4/16/2021	33.61 - 43.61	36.69	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	0.000047 J	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097
	MW28-ROX-041621-DUP	4/16/2021		36.69	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	<0.0096
P-54	P54-ROX-070618	7/6/2018	38.00 - 63.00	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	<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	<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	<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	<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	<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 UJ	<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	<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	<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 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	<0.0095
	P54-ROX-011121	1/11/2021		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	<0.011
	P54-ROX-041321	4/13/2021	38.00 - 63.00	37.07	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<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	<0.028	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094
P-56	P56-ROX-071118	7/11/2018	40.82 - 65.82	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	<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 UJ	<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	<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	<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	<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 UJ	<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	<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	<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	<0.00019	<0.029 UJ	<0.0097 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	<0.01
	P56-ROX-011221	1/12/2021		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	<0.0094
	P56-ROX-040921	4/9/2021	40.82 - 65.82	41.31	NE	0.0079	<0.001	0.0006 J	0.0017	0.00074 J	<0.001	0.0081	<0.005	0.0085 J	<0.00021	<0.00021	0.00009 J	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	<0.01	<0.01	<0.01 H UJ	<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	Benzyl alcohol	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]	0.7 [3]		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-071118	7/11/2018	44.19 - 54.19	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	<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	<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	<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	<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	<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	<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	<0.0098	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	<0.0099	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	<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	<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 UJ	<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 UJ	<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	<0.0096	<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	<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	<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 UJ	<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 UJ	<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	<0.0096	<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	<0.0096	<0.0095 H UJ	<0.0096	<0.0096
	P57-ROX-011321	1/13/2021		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	<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	<0.0095	<0.0094 H UJ	<0.0095	<0.0095
	P57-ROX-041221	4/12/2021	44.19 - 54.19	42.18	NE	0.025	<0.005	0.005	<0.005	<0.005	<0.005	<0.025	<0.025	<0.05	0.00024	<0.00021	<0.00021	<0.00021 UJ	<0.00021	<0.00021 UJ	<0.00021	<0.00021 UJ	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011
	P57-ROX-041221-DUP	4/12/2021		42.18	NE	0.027	<0.005	0.0056	<0.005	<0.005	<0.005	<0.025	<0.025	<0.05	0.0002	<0.0002	<0.0002	<0.0002 UJ	<0.0002	<0.0002 UJ	<0.0002	<0.0002 UJ	<0.03 UJ	<0.01 UJ	<0.01	<0.01 H UJ	<0.01	<0.01
P-58	P58-ROX-101618	10/16/2018	40.21 - 65.21	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	<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	<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	<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	<0.0097
	P58-ROX-041421	4/14/2021	40.21 - 65.21	39.95	NE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<5	0.00094	0.00032	<0.00021	0.00033	0.0003	0.00017 J	<0.00021	<0.00021	<0.031	<0.01 UJ	<0.01	<0.01	<0.01	<0.01
P-59	P59-ROX-071118	7/11/2018	47.91 - 72.91	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	<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	<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	<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 UJ	<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	<0.0096	<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	<0.0098	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 UJ	<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	<0.0095
	P59-ROX-011321	1/13/2021		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	<0.0094
	P59-ROX-041321	4/13/2021	47.91 - 72.91	42.27	NE	0.066	<0.02	0.15	0.14	0.065	<0.02	0.3	0.012 J	0.31	0.0003	<0.00021	<0.00021	<0.00021 U	<0.00021	0.000051 J	<0.00021	<0.00021	<0.032	<0.011	<0.011	<0.011	<0.011	<0.011
P-66	P66-ROX-071118	7/11/2018	34.72 - 59.72	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	<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	<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	<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	<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	<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	<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	<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 UJ	<0.0096	<0.0096	<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	<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	<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 UJ	<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 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 UJ	<0.0094	<0.0094	<0.0094
	P66-ROX-011121	1/11/2021		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	<0.0095
	P66-ROX-040921	4/9/2021	34.72 - 59.72	31.44	NE	0.093	<0.005	0.61	<0.005	<0.005	<0.005	0.038	0.024 J	0.062	0.0012	0.00026	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.03	<0.01	<0.01	<0.01	<0.01	<0.01
P-74	P74-ROX-071118	7/11/2018	43.83 - 68.83	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	<0.0097
	P74-ROX-101618	10/16/2018		42.18	NE	<0.001	<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	<0.029	<0.0097	<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	<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	<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	<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	<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	<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	<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	<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	<0.0094
	P74-ROX-011221	1/12/2021		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	<0.0095
	P74-ROX-041221	4/12/2021	43.83 - 68.83	37.84	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 UJ	<0.0002	<0.0002 UJ	<0.0002	<0.0002 UJ	<0.031	<0.01	<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	Benzyl alcohol	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]	0.7 [3]		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-93A	P93A-ROX-071218	7/12/2018	43.07 - 53.07	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	<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	<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	<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	<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	<0.0096	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 UJ	<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	<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	<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	<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 UJ	<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	<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	<0.0095
	P93A-ROX-011421	1/14/2021		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	<0.0094 H UJ	<0.0094	<0.0094
	P93A-ROX-041221	4/12/2021	43.07 - 53.07	40.34	NE	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.025	<0.025	<0.05	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.031	0.0035 J	<0.01	<0.01	<0.01	<0.01
P-93B	P93B-ROX-071218	7/12/2018	74.88 - 76.88	45.36	NE	<1	<1	<1	<1	<1	<1	<5	<5	<10	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<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	<5	<5	<10	<0.00019	<0.00019	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.029	<0.0097	<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 UJ	<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 UJ	<0.0096	<0.0096	<0.0096	<0.0096
	P93B-ROX-011119	1/11/2019		45.15	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	<0.0096	<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	<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	<0.0095
	P93B-ROX-041819	4/18/2019	74.78 - 76.78	44.33	NE	<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	<0.01
	P93B-ROX-041819-DUP	4/18/2019		44.33	NE	<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	<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	<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	<0.0099 H UJ
	P93B-ROX-101519	10/15/2019		39.62	NE	<1	<1	<1	<1	<1	<1	<5	<5	<10	<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	<0.0095
	P93B-ROX-101519-DUP	10/15/2019		39.62	NE	<1	<1	<1	<1	<1	<1	<5	<5	<10	<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	<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	<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	<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	<5	<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	<0.0099
	P93B-ROX-042020-DUP	4/20/2020		40.23	NE	<1	<1	<1	<1	<1	<1	<5	<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	<0.05
	P93B-ROX-071620	7/16/2020		39.75	NE	<1	<1	<1	<1	<1	<1	<5	<5	<10	<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	<0.0096
	P93B-ROX-071620-DUP	7/16/2020		39.75	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	<0.0099 UJ	<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	<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	<0.0095	<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	<0.0097	<0.0094 H UJ	<0.0097	<0.0097
	P93B-ROX-041421	4/14/2021	74.78 - 76.78	41.66	NE	<5	<5	<5	<5	<5	<5	<25	<25	<50	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	0.000063 J	<0.00021	<0.00021	<0.032	<0.011 UJ	<0.011	<0.011	<0.011	<0.011
P-93C	P93C-ROX-071218	7/12/2018	92.88 - 97.88	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	<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 UJ	<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	<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	<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	<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	<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	<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	<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	<0.0095	<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	<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	<0.0095
	P93C-ROX-040921	4/9/2021	92.88 - 97.88	41.37	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	<0.029	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096
P-93D	P93D-ROX-071218	7/12/2018	125.75 - 127.75	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	<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 UJ	<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	<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	<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	<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 UJ	<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 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	<0.0099	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	<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	<0.0094
	P93D-ROX-011321	1/13/2021		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	<0.0095	<0.0093 H UJ	<0.0095	<0.0095
	P93D-ROX-041421	4/14/2021	125.66 - 127.66	41.81	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 UJ	<0.01	0.0075 J	<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	Benzyl alcohol	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]	0.7 [3]		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-114R	P114R-ROX-070918	7/9/2018	23.01 - 33.01	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	<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 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 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	<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	<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	<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	<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	<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	<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	<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	<0.024	<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 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	<0.01	<0.0095 H UJ
	P114R-ROX-010821	1/8/2021		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	<0.0094
	P114R-ROX-041221	4/12/2021	23.01 - 33.01	23.54	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.01	<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	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096
ROST-3-MW	ROST3MW-ROX-070518	7/5/2018	37.81 - 47.81	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 U	<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	<0.048	<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	<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	<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	<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 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	<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	<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 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 UJ	<0.0094	0.0047 J H J	<0.0094	<0.0094
	ROST3MW-ROX-010821	1/8/2021		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	<0.011
	ROST3MW-ROX-041321	4/13/2021	37.81 - 47.81	37.08	NE	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	0.0016 J	0.000065 J	<0.00019	<0.00019	<0.00019 UJ	<0.00019	<0.00019 UJ	<0.00019	<0.00019 UJ	<0.029 H UJ	<0.0096 H UJ	<0.0096 H UJ	<0.0096 H UJ	<0.0096 H UJ	<0.0096 H UJ
ROST-4-PZ(C)	ROST4PZC-ROX-070918	7/9/2018	34.95 - 44.95	40.87	NE	0.00084 J	<0.001	<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	<0.011	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 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	<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	<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	<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 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	<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	<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	<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	<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 UJ	<0.0094	0.006 J H J	<0.0094	<0.0094
	ROST4PZC-ROX-011421	1/14/2021		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	<0.011	<0.011 H UJ	<0.011	<0.011
	ROST4PZC-ROX-041521	4/15/2021	34.95 - 44.95	37.32	NE	0.0037	<0.002	0.0025	0.0052	0.0012 J	<0.002	0.022	<0.01	0.022	0.0012	0.00018 J	0.00032	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096
ROST-4-PZ(E)	ROST4PZE-ROX-071018	7/10/2018	34.75 - 44.75	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	<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	<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	<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	<0.0098	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	<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	<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 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 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	<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 UJ	<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 UJ	<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 UJ	<0.0094	<0.0094 H UJ	<0.0094	<0.0094
	ROST4PZE-ROX-041621	4/16/2021	34.75 - 44.75	36.29	NE	0.028	<0.005	0.038	0.2	0.039	<0.005	0.51	0.068	0.57	0.0027	0.00036	0.0014	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095

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	Benzyl alcohol	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]	0.7 [3]		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(G)	ROST4PZG-ROX-070918	7/9/2018	34.28 - 44.28	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	<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 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	<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	<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	<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	<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	<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	<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	<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 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 UJ	<0.0095	<0.0095	<0.0095
	ROST4PZG-ROX-011321	1/13/2021		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	<0.00021	0.00011 J	<0.031	<0.01	<0.01	<0.01	<0.01	<0.01
	ROST4PZG-ROX-041521	4/15/2021	34.28 - 44.28	36.88	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	0.000049 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.029	<0.0097	<0.0097	<0.0097	<0.0097	<0.0097
	ROST4PZG-ROX-041521-DUP	4/15/2021		36.88	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	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095
T-12	T12-ROX-071118	7/11/2018	46.83 - 72.83	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	<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	<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	<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	<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	<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 UJ	<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	<0.0096	<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	<0.0096	<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	<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 UJ	<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	<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	<0.01
	T12-ROX-011221	1/12/2021		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	<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	<0.0095
	T12-ROX-041321	4/13/2021	46.83 - 72.83	40.08	NE	0.01	<0.01	0.028	0.0082 J	0.0078 J	<0.01	0.049 J	<0.05	0.052 J	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.032	<0.011	<0.011	0.0054 J	<0.011	<0.011

SEE LAST PAGE OF TABLE FOR NOTES

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	4-Nitrophenylamine	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]	**0.028** [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-070618	7/6/2018	48.80 - 58.80	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	<0.011	<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	<0.024	<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	<0.01	<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	<0.0097	<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	<0.0096	<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	<0.0097	<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	<0.0096	<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	<0.0099 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	<0.0094	<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	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW1-ROX-011221	1/12/2021		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	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
	MW1-ROX-041321	4/13/2021	48.80 - 58.80	37.72	NE	<0.0002 UJ	<0.0002	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0002	<0.0002	<0.0098	<0.0002	0.00008 J	0.00016 J	<0.0096 H UJ	<0.019 H UJ	<0.0098	<0.0098	<0.02	<0.0002	<0.0098	<0.0002	<0.0098
MW-02	MW2-ROX-071018	7/10/2018	49.87 - 59.87	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	<0.011	<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	<0.0098	<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	<0.0097	<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	<0.0099	<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	<0.0099	<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	<0.0099	<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	<0.0095	<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	<0.013	<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	<0.0096	<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	<0.0096	0.0014 J	<0.00019	0.018	0.032	<0.0096	0.0011 J	<0.0096	<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	<0.0098	<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	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094 UJ
	MW2-ROX-011421	1/14/2021		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	<0.011	<0.021	<0.00021	<0.011	<0.00021	<0.011
	MW2-ROX-041521	4/15/2021	49.87 - 59.87	38.86	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095 UJ	<0.0095	<0.0095	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	0.0078 J	0.007 J	<0.0095 UJ	<0.019 UJ	<0.0095	<0.0095	<0.019 UJ	<0.00019	<0.0095 UJ	<0.00019	<0.0095
	MW2-ROX-041521-DUP	4/15/2021		38.86	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	0.0042 J	0.0037 J	<0.0096 UJ	<0.019 UJ	<0.0096	<0.0096	<0.019 UJ	<0.00019	<0.0096 UJ	<0.00019	<0.0096
MW-03	MW3-ROX-070618	7/6/2018	34.67 - 44.67	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	<0.011	<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	<0.0098	<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	<0.01	<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	<0.0095	<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	<0.01	<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	<0.0095 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	<0.0095	<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	<0.0096	<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	<0.0096	<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	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094 UJ
	MW3-ROX-010821	1/8/2021		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	<0.01	<0.021	<0.00021	<0.01	0.000052 J	<0.01
	MW3-ROX-041321	4/13/2021	34.67 - 44.67	24.93	NE	<0.00019 H UJ	<0.00019 H UJ	<0.0095	0.00048 J	<0.0095	<0.0095	<0.0095	<0.0095	<0.00019 H UJ	<0.00019 H UJ	<0.0095	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.0096 H UJ	<0.019 H UJ	<0.0095	<0.0095	<0.019	<0.00019 H UJ	<0.0095	<0.00019 H UJ	<0.0095
MW-04	MW4-ROX-071018	7/10/2018	45.06 - 55.06	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	<0.0098	<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	<0.0097	<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	<0.0095	<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	<0.0096	<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	<0.01	<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	<0.0095	<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	<0.0096	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	<0.01	<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	<0.0096	<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	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094 UJ
	MW4-ROX-011821	1/18/2021		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	<0.0095	<0.019	<0.00076	<0.0095	<0.00076	<0.0095
	MW4-ROX-041921	4/19/2021	45.06 - 55.06	35.83	NE	<0.00021	<0.00021	<0.01	0.00061 J	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	<0.00021	0.00014 J	<0.00021	<0.01	<0.021	<0.01	<0.01	<0.021	<0.00021	<0.01	<0.00021 U	<0.01
MW-05	MW5-ROX-071018	7/10/2018	33.97 - 43.97	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	<0.011	<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	<0.011	<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	<0.0098	<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	<0.0098	<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	<0.0096 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	<0.0095	<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	<0.0096	<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	<0.01	<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	<0.0094	<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	<0.0095	<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	<0.01	<0.021	<0.00021	<0.01	0.000041 J	<0.01
	MW5-ROX-041421	4/14/2021	33.97 - 43.97	24.53	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	0.0039 J	<0.019	<0.00019	<0.0097	<0.00019	<0.0097

SEE LAST PAGE OF TABLE FOR NOTES

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	4-Nitrophenylamine	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]	**0.028** [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-06A	MW6A-ROX-070518	7/5/2018	33.85 - 43.85	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	<0.01	<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	<0.0099	<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	<0.01	<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	<0.0099	<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	<0.01	<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	<0.013	<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	<0.0096 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	<0.01	<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	<0.0093	<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	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6A-ROX-010721	1/7/2021		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	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
	MW6A-ROX-041421	4/14/2021	33.85 - 43.85	26.50	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	<0.0096	<0.019	0.00008 J	<0.0096 UJ	0.000065 J	<0.0096
MW-06B	MW6B-ROX-070518	7/5/2018	64.05 - 69.05	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	<0.011	<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	<0.01	<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	<0.01	<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	<0.01	<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 UJ	<0.01 UJ	<0.00021	<0.00021	<0.01	<0.00021	<0.00021	<0.00021	<0.01	<0.021	<0.01	<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	<0.013	<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	<0.0096	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	<0.0099	<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	<0.0093	<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	<0.00019	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	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW6B-ROX-041421	4/14/2021	64.05 - 69.05	26.59	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	<0.0096	<0.019	<0.00019	<0.0096 UJ	<0.00019	<0.0096
MW-06C	MW6C-ROX-070518	7/5/2018	84.95 - 89.95	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	<0.01	<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	<0.01	<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	<0.0098	<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	<0.0097	<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	<0.01	<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	<0.0099	<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	<0.013	<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	<0.013	<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	<0.0096	<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	<0.01	<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	<0.0094	<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	<0.0095	<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	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	MW6C-ROX-041421	4/14/2021	84.95 - 89.95	26.39	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	<0.0098	<0.02	<0.0002	<0.0098 UJ	0.000039 J	<0.0098
MW-06D	MW6D-ROX-070518	7/5/2018	104.72 - 109.72	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	<0.01	<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	<0.0099	<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	<0.01	<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	<0.0099	<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	<0.01	<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	<0.013	<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	<0.0096	<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	<0.0099	<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	<0.01	<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	<0.0093	<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	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW6D-ROX-010721	1/7/2021		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	<0.0097	<0.019	<0.00019	<0.0097	<0.00019	<0.0097
	MW6D-ROX-041421	4/14/2021	104.72 - 109.72	26.22	NE	<0.0002	0.000074 J	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.0095 H UJ	0.000067 J	<0.0002	<0.0095 H UJ	0.000072 J	<0.0002	<0.0002	<0.0095 H UJ	<0.019 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.019 H UJ	0.000057 J	<0.0095 H UJ	0.000054 J	<0.0095 H UJ

SEE LAST PAGE OF TABLE FOR NOTES

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	4-Nitrophenylamine	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]	**0.028** [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-07	MW7-ROX-071018	7/10/2018	42.92 - 52.92	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	<0.011	<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	<0.0098	<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	<0.0098	<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	<0.0095	<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	<0.0095	<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	<0.0095	<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	<0.0096	<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	<0.0096	<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	<0.0096	<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	<0.0096	<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	<0.0096	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	<0.0096	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	<0.0099	<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	<0.0099	<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	<0.0095	<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	<0.0094	<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	<0.0096	<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	<0.0094 UJ	<0.00019	<0.00019	<0.00019	0.0018 J	0.0025	0.0021 J	0.0024 J	<0.0094	<0.0094	<0.019	<0.00019	0.073	<0.00019	<0.0094 UJ
	MW7-ROX-011821	1/18/2021		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	<0.0095	<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	<0.0093	<0.019	<0.00075	0.07	<0.00075	<0.0093
	MW7-ROX-041921	4/19/2021	42.92 - 52.92	37.81	NE	<0.00021	<0.00021	<0.01	0.0013 J	<0.01	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	<0.00021	0.0016	0.0024	<0.01	0.002 J	<0.01	<0.01	<0.021	<0.00021	0.11 J	<0.00021	<0.01
	MW7-ROX-041921-DUP	4/19/2021		37.81	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01 UJ	<0.01	<0.01	<0.01	<0.00021	<0.00021	<0.01	<0.00021	0.0016	0.0023	<0.01 UJ	0.0009 J J	<0.01	<0.01	<0.021 UJ	<0.00021	0.019 J	<0.00021	<0.01
MW-08	MW8-ROX-071018	7/10/2018	33.60 - 43.60	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	<0.011	<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	<0.0098	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	<0.0098	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	<0.0095	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	<0.0095	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	<0.0095	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	<0.01	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	<0.0095 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	<0.0096	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	<0.0098	<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	<0.0096	<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	<0.0093	<0.019	<0.00019	0.26	<0.00019	<0.0093 UJ
	MW8-ROX-011821	1/18/2021		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	<0.0094	<0.019	<0.00075	0.12	<0.00075	<0.0094
	MW8-ROX-041921	4/19/2021	33.60 - 43.60	28.71	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	0.0084	0.0027	<0.011	0.00074 J	<0.011	<0.011	<0.021	<0.00021	0.29	<0.00021	<0.011
MW-09	MW9-ROX-070918	7/9/2018	46.04 - 56.04	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	<0.0098	<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	<0.024	<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	<0.01	<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	<0.01	<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	<0.0095	<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	<0.01	<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	<0.01	<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	<0.0096	<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	<0.0096	<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	<0.0095	<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	<0.01	<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	<0.01	<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	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
	MW9-ROX-011221	1/12/2021		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	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW9-ROX-040821	4/8/2021	46.04 - 56.04	39.23	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
MW-10	MW10-ROX-070918	7/9/2018	44.43 - 54.43	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	<0.0098	<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	<0.024	<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	<0.0095	<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	<0.0095	<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	0.000048 J H J	0.000021 J H J	0.000032 J H J	<0.01 H UJ	<0.02 H UJ	<0.01 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	<0.0095	<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	<0.0097	<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	<0.0099	<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	<0.01	<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	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW10-ROX-011221	1/12/2021		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	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW10-ROX-040821	4/8/2021	44.43 - 54.43	38.97	NE	<0.00019	<0.00019	<0.0095	<0.0095	<0.0095	<0.0095	<0.0095 UJ	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095

SEE LAST PAGE OF TABLE FOR NOTES

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	4-Nitrophenylamine	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]	0.028 [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-11	MW11-ROX-070918	7/9/2018	41.66 - 51.66	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	<0.011	<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	<0.0098	<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	<0.0095	<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	<0.0094	<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	<0.01	<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	<0.0096	<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	<0.0098	<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	<0.0099 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	<0.01	<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	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094
	MW11-ROX-011321	1/13/2021		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	<0.01	<0.02	<0.0002	<0.01	<0.0002 U	<0.01 U
	MW11-ROX-041221	4/12/2021	41.66 - 51.66	36.96	NE	<0.00019 UJ	<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 UJ	<0.019 UJ	<0.0096	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
MW-12	MW12-ROX-070618	7/6/2018	41.92 - 51.92	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	<0.011	<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	<0.024	<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	<0.01	<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	<0.0095	<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	<0.01	<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	<0.0096	<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	<0.0096	<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	<0.0097	<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	<0.0094	<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	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095 UJ
	MW12-ROX-010721	1/7/2021		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	<0.011	<0.021	<0.00021	<0.011	<0.00021	<0.011
	MW12-ROX-041221	4/12/2021	41.92 - 51.92	37.37	NE	<0.00019 H UJ	<0.00019 H UJ	<0.0096	<0.0096	<0.0096	<0.0096 UJ	<0.0096	<0.0096 UJ	<0.00019 H UJ	<0.00019 H UJ	<0.0096	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.0095 H UJ	<0.019 H UJ	<0.0096 UJ	<0.0096	<0.019	<0.00019 H UJ	<0.0096	<0.00019 H UJ	<0.0096
MW-13	MW13-ROX-070918	7/9/2018	24.80 - 34.80	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	<0.0098	<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	<0.0097	<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	<0.0096	<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	<0.0098	<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	<0.0095	<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	<0.0095	<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	<0.0095	<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	<0.0096	<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	<0.01	<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	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096 UJ
	MW13-ROX-010821	1/8/2021		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	<0.0096	0.014 J	<0.00019	<0.0096	<0.00019	<0.0096
	MW13-ROX-041221	4/12/2021	24.80 - 34.80	24.52	NE	<0.00019 UJ	<0.00019	<0.0096	0.00056 J	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	0.00012 J	<0.0096 H UJ	<0.019 H UJ	<0.0096	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
MW-14	MW14-ROX-071118	7/11/2018	33.42 - 43.42	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	<0.0096	<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	<0.0098	<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	<0.01	<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	<0.0099	<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	<0.01	<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	<0.0096	<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	<0.0097	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	<0.0098	<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	<0.011	<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	<0.0096	<0.019	<0.00019	<0.0096 UJ	<0.00019	<0.0096 UJ
	MW14-ROX-011121	1/11/2021		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	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW14-ROX-040921	4/9/2021	33.42 - 43.42	28.57	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	<0.011	<0.021	<0.00021	<0.011	<0.00021	<0.011
MW-16	MW16-ROX-070618	7/6/2018	37.50 - 47.50	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	<0.011	<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	<0.0098	<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	<0.0095	<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	<0.0097	<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	<0.0096	<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	<0.0097	<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	<0.0096	<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	<0.0099	<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	<0.0095	<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	<0.0093	<0.019	<0.00019	<0.0093	<0.00019	<0.0093 UJ
	MW16-ROX-011321	1/13/2021		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	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01 U
	MW16-ROX-040821	4/8/2021	37.50 - 47.50	38.35	NE	<0.00019	<0.00019	<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	<0.00019	<0.0095 H UJ	<0.00019	<0.00019	<0.00019	<0.0095 H UJ	<0.019 H UJ	<0.0095 H UJ	<0.0095 H UJ	<0.019 H UJ	<0.00019	<0.0095 H UJ	<0.00019	<0.0095 H UJ

SEE LAST PAGE OF TABLE FOR NOTES

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	4-Nitrophenylamine	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]	**0.028** [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-22	MW22-ROX-071018	7/10/2018	38.43 - 48.43	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	<0.011	<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	<0.053 UJ	<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	<0.01	<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	<0.0099	<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	<0.0095	<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	<0.0095	<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	<0.0096	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	<0.0098	<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	<0.0097	<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	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095 UJ
	MW22-ROX-011321	1/13/2021		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	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099 U
	MW22-ROX-041521	4/15/2021	38.43 - 48.43	37.03	NE	<0.00019 H UJ	<0.00019 H UJ	<0.0096 H UJ	0.00061 J H J	0.011 H J	<0.0096 H UJ	<0.0096 H UJ	<0.0096 H UJ	<0.00019 H UJ	<0.00019 H UJ	0.0016 J H J	<0.00019 H UJ	0.0043 H J	0.0046 H J	<0.0096 H UJ	<0.019 H UJ	<0.0096 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
MW-23	MW23-ROX-070918	7/9/2018	29.02 - 39.02	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	<0.011	<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	<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	<0.01	<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	<0.0095	<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	<0.01	<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	<0.0095	<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	<0.0096	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	<0.0099	<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	<0.0096	<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	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW23-ROX-010721	1/7/2021		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	<0.01	<0.02	<0.0002	<0.01	<0.0002	<0.01
	MW23-ROX-040921	4/9/2021	29.02 - 39.02	26.01	NE	<0.00019 UJ	<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 H UJ	<0.019 H UJ	<0.0094	<0.0094	<0.019	0.000041 J	<0.0094	0.000055 J	<0.0094
MW-24	MW24-ROX-070618	7/6/2018	39.61 - 49.61	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	<0.011	<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	<0.0097	<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	<0.0095	<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	<0.0098	<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	<0.01	<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	<0.0095	<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	<0.0096	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	<0.01	<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	<0.0095	<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	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094
	MW24-ROX-011121	1/11/2021		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	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
	MW24-ROX-041321	4/13/2021	39.61 - 49.61	38.31	NE	<0.00019 H UJ	<0.00019 H UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.0095 UJ	<0.00019 H UJ	<0.00019 H UJ	<0.0095 UJ	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.0096 H UJ	<0.019 H UJ	<0.0095 UJ	<0.0095 UJ	<0.019 UJ	<0.00019 H UJ	<0.0095 UJ	<0.00019 H UJ	<0.0095 UJ
MW-25	MW25-ROX-071018	7/10/2018	35.59 - 45.59	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	<0.01	<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	<0.0097	<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	<0.0095	<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	<0.0096	<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	<0.011	<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	<0.0096	<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	<0.0096	<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	<0.0099	<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	<0.0093	<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	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094 UJ
	MW25-ROX-011821	1/18/2021		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	<0.0097	<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	<0.0096	<0.019	<0.00077	<0.0096	<0.00077	<0.0096
	MW25-ROX-041921	4/19/2021	35.59 - 45.59	32.97	NE	<0.00021	<0.00021	<0.01	0.00054 J	<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	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
MW-26	MW26-ROX-070618	7/6/2018	38.15 - 48.15	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	<0.011	<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	<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	<0.0099	<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	<0.0099	<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	<0.0099	<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	<0.0096	<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	<0.0096	<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	<0.01	<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	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<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	<0.00019	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095 UJ
	MW26-ROX-010821	1/8/2021		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	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
	MW26-ROX-040921	4/9/2021	38.15 - 48.15	35.96	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096 UJ	<0.0096	<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	<0.0096	<0.019 UJ	<0.00019	<0.0096 UJ	<0.00019	<0.0096

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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	4-Nitrophenylamine	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]	**0.028** [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-070918	7/9/2018	39.79 - 49.79	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	<0.011	<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	<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	<0.0095	<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	<0.0099	<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	<0.01	<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	<0.0096	<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	<0.0097	<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	<0.0099	<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	<0.0093 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	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW27-ROX-010821	1/8/2021		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	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	MW27-ROX-040821	4/8/2021	39.79 - 49.79	37.60	NE	<0.00019	<0.00019	<0.0095	0.00023 J	<0.0095	<0.0095	<0.0095 UJ	<0.0095	<0.00019	<0.00019	<0.0095	<0.00019	<0.00019	<0.00019	<0.0095	<0.019	<0.0095	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
MW-28	MW28-ROX-070918	7/9/2018	33.61 - 43.61	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	<0.011	<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	<0.0098	<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	<0.0099	<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	<0.0095	<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	<0.01	<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	<0.0096	<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	<0.0096	<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	<0.01	<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	<0.0092	<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	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094 UJ
	MW28-ROX-011421	1/14/2021		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	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01
	MW28-ROX-041621	4/16/2021	33.61 - 43.61	36.69	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	<0.0097	<0.019	<0.00019	<0.0097	0.000054 J	<0.0097
	MW28-ROX-041621-DUP	4/16/2021		36.69	NE	<0.00019	<0.00019	<0.0096	0.00066 J	<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	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
P-54	P54-ROX-070618	7/6/2018	38.00 - 63.00	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	<0.011	<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	<0.0098	<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	<0.0095	<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	<0.0095	<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	<0.01	<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	<0.0096	<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	<0.0096	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	<0.0099 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	<0.0094	<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	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	P54-ROX-011121	1/11/2021		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	<0.011	<0.021	<0.00021	<0.011	<0.00021	<0.011
	P54-ROX-041321	4/13/2021	38.00 - 63.00	37.07	NE	<0.00019 H UJ	<0.00019 H UJ	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.0094	<0.00019 H UJ	<0.00019 H UJ	<0.0094	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.0095 H UJ	<0.019 H UJ	<0.0094	<0.0094	<0.019	<0.00019 H UJ	<0.0094	<0.00019 H UJ	<0.0094
P-56	P56-ROX-071118	7/11/2018	40.82 - 65.82	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	<0.011	<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	<0.0098	<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	<0.0095	<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	<0.0098	<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	<0.0099 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	<0.0095	<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	<0.0096	<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	<0.0099	<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	<0.0097	<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	<0.01	<0.02	0.00035	<0.01	<0.0002	<0.01
	P56-ROX-011221	1/12/2021		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	<0.0094	<0.019	0.00055	<0.0094	<0.00019	<0.0094
	P56-ROX-040921	4/9/2021	40.82 - 65.82	41.31	NE	<0.00021	<0.00021	<0.01	0.00051 J	<0.01	<0.01	<0.01 UJ	<0.01	<0.00021	0.00042	<0.01	<0.00021	0.014	0.013	<0.01	<0.021	<0.01	<0.01	<0.021	0.00086	<0.01	<0.00021	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

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	4-Nitrophenylamine	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]	0.028 [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-071118	7/11/2018	44.19 - 54.19	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	<0.011	<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	<0.011	<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	<0.0097 UJ	<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	<0.0097 UJ	<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	<0.0099	<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	<0.0099	<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	<0.0098	<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	<0.0099	<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	<0.0097	<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	<0.01	<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	<0.0095	<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	<0.0096	<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	<0.0096	<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	<0.01	<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	<0.01	<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	<0.0097	<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	<0.0099	<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	<0.0096	<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	<0.0096	<0.019	0.00016 J	0.017	<0.00019	<0.0096
	P57-ROX-011321	1/13/2021		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	<0.0096	<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	<0.0095	<0.019	0.00021	0.047 J	<0.00019	<0.0095 U
	P57-ROX-041221	4/12/2021	44.19 - 54.19	42.18	NE	<0.00021 UJ	<0.00021	0.00019 J	<0.011	<0.011	<0.011	<0.011	<0.011	<0.00021	0.00054	<0.011	<0.00021	0.015	0.017	<0.011 H UJ	<0.021 H UJ	<0.011	<0.011	<0.021	0.00029	0.038 J	0.000045 J	<0.011
	P57-ROX-041221-DUP	4/12/2021		42.18	NE	<0.0002 UJ	<0.0002	0.00017 J	<0.01	<0.01 UJ	<0.01	<0.01	<0.01	<0.0002	0.00038	<0.01	<0.0002	0.014	0.016	<0.01 H UJ	<0.02 H UJ	<0.01	<0.01	<0.02 UJ	0.00023	<0.01 UJ	0.000042 J	<0.01
P-58	P58-ROX-101618	10/16/2018	40.21 - 65.21	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	<0.0097 UJ	<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	<0.0099	<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	<0.01	<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	<0.0097	<0.019	0.0041 J	0.15	0.004 J	<0.0097
	P58-ROX-041421	4/14/2021	40.21 - 65.21	39.95	NE	0.00054	0.000089 J	0.0024 J	<0.01	<0.01	<0.01	<0.01	<0.01 UJ	0.0003	0.0022	<0.01	0.000065 J	0.049	0.015	<0.01	<0.021	<0.01	<0.01	<0.021	0.0017	0.7	0.0012	<0.01
P-59	P59-ROX-071118	7/11/2018	47.91 - 72.91	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	<0.011	<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	<0.0097 UJ	<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	<0.01	<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	<0.0095	<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	<0.0096	<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	<0.0098	<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	<0.0096	<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	<0.0095	<0.019	0.00075	0.037	0.00024	<0.0095
	P59-ROX-011321	1/13/2021		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	<0.0094	<0.019	0.00056	0.034	0.00037 B	<0.0094 U
	P59-ROX-041321	4/13/2021	47.91 - 72.91	42.27	NE	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.00017 J	0.00071	<0.011	<0.00021	0.01	0.015	<0.011	<0.021	<0.011	<0.011	<0.021	0.00085	0.03	0.00027	<0.011
P-66	P66-ROX-071118	7/11/2018	34.72 - 59.72	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	<0.0097	<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	<0.0099	<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	<0.049	<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	<0.049	<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	<0.05 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	<0.0099	<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	<0.01	<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	<0.0096	<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	<0.049 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	<0.0098	<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	<0.0097 UJ	<0.00019	0.00072	<0.0097	<0.00019	0.034	0.02	<0.0097	<0.019	<0.0097	<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	<0.0095	<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	<0.0094	<0.019	<0.00019	<0.0094 UJ	<0.00019	<0.0094 UJ
	P66-ROX-011121	1/11/2021		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	<0.0095	<0.019	0.0004	<0.0095	0.00019	<0.0095
	P66-ROX-040921	4/9/2021	34.72 - 59.72	31.44	NE	<0.0002	<0.0002	0.0015 J	<0.01	<0.01	<0.01	<0.01 UJ	<0.01	<0.0002	0.0013	<0.01	<0.0002	0.074	0.031	<0.01	0.0072 J	<0.01	<0.01	<0.02	0.00036	0.0028 J	0.00016 J	<0.01
P-74	P74-ROX-071118	7/11/2018	43.83 - 68.83	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	<0.0097	<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	<0.0097 UJ	<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	<0.0095	<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	<0.0098	<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	<0.0099 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	<0.0095	<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	<0.0096	<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	<0.0097	<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	<0.0096	<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	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094
	P74-ROX-011221	1/12/2021		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	<0.0095	<0.019	<0.00019	0.0035 J J	<0.00019	<0.0095
	P74-ROX-041221	4/12/2021	43.83 - 68.83	37.84	NE	<0.0002 UJ	<0.0002	<0.01	0.00052 J	<0.01	<0.01	<0.01	<0.01	<0.0002	<0.0002	<0.01	<0.0002	<0.0002	<0.0002	<0.01 H UJ	<0.02 H UJ	<0.01	<0.01	<0.02	0.00004 J	<0.01	0.000049 J	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

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	4-Nitrophenylamine	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]	0.028 [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-93A	P93A-ROX-071218	7/12/2018	43.07 - 53.07	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	<0.0098	<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	<0.0097 UJ	<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	<0.0099	<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	<0.0099	<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	<0.0096	<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	<0.0095	<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	<0.0096	<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	<0.0096	<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	<0.0099	<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	<0.01	<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	<0.0095	<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	<0.0095	<0.019	<0.00019	0.0083 J *1	<0.00019	<0.0095
	P93A-ROX-011421	1/14/2021		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	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094
	P93A-ROX-041221	4/12/2021	43.07 - 53.07	40.34	NE	<0.00021	<0.00021	<0.01	<0.01	<0.01	<0.01	<0.01 UJ	<0.01	<0.00021	<0.00021	<0.01	<0.00021	0.00019 J	0.00013 J	<0.01	<0.021	<0.01	<0.01	<0.021	<0.00021	0.0029 J	<0.00021	<0.01
P-93B	P93B-ROX-071218	7/12/2018	74.88 - 76.88	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	<0.0097	<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	<0.0097	<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	<0.0097	<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	<0.0096	<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	<0.0096	<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	<0.0095	<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	<0.01	<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	<0.0099	<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	<0.0098 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	<0.0099 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	<0.0095	<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	<0.0095	<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	<0.0095	<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	<0.0096 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	<0.0099	<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	<0.05	<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	<0.0096	<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	<0.0099	<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	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	P93B-ROX-011421	1/14/2021		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	<0.0095	<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	<0.0097	<0.019	<0.00019	0.16 J	<0.00019	<0.0097
	P93B-ROX-041421	4/14/2021	74.78 - 76.78	41.66	NE	<0.00021	<0.00021	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011 UJ	0.00011 J	<0.00021	<0.011	<0.00021	0.00028	0.0002 J	<0.011	0.002 J	<0.011	<0.011	<0.021	<0.00021	0.39	0.000086 J	<0.011
P-93C	P93C-ROX-071218	7/12/2018	92.88 - 97.88	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	<0.01	<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	<0.0098	<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	<0.0096	<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	<0.0098	<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	<0.01 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	<0.0096	<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	<0.0096	<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	<0.0098	<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	<0.0095	<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	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	P93C-ROX-011121	1/11/2021		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	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	P93C-ROX-040921	4/9/2021	92.88 - 97.88	41.37	NE	<0.00019	<0.00019	<0.0096	<0.0096 U	<0.0096	<0.0096	<0.0096 UJ	<0.0096	<0.00019	<0.00019	<0.0096	<0.00019	<0.00019	<0.00019	<0.0096	<0.019	<0.0096	<0.0096	<0.019	<0.00019	<0.0096	<0.00019	<0.0096
P-93D	P93D-ROX-071218	7/12/2018	125.75 - 127.75	45.57	NE	<0.0011	<0.0011	<0.0011	<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	<0.011	<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	<0.0097	<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	<0.0097	<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	<0.0098	<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	<0.0098	<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	<0.0096	<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	<0.0096	<0.019 UJ	<0.00019	<0.0096 UJ	<0.00019	<0.0096
	P93D-ROX-042020	4/20/2020		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	<0.0099	<0.02	<0.0002	<0.0099	<0.0002	<0.0099
	P93D-ROX-071320	7/13/2020	125.66 - 127.66	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	<0.0097 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	<0.0094	<0.019	<0.00019	0.73	<0.00019	<0.0094
	P93D-ROX-011321	1/13/2021		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	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
	P93D-ROX-041421	4/14/2021	125.66 - 127.66	41.81	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	<0.01	<0.02	<0.0002	<0.01 UJ	<0.0002	<0.01

SEE LAST PAGE OF TABLE FOR NOTES

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	4-Nitrophenylamine	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]	**0.028** [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-114R	P114R-ROX-070918	7/9/2018	23.01 - 33.01	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	<0.0097	<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	<0.0098	<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	<0.0098	<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	<0.0095	<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	<0.01	<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	<0.0099	<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	<0.048	<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	<0.0097	<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	<0.0095	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	<0.046	<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	<0.024	<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	<0.0098	<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	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.0095 H UJ
	P114R-ROX-010821	1/8/2021		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	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094
	P114R-ROX-041221	4/12/2021	23.01 - 33.01	23.54	NE	<0.00019 H UJ	<0.00019 H UJ	<0.0096	0.0003 J	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019 H UJ	<0.00019 H UJ	<0.0096	<0.00019 H UJ	<0.00019 H UJ	<0.00019 H UJ	<0.0094 H UJ	<0.019 H UJ	<0.0096	<0.0096	<0.019	<0.00019 H UJ	<0.0096	<0.00019 H UJ	<0.0096
ROST-3-MW	ROST3MW-ROX-070518	7/5/2018	37.81 - 47.81	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	<0.01	<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	<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	<0.0095	<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	<0.0098	<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	<0.0096	<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	<0.0095	<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	<0.0096	<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	<0.0099	<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	<0.0094	<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	<0.0094	<0.019	<0.00019	<0.0094	<0.00019	<0.0094 UJ
	ROST3MW-ROX-010821	1/8/2021		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	<0.011	<0.021	<0.00021	<0.011	0.000046 J	<0.011
	ROST3MW-ROX-041321	4/13/2021	37.81 - 47.81	37.08	NE	<0.00019 UJ	<0.00019	<0.0096 H UJ	<0.0096 H UJ	<0.0096 H UJ	<0.0096 H UJ	<0.0096 H UJ	<0.0096 H UJ	<0.00019	<0.00019	<0.0096 H UJ	<0.00019	0.000093 J	<0.00019	<0.0096 H UJ	<0.019 H UJ	<0.0096 H UJ	<0.0096 H UJ	<0.019 H UJ	<0.00019	<0.0096 H UJ	<0.00019	<0.0096 H UJ
ROST-4-PZ(C)	ROST4PZC-ROX-070918	7/9/2018	34.95 - 44.95	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	<0.011	<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	<0.0098	<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	<0.01	<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	<0.01	<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	<0.0097 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	<0.0095	<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	<0.0098	<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	<0.0098	<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	<0.0097	<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	<0.0096	<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	<0.0094	<0.019	0.0072	<0.0094	0.0005	<0.0094 UJ
	ROST4PZC-ROX-011421	1/14/2021		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	<0.011	<0.021	0.0031	<0.011	<0.00021 U	<0.011
	ROST4PZC-ROX-041521	4/15/2021	34.95 - 44.95	37.32	NE	<0.00019	<0.00019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.00019	0.0011	<0.0096	<0.00019	0.022	0.013	<0.0096	<0.019	<0.0096	<0.0096	<0.019	0.0027	<0.0096	<0.00019 U	<0.0096
ROST-4-PZ(E)	ROST4PZE-ROX-071018	7/10/2018	34.75 - 44.75	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	<0.011	<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	<0.049	<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	<0.0095	<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	<0.0098	<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	<0.0097	<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	<0.0098 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	<0.0095	<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	<0.0098	<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	<0.0097	<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	<0.0093	<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	<0.0093	<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	<0.0094	<0.019	0.0031	<0.0094	0.000097 J	<0.0094 UJ
	ROST4PZE-ROX-041621	4/16/2021	34.75 - 44.75	36.29	NE	<0.00019	<0.00019	0.0015 J	0.00081 J	0.0087 J	<0.0095	<0.0095	<0.0095	0.00021	0.0026	0.0033 J	<0.00019	0.064	0.07	<0.0095	0.0024 J	<0.0095	<0.0095	<0.019	0.0063	<0.0095	0.00048	<0.0095

SEE LAST PAGE OF TABLE FOR NOTES

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	4-Nitrophenylamine	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]	**0.028** [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(G)	ROST4PZG-ROX-070918	7/9/2018	34.28 - 44.28	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	<0.011	<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	<0.0097	<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	<0.0095	<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	<0.0095	<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	<0.0096	<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	<0.0095	<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	<0.0095	<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	<0.0096	<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	<0.0095 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	<0.0094	<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	<0.0095	<0.019	<0.00019	<0.0095 UJ	<0.00019	<0.0095 UJ
	ROST4PZG-ROX-011321	1/13/2021		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	<0.01	<0.021	<0.00021	<0.01	<0.00021	<0.01 U
	ROST4PZG-ROX-041521	4/15/2021	34.28 - 44.28	36.88	NE	<0.00019	<0.00019	<0.0097	0.00028 J	<0.0097	<0.0097	<0.0097	<0.0097	<0.00019 U	<0.00019	<0.0097	<0.00019	<0.00019	<0.00019	<0.0097	<0.019	<0.0097	<0.0097	<0.019	0.00007 J	<0.0097	<0.00019 U	<0.0097
	ROST4PZG-ROX-041521-DUP	4/15/2021		36.88	NE	<0.00019	<0.00019	<0.0095	0.00058 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	<0.0095	<0.019	<0.00019	<0.0095	<0.00019	<0.0095
T-12	T12-ROX-071118	7/11/2018	46.83 - 72.83	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	<0.011	<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	<0.0097 UJ	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	<0.0095	<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	<0.0099	<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	<0.0097	<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	<0.0095	<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	<0.0096	<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	<0.0096	<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	<0.0098	<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	<0.0096	<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	<0.0099	<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	<0.01	<0.02	0.00059	0.13	<0.0002	<0.01
	T12-ROX-011221	1/12/2021		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	<0.0094	<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	<0.0095	<0.019	0.00057	0.11	0.00012 J	<0.0095
	T12-ROX-041321	4/13/2021	46.83 - 72.83	40.08	NE	<0.00022	<0.00022	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011	0.000076 J	<0.00022	<0.011	<0.00022	<0.00022	<0.00022	<0.011	<0.022	<0.011	<0.011	<0.022	<0.00022	0.09	0.000094 J	<0.011

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 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.

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 imit.

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.

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.

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:

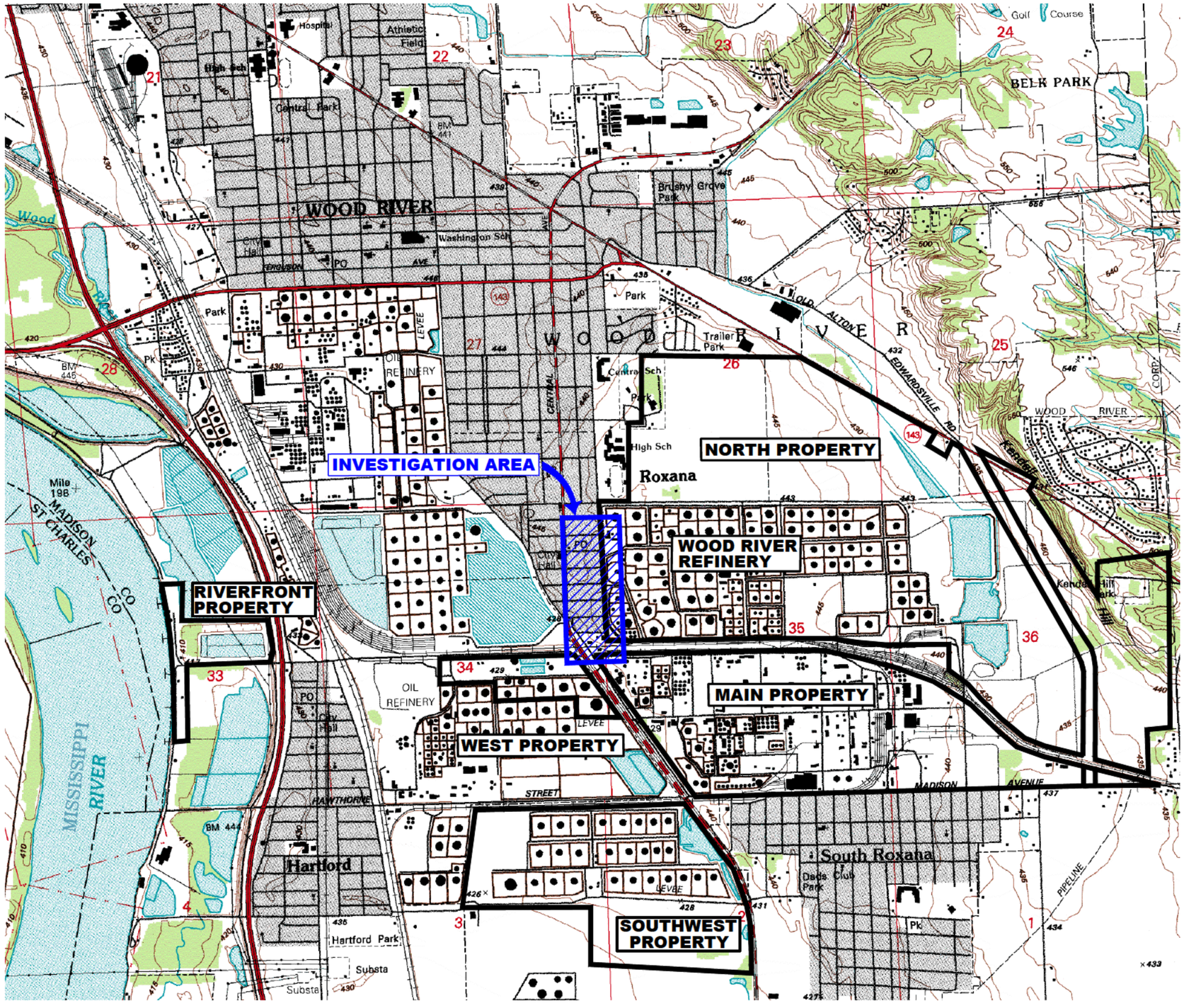
Plan View Model Output – The data input for the plan view model was not limited by depth and was modeled in two dimensions (2D). Regardless of sample depth, benzene concentrations were modeled on a flat horizontal plane.

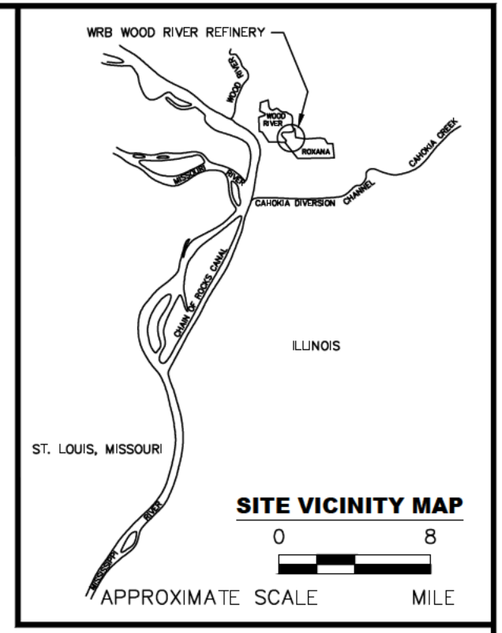
Inward Kriging / Boundary Cut-off – This method of Kriging limits the horizontal extent of data modeling to the extent of the data on the x/y plane in a convex hull.

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 July 2021 DSGN. BY: mar CHKD. BY: wmp	Investigation Area Location Map
	FIG. NO. 1

File: C:\USERS\POPMAN\AECOM DIRECTORY\GIS GIS SERVICES - GIS CAD PROJECTS\GIS AMERICAS\SHELL\ILLINOIS\VISF00686-ROG_S_CENTRAL_AVE-ROXANA-IL\ROXANA 2021 GW RPT\WORKSPACES\JUNE 14, 2021\FIGURE 1 INVESTIGATION AREA LOCATION MAP.DWG Last edited: 03/17/21 @ 9:05 AM @ WGS-ST LOUIS

File: C:\USERS\POPAA\AECOM DIRECTORY\GDS GIS SERVICES - GIS CAD PROJECTS\DCS AMERICAS\SHELL\ILLINOIS\USF00666-900_S_CENTRAL_AVE-ROXANA-IL\ROXANA 2021 GW RPT\WORKSPACE\JUNE 14, 2021\FIGURE 2 GROUNDWATER MONITORING WELL SAMPLING LOCATIONS.DWG Last edited: Mar. 17, 21 @ 9:05 AM 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
2ND STREET
VILLAGE OF ROXANA
NORTH PROPERTY
WEST PROPERTY
MAIN PROPERTY
BP
1986 APPROXIMATE BENZENE RELEASE SITE

PZ-1(101)
PZ-1(85)
MW-9 *
MW-10 *
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)
ROST-4-PZ(E) *
P-60-S
P-60-12
ROST-4-PZ(F)
P-60
ROST-4-PZ(G) *
P-68 *
P-60-13
P-54 *
MW-11 *
MW-17
T-12 *
MW-24 *
MW-22 *
P-69
MW-18
P-74 *
MW-19
P-59 *
P-61
MW-16 *
GP-9-PZ
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 *
MW-3 *
P-93A *
P-93B *
P-93C *
P-93D *
P-73
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
A-28
T-24
A-27
P-70

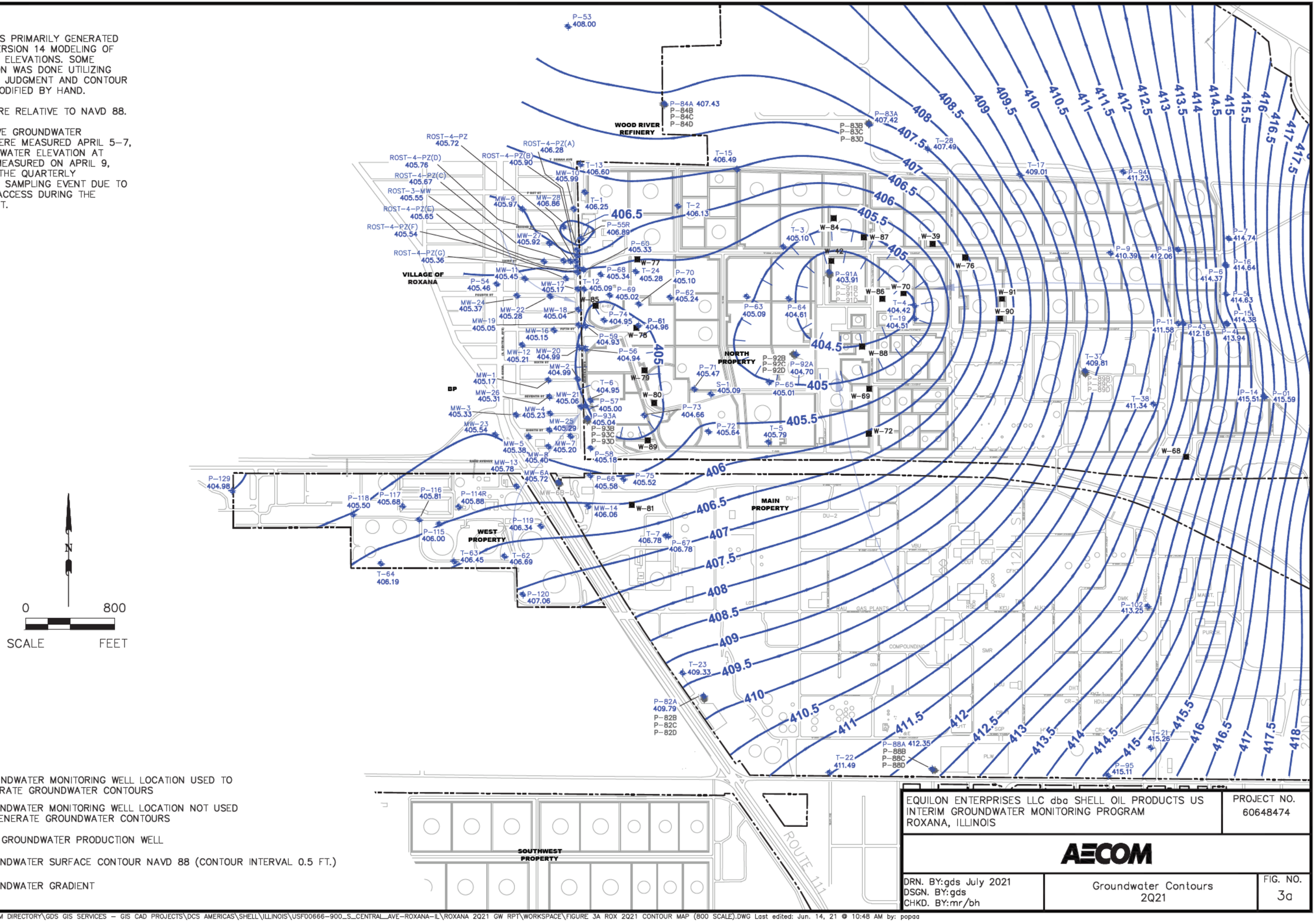
0 200
SCALE FEET
N

EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60648474
AECOM		
DRN. BY:gds July 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 APRIL 5–7, 2021. GROUNDWATER ELEVATION AT MW–26 WAS MEASURED ON APRIL 9, 2021 DURING THE QUARTERLY GROUNDWATER SAMPLING EVENT DUE TO INABILITY TO ACCESS DURING THE GAUGING EVENT.



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

PROJECT NO. 60648474

AECOM

DRN. BY:gds July 2021
DSGN. BY:gds
CHKD. BY:mr/bh

Groundwater Contours 2Q21

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 2Q21 GW RPT\WORKSPACE\FIGURE 3A ROX 2Q21 CONTOUR MAP (800 SCALE).DWG Last edited: Jun. 14, 21 @ 10:48 AM by: popaa

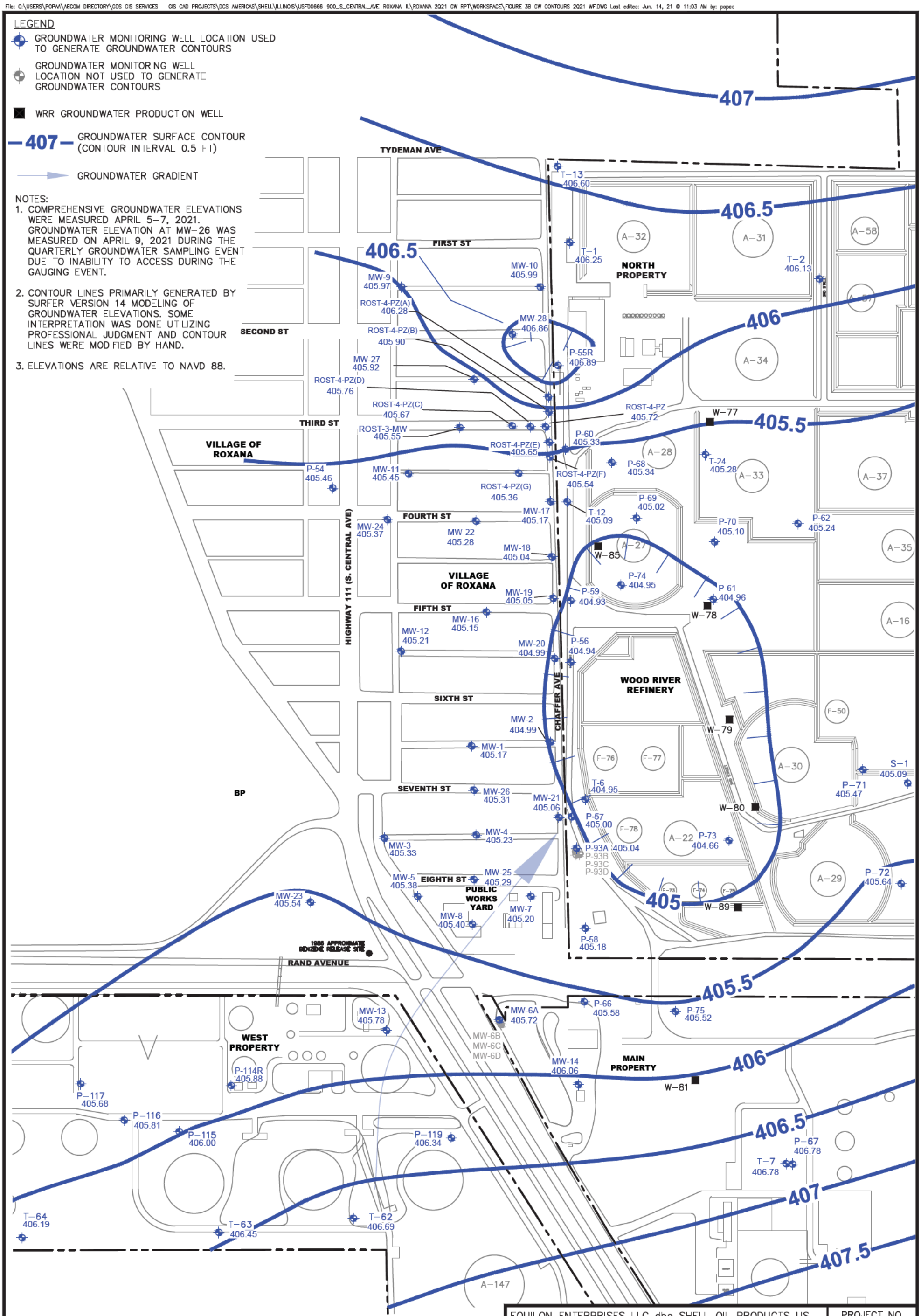
File: C:\USERS\POPAA\AECOM DIRECTORY\GDS GIS SERVICES – GIS CAD PROJECTS\DCS AMERICAS\SHELL\ILLINOIS\USF00666–900_S_CENTRAL_AVE–ROXANA–IL\ROXANA 2Q21 GW RPT\WORKSPACE\FIGURE 3B GW CONTOURS 2Q21 WF.DWG Last edited: Jun. 14, 21 @ 11:03 AM by: popaa

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 APRIL 5–7, 2021. GROUNDWATER ELEVATION AT MW–26 WAS MEASURED ON APRIL 9, 2021 DURING THE QUARTERLY GROUNDWATER SAMPLING EVENT DUE TO INABILITY TO ACCESS DURING THE GAUGING 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.



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

PROJECT NO. 60648474

AECOM

DRN. BY: gds July 2021
DSGN. BY: gds
CHKD. BY: mr/bh

Groundwater Contours 2Q21– West Fenceline

FIG. NO. 3b

File: C:\USERS\POPAA\AECOM DIRECTORY\GDS GIS SERVICES – GIS CAD PROJECTS\DCS AMERICAS\SHELL\ILLINOIS\USF00666-900_5_CENTRAL_AVE-ROXANA-IL\ROXANA 2021 GW RPT\WORKSPACE\JUNE 14, 2021\FIGURE 4A THICKNESS OF LNAPL (WEST FENCLINE).DWG Last edited: Mar. 25, 21 @ 11:19 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 APRIL 5–7, 2021.

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)
CHAFFER AVE
RAND AVENUE
1986 APPROXIMATE BENZENE RELEASE SITE
PUBLIC WORKS YARD
BP
NORTH PROPERTY
MAIN PROPERTY
WEST PROPERTY
WOOD RIVER REFINERY

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

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 July 2021
DSGN. BY:mr
CHKD. BY:bh

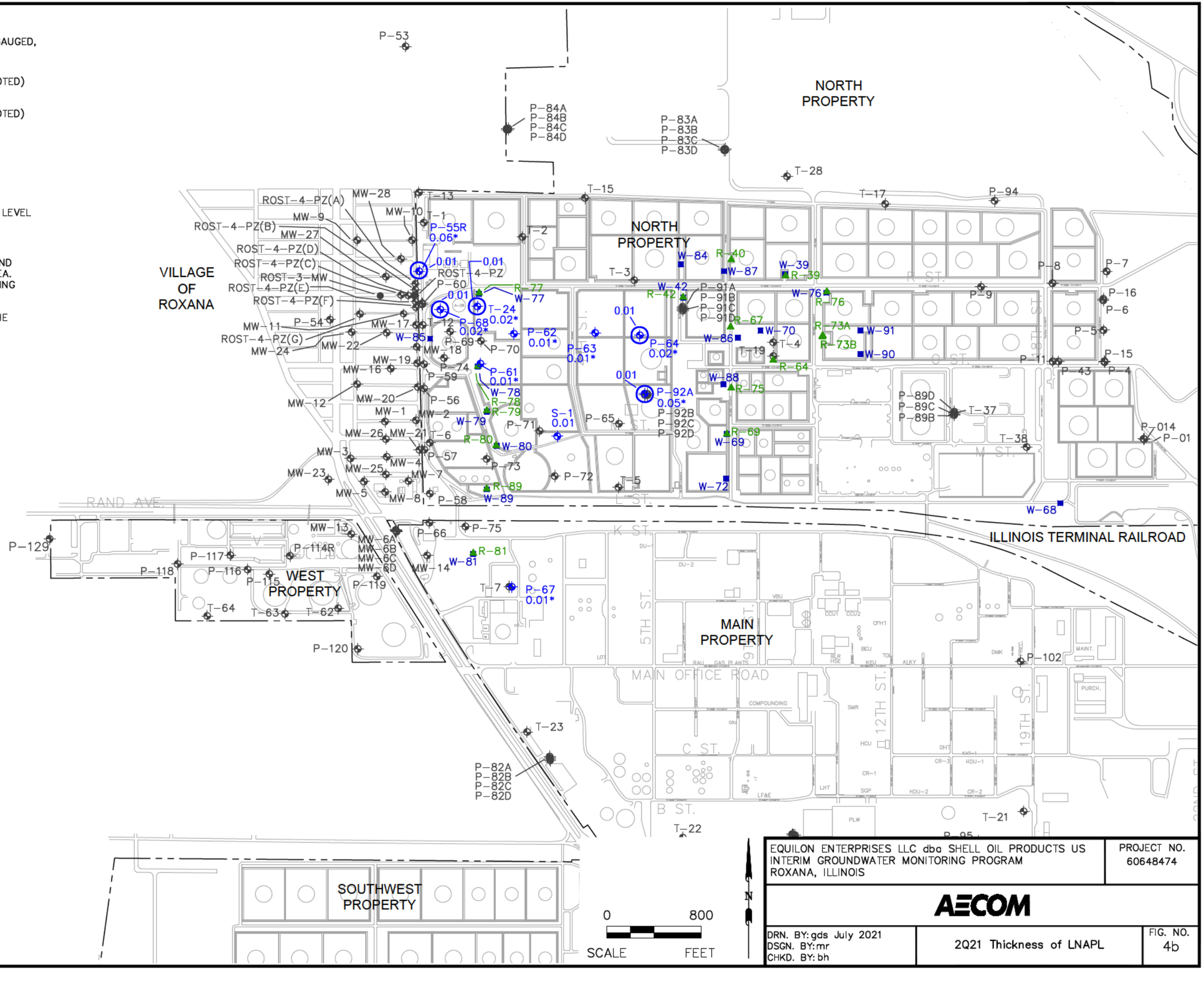
2Q21 Thickness of LNAPL – West Fenceline

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 APRIL 5-7, 2021.



EQUILON ENTERPRISES LLC dba SHELL OIL PRODUCTS US INTERIM GROUNDWATER MONITORING PROGRAM ROXANA, ILLINOIS		PROJECT NO. 60648474
AECOM		
DRN. BY: gds July 2021 DSGN. BY: mr CHKD. BY: bh	2Q21 Thickness of LNAPL	FIG. NO. 4b

File: C:\USERS\ROPAX\AECOM DIRECTORY\GDS GIS SERVICES - GIS CAD PROJECTS\DGS AMERICAS\SHELL\ILNOR\USR20668-800-S_CENTRAL_AVE-ROXANA-ILL\ROXANA 2021 GW RPT\WORKSPACE\JUNE 14, 2021\FIGURE 4B THICKNESS OF LNAPL (REFINERY).DWG Last edited Jun. 14, 21 @ 11:42 AM by gdsas

File: C:\USERS\POPAA\AECOM DIRECTORY\GDS GIS SERVICES – GIS CAD PROJECTS\DCS AMERICAS\SHELL\ILLINOIS\USFD0666-900_S_CENTRAL_AVE-ROXANA-IL\ROXANA 2021 GW RPT\WORKSPACE\JUNE 14, 2021\FIGURE 5 1Q21 GROUNDWATER ANALYTICAL RESULTS SUMMARY.DWG Last edited: Jun. 14, 21 @ 1:50 PM 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
Methyl tert-Butyl Ether (MTBE)	0.07
Naphthalene	0.14
1,2,4-Trimethylbenzene	0.07
Benzo(a)anthracene	0.00013
Benzo(a)pyrene	0.0002
bis(2-Ethylhexyl)phthalate	0.006
2-Methylnaphthalene	0.028
Phenol	0.1

J = THE RESULT IS ESTIMATED.

3. MULTIPLE RESULTS (e.g., 640 / 530) 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 AND P-68 WERE NOT SAMPLED DURING 2Q21 DUE TO THE PRESENCE OF LNAPL.
6. DATA FROM THE BIS (2-ETHYLHEXYL) PHTHALATE CONFIRMATION RE-ANALYSIS WAS USED FOR WELLS P-56 AND P-57.

Sample Location	MW-28
Sampled 4/16/2021	Result (mg/L)
Methyl tert-Butyl Ether (MTBE)	0.069 / **0.074**

Sample Location	ROST-4-PZ(E)
Sampled 4/16/2021	Result (mg/L)
Benzene	0.058
1,2,4-Trimethylbenzene	0.2
2-Methylnaphthalene	0.07

Sample Location	T-12
Sampled 4/13/2021	Result (mg/L)
Benzene	1.4

Sample Location	MW-22
Sampled 4/15/2021	Result (mg/L)
Benzene	0.066
1,2,4-Trimethylbenzene	0.33

Sample Location	P-59
Sampled 4/13/2021	Result (mg/L)
Benzene	2.5
Naphthalene	0.17
1,2,4-Trimethylbenzene	0.14

Sample Location	P-57
Sampled 4/12/2021	Result (mg/L)
Benzene	0.79 / 0.81

BP

Sample Location	MW-25
Sampled 4/19/2021	Result (mg/L)
Benzene	0.032

Sample Location	P-58
Sampled 4/14/2021	Result (mg/L)
Benzene	110
Benzo(a)anthracene	0.0033
Benzo(a)pyrene	0.0003
Phenol	0.7

Sample Location	MW-7
Sampled 4/19/2021	Result (mg/L)
Benzene	640 / 530
Phenol	**0.11** J / 0.019 J

Sample Location	MW-8
Sampled 4/19/2021	Result (mg/L)
Benzene	290
Phenol	0.29

Sample Location	P-93A	P-93B	P-93D
Sampled 4/12, 4/14/2021	Result (mg/L)	Result (mg/L)	Result (mg/L)
Benzene	0.84	1300	1300
Phenol		0.39	0.39
bis(2-Ethylhexyl)phthalate			0.0075 J

Sample Location	P-66
Sampled 4/9/2021	Result (mg/L)
Benzene	0.18
2-Methylnaphthalene	0.031

MW-9, MW-10, MW-28, SECOND ST, NORTH PROPERTY, 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, T-24, A-34, A-28, MW-11, ROST-4-PZ(G), P-54, T-12, MW-17, MW-24, FOURTH ST, MW-22, P-69, WOOD RIVER REFINERY, P-70, A-27, MW-18, MW-19, P-59, P-74, P-61, FIFTH ST, MW-16, MW-12, VILLAGE OF ROXANA, MW-20, P-56, HIGHWAY 111 (S. CENTRAL AVE), CHAFFER AVE, SIXTH ST, MW-1, MW-2, 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, RAND AVENUE, P-66, P-75, MW-13, MW-6A, MW-6B, MW-6C, MW-6D, WEST PROPERTY, MAIN 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 July 2021
DSGN. BY:mr
CHKD. BY:bh

2Q21 Groundwater Monitoring Well Analytical Exceedances

FIG. NO. 5

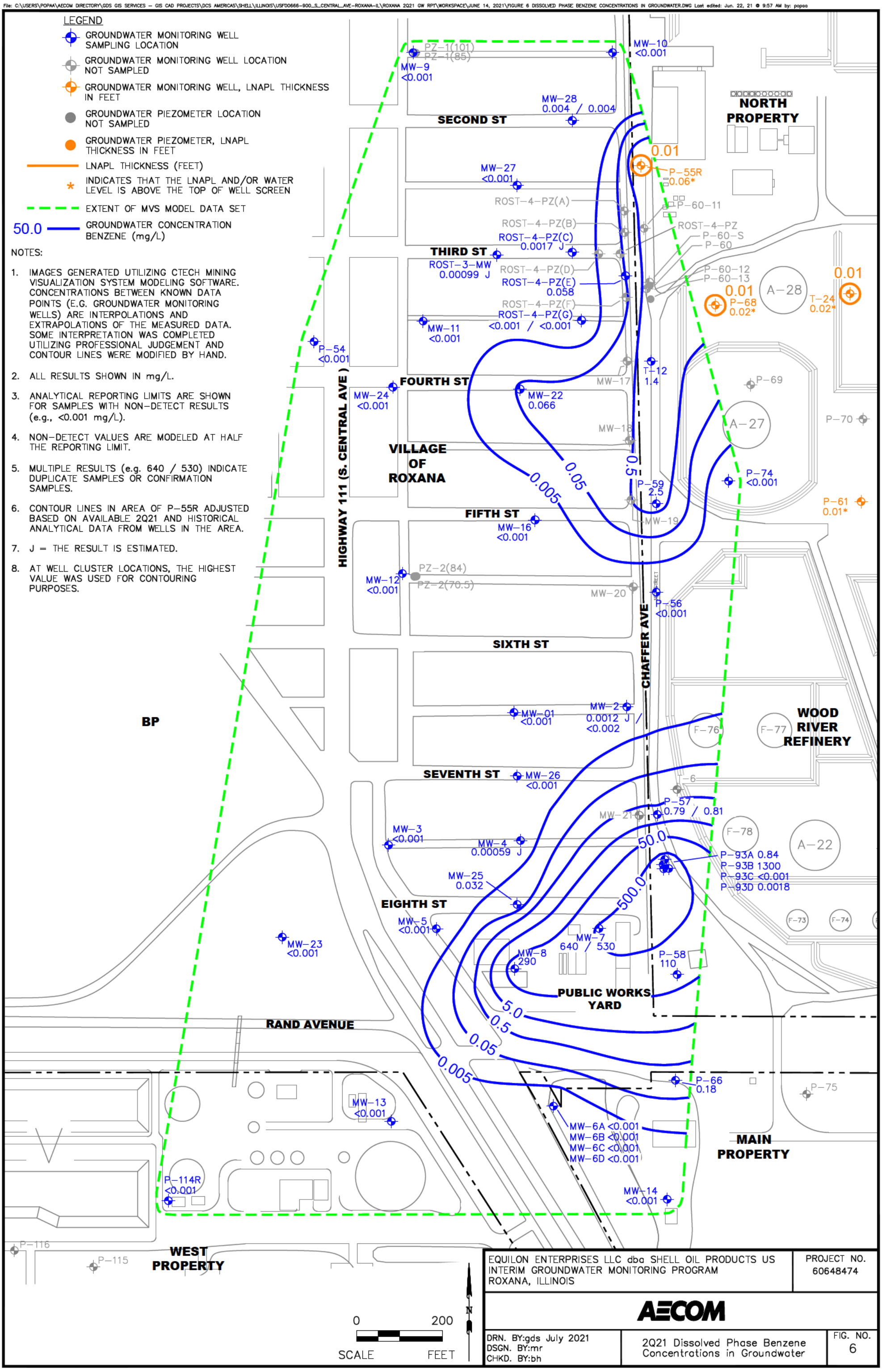
File: C:\USERS\POPAA\AECOM DIRECTORY\GDS GIS SERVICES – GIS CAD PROJECTS\DCS AMERICAS\SHELL\ILLINOIS\USF00666-900_S_CENTRAL_AVE-ROXANA-IL\ROXANA 2Q21 GW RPT\WORKSPACE\JUNE 14, 2021\FIGURE 6 DISSOLVED PHASE BENZENE CONCENTRATIONS IN GROUNDWATER.DWG Last edited: Jun. 22, 21 @ 9:57 AM by: popaa

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. 640 / 530) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.
6. CONTOUR LINES IN AREA OF P-55R ADJUSTED BASED ON AVAILABLE 2Q21 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.



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

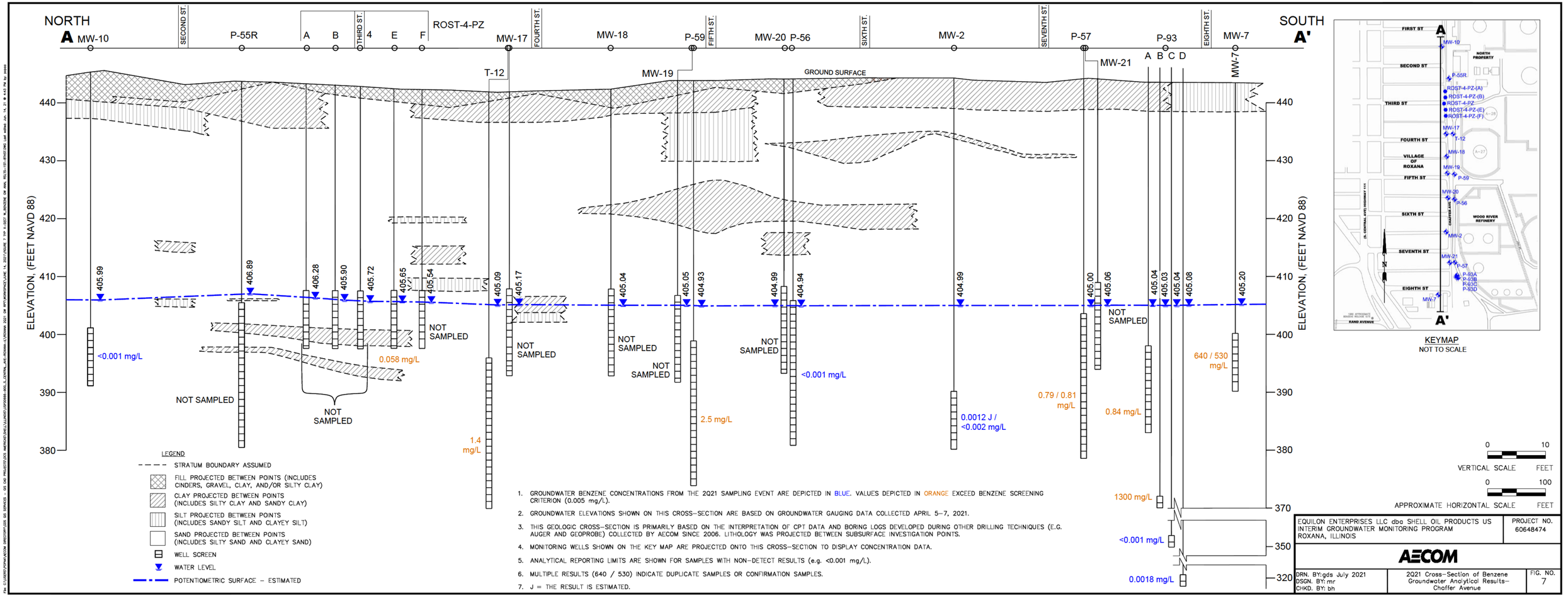
PROJECT NO. 60648474

AECOM

DRN. BY:gds July 2021
DSGN. BY:mr
CHKD. BY:bh

2Q21 Dissolved Phase Benzene Concentrations in Groundwater

FIG. NO. 6



1. GROUNDWATER BENZENE CONCENTRATIONS FROM THE 2Q21 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 APRIL 5–7, 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 (640 / 530) INDICATE DUPLICATE SAMPLES OR CONFIRMATION SAMPLES.
7. J = THE RESULT IS ESTIMATED.

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

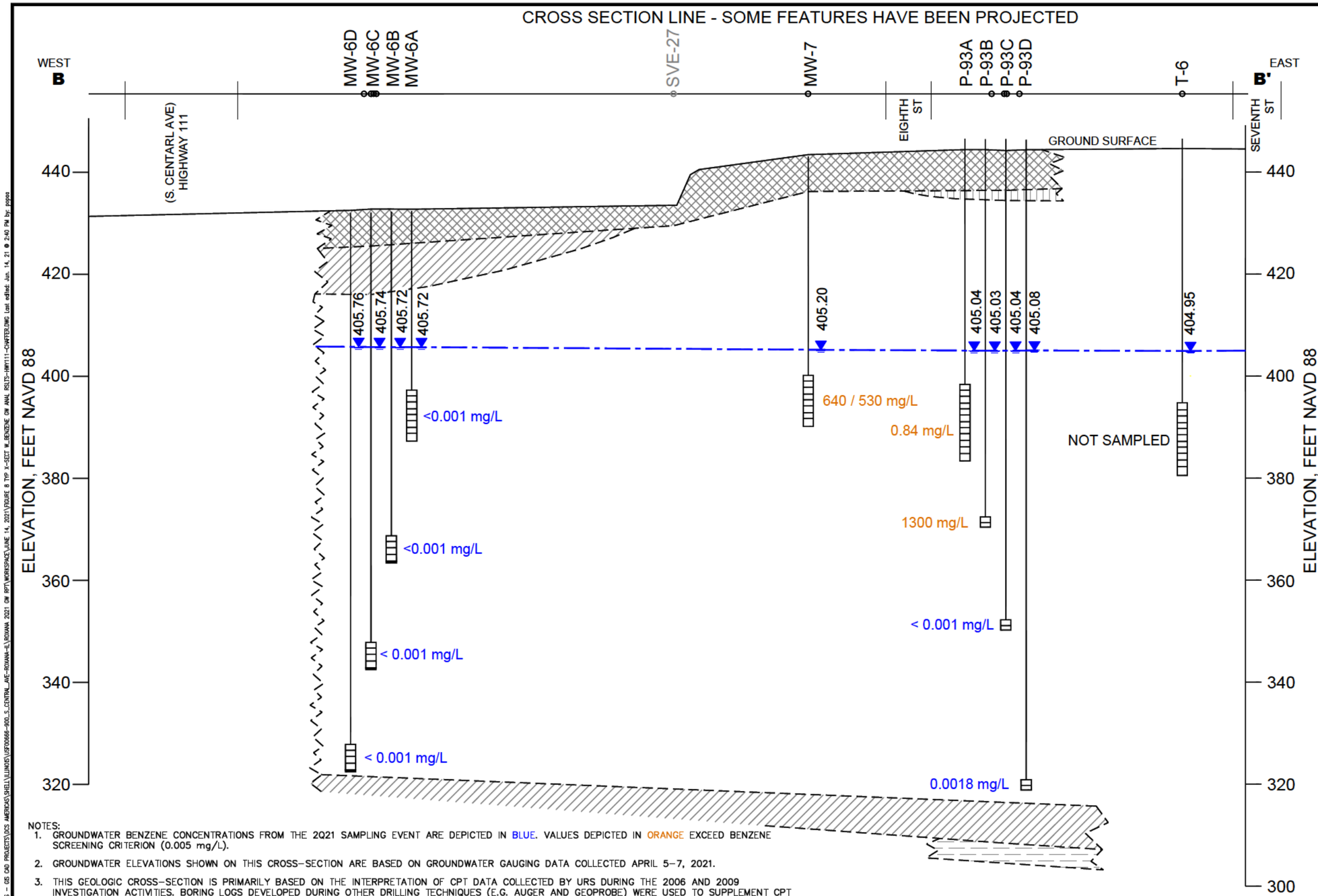
PROJECT NO. 60648474

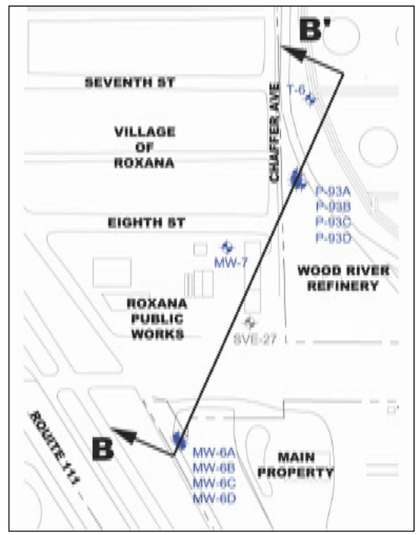
AECOM

DRN. BY: gds July 2021
DSGN. BY: mr
CHKD. BY: bh

2Q21 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

0 20
VERTICAL SCALE FEET

0 100
HORIZONTAL SCALE FEET

NOTES:

1. GROUNDWATER BENZENE CONCENTRATIONS FROM THE 2Q21 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 APRIL 5-7, 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 (640 / 530) 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 July 2021 DSGN. BY:mr CHKD. BY:bh	2Q21 Cross-Section of Benzene Groundwater Analytical Results– Roxana Public Works Yard
	FIG. NO. 8

File: C:\USERS\POPAA\AECOM DIRECTORY\GDS GIS SERVICES - GIS CAD PROJECTS\DCS AMERICAS\SHELL\ILLINOIS\USF00666-900_S_CENTRAL_AVE-ROXANA-IL\ROXANA 2021 GW RPT\WORKSPACE\JUNE 14, 2021\FIGURE 8 TYP X-SECT W_BENZENE GW ANAL RSLTS-HWY111-CHAFFER.DWG Last edited: Jun. 14, 21 @ 2:40 PM by: popaa

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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Olive; T. Jones

DATE: 4/13/21 WEATHER: Sunny 60's

MONITORING WELL ID: MW-1 SAMPLE ID: MW1-Rox-041321

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): 37.72 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 (WHICHEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 10.33 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	1200	37.73	Clear	Slight	1.27	1.27	1.035 mS/cm uS/cm	7.29	0.60	36.17
300	1201	37.73	↓	↓	0.89	0.89	1.040 mS/cm uS/cm	7.22	AB: 1.3	37.60
600	1202	37.73			0.77	0.77	1.039 mS/cm uS/cm	7.18	1.8	37.26
900	1203	37.73			0.71	0.71	1.039 mS/cm uS/cm	7.16	2.2	36.86
1,200	1204	37.73			0.67	0.67	1.040 mS/cm uS/cm	7.14	2.6	35.97
1,500	1205	37.73			0.64	0.64	1.041 mS/cm uS/cm	7.12	3.1	39.67
					AO		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: 1200 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS - 45715/14578

Stop Time: 1205 Average Purge Rate (mL/min): 300 Date Calibrated: 4/13/21

SAMPLING DATA

Sample Date: 4/13/21 Sample Time: 1210 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QC Samples: 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 GROUNDWA. .AMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver; T. Jones

DATE: 4/15/21 WEATHER: Sunny 55°

MONITORING WELL ID: MW-2 SAMPLE ID: MW2-Rox-041521/-(Dup)

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	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 60.20 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 38.86 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): 49.87 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: 82.6 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 21.34 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	1002	38.86	Clear	Strong	17.4	1.51	1.456 mS/cm uS/cm	7.13	-129.5	18.14
300	1003				17.6	0.99	1.463 mS/cm uS/cm	7.10	-162.6	17.15
600	1004				17.8	0.82	1.466 mS/cm uS/cm	7.09	-189.4	14.99
900	1005				17.8	0.70	1.468 mS/cm uS/cm	7.08	-208.1	13.17
1,200	1006				17.8	0.64	1.467 mS/cm uS/cm	7.09	-221.4	11.33
1,500	1007				17.9	0.60	1.466 mS/cm uS/cm	7.08	-234.6	9.74
1,800	1008				18.0	0.57	1.465 mS/cm uS/cm	7.08	-245.9	8.35
2,100	1009				18.1	0.54	1.464 mS/cm uS/cm	7.09	-260.7	7.48
2400	1010				18.1	0.52	1.462 mS/cm uS/cm	7.09	-254.4	6.98
2,700	1010				18.1	0.50	1.463 mS/cm uS/cm	7.10	-265.8	6.00
							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: 1002 Elapsed Time (min): ~~AO~~ 8 9 Water Quality Meter ID & SN: YSI ProDSS 45715/45716

Stop Time: 1010 AM Average Purge Rate (mL/min): 300 Date Calibrated: 4/15/21

SAMPLING DATA

Sample Date: 4/15/21 Sample Time: 1015 Lab Analysis: VOC, SVOC, PAH

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

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: 2,700 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver; T. Jones

DATE: 4/13/21 WEATHER: Overcast 60°

MONITORING WELL ID: MW-3 SAMPLE ID: MW3-Rox-041321

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): 24.93 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		Wellbore PID/FID Reading: 0.0 ppm
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 (WHICHEVER IS DEEPER): — ft btoc	
Screen Length: 10 ft		
Water Column Height (not including NAPL): 20.07 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	0857	24.96	clear	Slight	16.9	0.89	1.357 mS/cm uS/cm	6.52	-97.7	6.00
300	0858	24.97			17.0	0.79	1.351 mS/cm uS/cm	6.57	-109.2	5.74
600	0859	24.97			17.0	0.72	1.354 mS/cm uS/cm	6.61	-116.9	5.31
900	0900	24.97			17.1	0.67	1.350 mS/cm uS/cm	6.65	-122.5	5.03
1200	0901	24.97			17.0	0.63	1.349 mS/cm uS/cm	6.68	-126.7	6.25
							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			
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							mS/cm uS/cm			
							mS/cm uS/cm			

Start Time: 0857 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 45715/45718

Stop Time: 0901 Average Purge Rate (mL/min): 300 Date Calibrated: 4/13/21

SAMPLING DATA

Sample Date: 4/13/21 Sample Time: 0905 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QC Samples: 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: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: MD'Angelo JMayer

DATE: 4/19/21 WEATHER: clear 55°

MONITORING WELL ID: MW-4 SAMPLE ID: MW4-ROX-041921

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): 35.83 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): 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 (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 19.56 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	0900	35.83	cloudy	Slight HC	17.7	0.77	1.095 mS/cm uS/cm	6.68	-58.5	88.12
3300	0911	35.83			18.9	0.64	1.088 mS/cm uS/cm	6.73	-84.8	50.66
3600	0912	35.83			19.2	0.65	1.087 mS/cm uS/cm	6.74	-86.2	47.69
3900	0913				18.0	0.65	1.084 mS/cm uS/cm	6.74	-87.2	43.00
4200	0914	↓	↓	↓	19.0	0.65	1.084 mS/cm uS/cm	6.75	-88.7	38.86
							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 4/19/21

Start Time: 0900 Elapsed Time (min): 14 Water Quality Meter ID & SN: YSI ProDSS - 04716/44004

Stop Time: 0914 Average Purge Rate (mL/min): 300 Date Calibrated: 4/19/21

SAMPLING DATA

Sample Date: 4/19/21 Sample Time: 0920 Lab Analysis: VOC, SVOC, PAH

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

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: 4200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver; T. Jones

DATE: 4/14/21 WEATHER: Overcast 55°

MONITORING WELL ID: MW-5 SAMPLE ID: MW5-Rox-041421

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	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 44.30 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 24.53 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): 33.97 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): 19.77 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	

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	0838	24.52	Clear	Slight	16.6	1.02	1.488 mS/cm uS/cm	6.25	-67.6	12.2
300	0839	↓	↓	↓	16.7	0.89	1.487 mS/cm uS/cm	6.34	-80.2	12.47
600	0840				16.9	0.79	1.485 mS/cm uS/cm	6.40	-88.9	12.95
900	0841				17.0	0.74	1.485 mS/cm uS/cm	6.44	-96.3	13.19
1,200	0842				17.0	0.70	1.485 mS/cm uS/cm	6.49	-102.3	13.39
1,500	0843				17.3	0.67	1.484 mS/cm uS/cm	6.52	-106.5	12.62
							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: 0838 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS - 457151457c8

Stop Time: 0843 Average Purge Rate (mL/min): 300 Date Calibrated: 4/14/21

SAMPLING DATA

Sample Date: 4/14/21 Sample Time: 0845 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QC Samples: 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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver ; T. Jones

DATE: 4/14/21 WEATHER: Sunny 55°

MONITORING WELL ID: MW-6A SAMPLE ID: MW6A-Rox-041421

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	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 44.18 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 26.50 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): 33.85 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	Wellbore PID/FID Reading: 0.0 ppm
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	

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	1250	26.50	Brown	Slight	19.0	0.90	0.848 mS/cm uS/cm	6.85	-11.9	713.9
6,000	1310		Cloudy		19.3	0.47	0.996 mS/cm uS/cm	6.56	-69.7	115.8
6,300	1311		Cloudy		19.3	0.46	0.997 mS/cm uS/cm	6.56	-70.9	113.64
6,600	1312		Cloudy		19.4	0.45	0.996 mS/cm uS/cm	6.55	-71.7	109.32
6,900	1313		Clear		19.4	0.45	0.997 mS/cm uS/cm	6.55	-72.5	104.25
7,200	1314				19.4	0.44	0.998 mS/cm uS/cm	6.55	-73.3	97.27
7,500	1315				19.5	0.44	1.002 mS/cm uS/cm	6.55	-74.4	95.91
7,800	1316				19.4	0.43	1.005 mS/cm uS/cm	6.55	-76.2	95.80
8,100	1317				19.4	0.43	1.005 mS/cm uS/cm	6.55	-76.9	95.15
							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			

Start Time: 1250 Elapsed Time (min): 27 Water Quality Meter ID & SN: YSI ProDSS - 457151457218

Stop Time: 1317 Average Purge Rate (mL/min): 300 Date Calibrated: ~~4/13/21~~ AO 4/14/21

SAMPLING DATA

Sample Date: 4/14/21 Sample Time: 1320 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QC Samples: 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: 8,100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver ; T. Jones

DATE: 4/14/21 WEATHER: Sunny 55°

MONITORING WELL ID: MW-6B SAMPLE ID: MW6B-Rox 041421

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 66.55 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 69.38 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 26.59 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): 64.05 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: 5 ft		
Water Column Height (not including NAPL): 43.79 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	0921	26.60	Clear	Slight	18.5	0.92	0.789 mS/cm uS/cm	7.06	-75.2	28.93
300	0922	↓	↓	↓	18.4	0.85	0.788 mS/cm uS/cm	7.08	-83.5	26.08
600	0923				18.4	0.81	0.788 mS/cm uS/cm	7.09	-89.1	23.15
900	0924				18.4	0.77	0.789 mS/cm uS/cm	7.10	-93.7	21.18
1,200	0925				18.6	0.72	0.789 mS/cm uS/cm	7.11	-98.2	17.29
							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: 0921 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 457151457 18

Stop Time: 0925 Average Purge Rate (mL/min): 300 Date Calibrated: 4/14/21

SAMPLING DATA

Sample Date: 4/14/21 Sample Time: 0930 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QC Samples: 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: 1,200 mL

~~Tile Flow~~ NC

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver ; T. Jones

DATE: 4/14/21 WEATHER: Sunny 55°

MONITORING WELL ID: MW-6C SAMPLE ID: MW6C-Rox-041421 - (MS/MSD)

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 86.45 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): 26.39 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): 84.95 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	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 5 ft		
Water Column Height (not including NAPL): 63.89 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	1005	26.38	Clear	Slight	~~18.6~~ 18.4	0.77	0.706 mS/cm uS/cm	7.19	-12.4	7.53
300	1006	↓	↓	↓	18.5	0.73	0.707 mS/cm uS/cm	7.18	-115.4	6.73
600	1007				18.6	0.70	0.707 mS/cm uS/cm	7.18	-118.0	6.67
900	1008				18.5	0.67	0.707 mS/cm uS/cm	7.18	-120.0	6.61
1,200	1009				18.6	0.64	0.708 mS/cm uS/cm	7.18	-120.9	6.60
							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			
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							mS/cm uS/cm			
							mS/cm uS/cm			

AO

Start Time: 1005 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 16715/16718

Stop Time: 1009 Average Purge Rate (mL/min): 300 Date Calibrated: 4/14/21

SAMPLING DATA

Sample Date: 4/14/21 Sample Time: 1010 Lab Analysis: VOC, SVOC, PAH

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

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: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver ; T. Jones

DATE: 4/14/21 WEATHER: Sunny 60°

MONITORING WELL ID: MW-6D SAMPLE ID: MW6D-ROX-041421

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): 26.22 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: 0.0 ppm
Screen Length: 5 ft		
Water Column Height (not including NAPL): 83.83 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	1155	26.21	Cloudy	Slight	18.6	3.10	0.922 mS/cm uS/cm	7.51	-80.1	261.01
4,600	1210		Cloudy		18.4	0.73	0.946 mS/cm uS/cm	7.21	-124.2	68.21
4,800	1214		Clear		18.4	0.67	0.946 mS/cm uS/cm	7.20	-130.5	62.31
5,100	1212		Clear		18.4	0.63	0.947 mS/cm uS/cm	7.19	-131.7	53.25
5,400	1213		Clear		18.4	0.61	0.947 mS/cm uS/cm	7.19	-132.6	49.86
5,700	1214		Clear		18.4	0.60	0.947 mS/cm uS/cm	7.19	-133.5	43.01
							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			

AO

Start Time: 1155 Elapsed Time (min): 19 Water Quality Meter ID & SN: YSI ProDSS - 45715 / 45718

Stop Time: 1214 Average Purge Rate (mL/min): 300 Date Calibrated: 4/14/21

SAMPLING DATA

Sample Date: 4/14/21 Sample Time: 1220 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QC Samples: 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: 5,700 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: MD'Angelo JMayer

DATE: 4/19/21 WEATHER: clear 68°

MONITORING WELL ID: MW-7 SAMPLE ID: MW7-ROX-041921

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): 37.81 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 (WHICHEVER IS DEEPER): ft btoc	Wellbore PID/FID Reading: 4249.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 15.11 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	1310	37.81	clear	slight HC	19.5	0.79	1.409 mS/cm uS/cm	6.94	-71.6	9.55
300	1311	37.81	↓	↓	19.3	0.77	1.394 mS/cm uS/cm	6.94	-75.9	9.14
600	1312	37.81	↓	↓	19.2	0.72	1.385 mS/cm uS/cm	6.95	-78.7	9.23
900	1313	↓	↓	↓	19.4	0.67	1.396 mS/cm uS/cm	6.95	-82.0	9.30
1200	1314	↓	↓	↓	19.4	0.66	1.367 mS/cm uS/cm	6.95	-84.2	9.32
							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			

MD'Angelo 4/19/21

Start Time: 1310 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 45716/44004

Stop Time: 1314 Average Purge Rate (mL/min): 300 Date Calibrated: 4/19/21

SAMPLING DATA

Sample Date: 4/19/21 Sample Time: 1320 Lab Analysis: VOC, SVOC, PAH

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

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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: MD'Angelo JMayer

DATE: 4/19/21 WEATHER: clear 65°

MONITORING WELL ID: MW-8 SAMPLE ID: MW8-ROX-041921

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	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 43.60 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 28.71 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): 33.60 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: 1.4 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 14.89 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	1215	28.71	clear	Moderate HC	19.7	1.04	1.396 mS/cm uS/cm	6.89	-114.5	13.09
300	1216	28.72	↓	↓	19.4	0.88	1.392 mS/cm uS/cm	6.86	-117.9	14.45
600	1217	28.72			19.3	0.83	1.385 mS/cm uS/cm	6.86	-119.7	13.91
900	1218	28.72			19.3	0.79	1.373 mS/cm uS/cm	6.86	-121.9	15.03
1200	1219	↓	↓	↓	19.4	0.75	1.362 mS/cm uS/cm	6.86	-123.3	17.72
							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 4/19/21

Start Time: 1215 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 45716/14004

Stop Time: 1219 Average Purge Rate (mL/min): 300 Date Calibrated: 4/19/21

SAMPLING DATA

Sample Date: 4/19/21 Sample Time: 1225 Lab Analysis: VOC, SVOC, PAH

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

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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver; T Jones

DATE: 4/8/21 WEATHER: Sunny 60°

MONITORING WELL ID: MW-9 SAMPLE ID: MW-9-ROX-040821

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ~~AO 51.04~~ 51.37 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): 39.23 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): 17.14 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	1002	39.39	clear	Slight	16.4	3.30	1.816	mS/cm uS/cm	6.69	-67.2	41.87
	300	1003	39.37			16.9	2.63	1.810	mS/cm uS/cm	6.71	-73.3	36.45
	600	1004	39.38			16.9	3.40	1.805	mS/cm uS/cm	6.72	-76.0	34.77
	900	1005	39.29			17.0	2.23	1.797	mS/cm uS/cm	6.73	-78.5	35.30
	1200	1006	39.28			17.1	2.02	1.778	mS/cm uS/cm	6.75	-81.5	35.17
	1500	1007	39.28			17.0	1.91	1.763	mS/cm uS/cm	6.77	-84.3	34.05
	1800	1009	39.28			17.1	1.78	1.754	mS/cm uS/cm	6.78	-86.1	33.85
	2,100	1009	39.28			17.3	1.68	1.749	mS/cm uS/cm	6.80	-88.6	33.61
AO	~~3,000~~ 4,200	1016	39.28			17.2	1.54	1.744	mS/cm uS/cm	6.82	-90.4	33.09
AO	~~3,300~~ 4,500	1017	39.28			17.1	1.51	1.749	mS/cm uS/cm	6.79	-88.6	32.04
AO	~~4,500~~ 4,800	1018	~~39.28~~	↓	↓	17.1	1.49	1.747	mS/cm uS/cm	6.81	-89.7	36.25
									mS/cm uS/cm			
									mS/cm uS/cm			
									mS/cm uS/cm			
							AO		mS/cm uS/cm			
									mS/cm uS/cm			

Start Time: 1002 Elapsed Time (min): 16 Water Quality Meter ID & SN: YSI ProDSS - 46381/146385

Stop Time: 1018 Average Purge Rate (mL/min): 300 Date Calibrated: 4/8/21

SAMPLING DATA

Sample Date: 4/8/21 Sample Time: 1020 Lab Analysis: VOC, SVOC, PAH

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

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: 4,800 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver; T. Jones

DATE: 4/8/21 WEATHER: Overcast 60°

MONITORING WELL ID: MW-10 SAMPLE ID: MW-10-Rox-040821

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 49.76 AO 49.76 ft btoc
Total Well Depth (btoc): 54.76 ft	
Depth to Water (btoc): 38.97 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): 44.43 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
Screen Length: 10 ft	
Water Column Height (not including NAPL): 15.79 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	1103	~~38.98~~	Clear	Slight	16.4	3.86	0.905 mS/cm uS/cm	7.12	-85.7	137.25
300	1104	38.98	↓	↓	16.7	3.18	0.907 mS/cm uS/cm	7.07	-84.9	122.49
8400	1131	↓	↓	↓	17.3	1.28	0.919 mS/cm uS/cm	7.07	-106.7	29.73
8,700	1132	↓	↓	↓	17.3	1.27	0.920 mS/cm uS/cm	7.07	-106.7	31.3
9,000	1133	↓	↓	↓	17.3	1.26	0.919 mS/cm uS/cm	7.07	-106.7	33.55
9,300	1134	↓	↓	↓	17.3	1.25	0.920 mS/cm uS/cm	7.07	-107.1	31.88
							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			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

Start Time: 1103 Elapsed Time (min): 31 Water Quality Meter ID & SN: YSI ProDSS - 46381 / 46385

Stop Time: 1134 Average Purge Rate (mL/min): 300 Date Calibrated: 04/08/21

SAMPLING DATA

Sample Date: 4/8/21 Sample Time: 1135 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: 9,300 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver; T. Jones

DATE: 4/12/21 WEATHER: Sunny 65°

MONITORING WELL ID: MW-11 SAMPLE ID: MW11-Rox-041221; MW11-Rox-041221-EB

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 51.99 ft
Depth to Water (btoc): 36.96 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 41.66 ft
Screen Length: 10 ft
Water Column Height (not including NAPL): 15.03 ft

IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 46.66 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 (WHICHEVER 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: 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	1203	36.97	clear	Slight	16.9	0.97	1.592 mS/cm uS/cm	6.80	-72.9	60.92
300	1204	↓	↓	↓	17.0	0.83	1.593 mS/cm uS/cm	6.77	-74.4	53.92
600	1205	↓	↓	↓	17.0	0.76	1.594 mS/cm uS/cm	6.76	-75.5	54.23
900	1206	↓	↓	↓	17.1	0.70	1.595 mS/cm uS/cm	6.75	-76.1	99.89
1,200	1207	↓	↓	↓	17.1	0.67	1.593 mS/cm uS/cm	6.74	-76.8	47.62
							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: 1203 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 457151/45718
Stop Time: 1207 Average Purge Rate (mL/min): 300 Date Calibrated: 4/12/21

SAMPLING DATA

Sample Date: 4/12/21 Sample Time: 1140 (EB) 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: AO

COMMENTS:

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

Estimated Total Purge Volume: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver; T. Jones

DATE: 4/12/21 WEATHER: Sunny 65°

MONITORING WELL ID: MW-12 SAMPLE ID: MW12-Rox-04121 (MS/MSD)

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	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 52.25 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): 41.92 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): 14.88 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	

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	37.38	Clear	Slight	17.8	0.80	1.059 mS/cm uS/cm	7.11	31.1	11.98
300	1254	↓	↓	↓	17.8	0.70	1.059 mS/cm uS/cm	7.07	32.1	11.73
600	1255				18.0	0.66	1.058 mS/cm uS/cm	7.05	32.8	12.1
900	1256				18.1	0.63	1.057 mS/cm uS/cm	7.03	33.6	11.95
1,200	1257				18.1	0.60	1.058 mS/cm uS/cm	7.01	34.4	12.10
							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			

AO

Start Time: 1253 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 457154571 8

Stop Time: 1257 Average Purge Rate (mL/min): 300 Date Calibrated: 4/12/21

SAMPLING DATA

Sample Date: 4/12/21 Sample Time: 1300 Lab Analysis: VOC, SVOC, PAH

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

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: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver; T. Jones

DATE: 4/12/21 WEATHER: Sunny 60°

MONITORING WELL ID: MW-13 SAMPLE ID: MW13-Rox-041221

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 29.8 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): 24.48 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): 24.80 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): 10.57 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	

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	1003	24.48	cloudy	moderate	19.3	0.99	1.374 mS/cm uS/cm	6.70	-81.7	287.54
5,400	1021				19.7	0.64	1.323 mS/cm uS/cm	6.53	-104.7	52.65
5,700	1022				19.4	0.64	1.318 mS/cm uS/cm	6.52	-105.9	51.51
6,000	1023				19.9	0.64	1.317 mS/cm uS/cm	6.53	-106.9	48.24
6,300	1024				19.9	0.63	1.316 mS/cm uS/cm	6.52	-107.8	45.8
							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			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

AO

Start Time: 1003 Elapsed Time (min): 21 Water Quality Meter ID & SN: YSI ProDSS - 457151457 18

Stop Time: 1024 Average Purge Rate (mL/min): 300 Date Calibrated: 4/12/21

SAMPLING DATA

Sample Date: 4/12/21 Sample Time: 1025 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QC Samples: 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: 6,300 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: MD Angels Imayer

DATE: 4/9/21 WEATHER: clear 70°

MONITORING WELL ID: MW-14 SAMPLE ID: MW14-ROX-040921

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 44.00 ft
Depth to Water (btoc): 28.57 ft
Depth to LNAPL/DNAPL (btoc): NE ft
Depth to Top of Screen (btoc): 33.42 ft
Screen Length: 10 ft
Water Column Height (not including NAPL): 15.43 ft

IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 38.42 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 (WHICHEVER 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: 48.0 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	1138	28.58	clear	slight HC	20.1	0.77	1.174 mS/cm uS/cm	6.85	-103.9	67.81
300	1139	28.58	↓	↓	20.0	0.67	1.173 mS/cm uS/cm	6.84	-106.7	60.55
600	1140	28.58	↓	↓	20.0	0.63	1.174 mS/cm uS/cm	6.84	-108.7	61.47
900	1141	↓	↓	↓	19.8	0.58	1.175 mS/cm uS/cm	6.84	-110.2	53.24
1200	1142	↓	↓	↓	19.9	0.56	1.176 mS/cm uS/cm	6.84	-111.3	47.70
							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			

MD Angels 4/9/21

Start Time: 1138 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 45716/44004
Stop Time: 1142 Average Purge Rate (mL/min): 300 Date Calibrated: 4/9/21

SAMPLING DATA

Sample Date: 4/9/21 Sample Time: 1145 Lab Analysis: VOC, SVOC, PAH
Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QC Samples: NA
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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver ; T Jones

DATE: 4/8/21 WEATHER: Overcast 60°

MONITORING WELL ID: MW-16 SAMPLE ID: MW16-040821; MW16-040821-MS; MW16-040821-MSD

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ~~42.50~~ AO 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): 38.35 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 43.05 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): 9.40 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	1407	38.35	Clear	Slight	16.8	4.20	1.259 mS/cm uS/cm	6.59	-11.2	72.77
300	1408	38.35			17.0	3.14	1.237 mS/cm uS/cm	6.84	-10.1	56.02
1,800	1413	38.35			17.2	2.26	1.216 mS/cm uS/cm	6.81	-8.7	31.20
2,100	1414	38.35			17.3	2.13	1.211 mS/cm uS/cm	6.81	-9.2	26.35
2,400	1415	38.35			17.3	1.98	1.204 mS/cm uS/cm	6.81	-10.5	22.05
2,700	1416				17.3	1.89	1.195 mS/cm uS/cm	6.81	-11.8	16.44
3,000	1417				17.3	1.81	1.184 mS/cm uS/cm	6.82	-13.1	15.56
3,300	1418				17.3	1.74	1.169 mS/cm uS/cm	6.82	-13.4	11.98
3,600	1419				17.3	1.69	1.156 mS/cm uS/cm	6.82	-13.3	9.35
							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			

Start Time: 1407 Elapsed Time (min): 12 Water Quality Meter ID & SN: YSI ProDSS -- 16381 / 16385

Stop Time: 1419 Average Purge Rate (mL/min): 300 Date Calibrated: 4/8/21

SAMPLING DATA

Sample Date: 4/8/21 Sample Time: 1425 Lab Analysis: VOC, SVOC, PAH

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

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: 3,600 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver ; T. Jones

DATE: 4/15/21 WEATHER: Sunny 55°

MONITORING WELL ID: MW-22 SAMPLE ID: MW22-Rox-041521

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: ~~43.43~~ AO ~~43.43~~ 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): 37.05 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 (WHIEVER IS DEEPER): — ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 11.36 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	1218	37.05	clear	Moderate	18.5	1.09	1.283	mS/cm uS/cm	7.11	-125.5	21.75
300	1219	37.05	↓	↓	18.6	0.89	1.279	mS/cm uS/cm	7.04	-130.3	23.13
600	1220	37.05			18.7	0.76	1.272	mS/cm uS/cm	7.00	-133.7	24.51
900	1221	37.06			18.8	0.70	1.267	mS/cm uS/cm	6.98	-135.9	24.25
1,200	1222	37.05			19.0	0.66	1.260	mS/cm uS/cm	6.96	-137.4	23.82
1,500	1223	37.06			19.0	0.62	1.252	mS/cm uS/cm	6.95	-138.5	22.96
								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			
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								mS/cm uS/cm			

AO

Start Time: 1218 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS - 457151457 18

Stop Time: 1223 Average Purge Rate (mL/min): 300 Date Calibrated: 4/15/21

SAMPLING DATA

Sample Date: 4/15/21 Sample Time: 1225 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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Olvera; T. Jones

DATE: 4/9/21 WEATHER: Sunny 60's

MONITORING WELL ID: MW-23 SAMPLE ID: MW23-Rox-040921

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		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 26.01 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): 29.02 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): 13.26 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	1011	26.03	Clear	Slight	17.9	0.89	1.100 mS/cm uS/cm	6.56	-107.4	46.63
300	1012	26.02	↓	↓	17.9	0.86	1.100 mS/cm uS/cm	6.55	-108.1	49.75
600	1013	26.02			17.9	0.74	1.097 mS/cm uS/cm	6.53	-108.6	47.41
900	1014	26.02			18.0	0.67	1.095 mS/cm uS/cm	6.52	-109.3	46.5
1,200	1015	26.02			18.1	0.69	1.094 mS/cm uS/cm	6.52	-110.0	45.02
							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: 1011 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 45715 / 45718

Stop Time: 1015 Average Purge Rate (mL/min): 300 Date Calibrated: 4/9/21

SAMPLING DATA

Sample Date: 4/9/21 Sample Time: 1020 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QC Samples: 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: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver; T. Jones

DATE: 4/13/21 WEATHER: Overcast 60°

MONITORING WELL ID: MW-24 SAMPLE ID: MW24-Rox-041321

INITIAL DATA

Well Diameter): 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 46.61 ft btoc	Volume of Flow Through Cell : 320* mL
Total Well Depth (btoc): 49.86 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 38.31 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): 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	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 11.55 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	0949	38.31	Clear	Slight	16.8	1.37	1.345 mS/cm uS/cm	6.89	4.6	75.15
300	0950	↓	↓	↓	17.2	0.92	1.350 mS/cm uS/cm	6.86	4.1	61.91
600	0951				17.3	0.83	1.351 mS/cm uS/cm	6.85	5.0	52.50
900	0952				17.4	0.78	1.352 mS/cm uS/cm	6.85	6.7	43.27
1,200	0953				17.4	0.77	1.354 mS/cm uS/cm	6.84	8.7	37.66
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
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							mS/cm uS/cm			

AO

Start Time: 0949 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS – 45715/145718

Stop Time: 0953 Average Purge Rate (mL/min): 300 Date Calibrated: 4/13/21

SAMPLING DATA

Sample Date: 4/13/21 Sample Time: 0955 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QC Samples: 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: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: MD'Angelo JMayer

DATE: 4/19/21 WEATHER: clear 60°

MONITORING WELL ID: MW-25 SAMPLE ID: MW25-ROX-041921

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): 32.97 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: 30.4 ppm	
Depth to Top of Screen (btoc): 35.59 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): 12.87 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	0958	32.97	cloudy	moderate HC	18.8	0.81	1.252 mS/cm uS/cm	6.86	+97.3	24.48
300	0959	32.97	↓	↓	18.7	0.77	1.253 mS/cm uS/cm	6.86	-100.4	21.31
600	1000	32.97	↓	↓	18.7	0.75	1.253 mS/cm uS/cm	6.87	-103.8	19.95
900	1001	↓	↓	↓	18.3	0.74	1.255 mS/cm uS/cm	6.88	-106.1	16.36
1200	1002	↓	↓	↓	18.3	0.74	1.250 mS/cm uS/cm	6.88	-108.3	14.61
							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			

MD'Angelo 4/19/21

Start Time: 0958 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 04716 / 44004

Stop Time: 1002 Average Purge Rate (mL/min): 300 Date Calibrated: 4/19/21 5

SAMPLING DATA

Sample Date: 4/19/21 Sample Time: 1005 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace ☒ Initials: MD'AM

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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver ; Tony Jones

DATE: 4/9/21 WEATHER: Sunny 60°

MONITORING WELL ID: MW-26 SAMPLE ID: MW26-Rox-040921

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 4/9 AO ~~33.15~~ 43.15 ft btoc
Total Well Depth (btoc): 48.40 ft	
Depth to Water (btoc): 35.92 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): 38.15 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): 12.48 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)
AO ~~0~~ 0	0929	35.96	Clear	Slight	17.4	1.23	1.614 mS/cm uS/cm	6.29	156.8	20.08
1/9 ~~300~~ 300	0930	35.96			17.6	0.95	1.615 mS/cm uS/cm	6.25	149.5	19.84
~~600~~ 600	0931	35.96			17.8	0.86	1.616 mS/cm uS/cm	6.25	145.8	19.86
~~900~~ 900	0932	35.96			17.9	0.80	1.615 mS/cm uS/cm	6.25	142.7	19.60
~~1,200~~ 1,200	0933	35.96			18.0	0.77	1.616 mS/cm uS/cm	6.26	140.3	18.82
							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			
							mS/cm uS/cm			

Start Time: 0929 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 17E105718

Stop Time: 0933 Average Purge Rate (mL/min): 300 Date Calibrated: 4/9/21

SAMPLING DATA

Sample Date: 4/9/21 Sample Time: 0935 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QC Samples: 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: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver; T Jones

DATE: 4/8/21 WEATHER: Overcast 60°

MONITORING WELL ID: MW-27 SAMPLE ID: MW27-ROX-040821

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: 45.04 ft btoc	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 50.04 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 37.60 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): 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	Wellbore PID/FID Reading: 0.0 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 12.44 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

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	37.73	clear	slight	16.0	4.43	0.998 mS/cm uS/cm	6.86	118.1	56.2
300	1238	37.73			16.1	4.17	0.998 mS/cm uS/cm	6.86	119.5	52.14
600	1239	37.73			16.2	3.78	0.990 mS/cm uS/cm	6.86	122.1	40.1
900	1240	37.72			16.2	3.45	0.997 mS/cm uS/cm	6.86	121.0	48.85
1,800	~~1241~~ 1243	37.73			16.3	3.46	0.976 mS/cm uS/cm	6.86	123.7	27.68
2,100	~~1242~~ 1244	37.73			16.3	3.28	0.973 mS/cm uS/cm	6.88	123.9	20.01
2,400	1245	37.73			16.4	3.14	0.973 mS/cm uS/cm	6.88	124.1	14.3
2,700	1246				16.2	3.11	0.973 mS/cm uS/cm	6.89	124.2	16.55
3,000	1247				16.2	3.03	0.971 mS/cm uS/cm	6.89	124.2	13.44
3,300	1248				16.1	2.97	0.972 mS/cm uS/cm	6.89	124.1	11.94
3,600	1249				16.3	2.88	0.970 mS/cm uS/cm	6.89	123.9	10.14
3,900	1250				16.5	2.80	0.970 mS/cm uS/cm	6.89	123.7	8.30
4,200	1251				16.6	2.77	0.971 mS/cm uS/cm	6.89	123.0	7.04
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

AO

Start Time: 1237 Elapsed Time (min): 14 Water Quality Meter ID & SN: YSI ProDSS - 46381 / 46385

Stop Time: 1251 Average Purge Rate (mL/min): 300 Date Calibrated: 4/8/21

SAMPLING DATA

Sample Date: 4/8/21 Sample Time: 1300 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: 4,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver; T. Jones

DATE: 4/16/21 WEATHER: Overcast 55°

MONITORING WELL ID: MW-28 SAMPLE ID: ~~AHW~~ AO MW28-Rox-041621 / -Dup

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		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 36.69 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 40.27 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): NE ft		
Depth to Top of Screen (btoc): 33.61 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	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 7.17 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	

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	0904	36.73	Clear	Slight	16.6	1.34	1.642 mS/cm uS/cm	6.06	14.7	57.01
300	0905	36.73			16.9	1.11	1.645 mS/cm uS/cm	6.16	-0.4	55.81
600	0906	36.73			17.2	0.96	1.645 mS/cm uS/cm	6.25	-12.7	46.22
900	0907	36.74			17.3	0.86	1.649 mS/cm uS/cm	6.32	-22.7	38.56
1,200	0908				17.4	0.79	1.649 mS/cm uS/cm	6.37	-30.8	33.14
1,500	0909				17.5	0.73	1.651 mS/cm uS/cm	6.41	-36.6	27.81
1,800	0910				17.5	0.71	1.640 mS/cm uS/cm	6.43	-40.4	26.49
							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: 0904 Elapsed Time (min): 6 Water Quality Meter ID & SN: YSI ProDSS - 45715/145718

Stop Time: 0910 Average Purge Rate (mL/min): 300 Date Calibrated: 4/16/21

SAMPLING DATA

Sample Date: 4/16/21 Sample Time: Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: ~~4/16/21~~ Dup

VOA Vials, No Headspace ☑ Initials: AO AO

COMMENTS:

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

Estimated Total Purge Volume: 1,800 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A.Oliver ; T. Jones

DATE: 4/13/21 WEATHER: Sunny 60°

MONITORING WELL ID: P-54 SAMPLE ID: P54-Rox-041321

INITIAL DATA

Well Diameter: 2 in	IF SCREEN ≤10 FT & WATER ABOVE TOP OF SCREEN – PUMP INTAKE AT MIDPOINT OF SCREEN: AO 43.00 50.5 ft btoc
Total Well Depth (btoc): 63.00 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: — ft btoc
Depth to Water (btoc): 37.07 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): 38.00 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: 25 ft	
Water Column Height (not including NAPL): 25.93 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	Odor	Temp (°C) (STABLE: over 4 readings)	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	1312	37.06	Clear	None	17.4	3.79	1.334 mS/cm uS/cm	7.09	33.5	27.75
300	1313				17.5	3.71	1.534 mS/cm uS/cm	7.05	34.6	27.33
600	1314				17.5	3.67	1.334 mS/cm uS/cm	7.02	35.5	26.64
900	1315				17.6	3.64	1.554 mS/cm uS/cm	6.99	36.4	26.99
1,200	1316				17.6	3.61	1.334 mS/cm uS/cm	6.97	37.3	27.08
1,500	1317				17.6	3.58	1.332 mS/cm uS/cm	6.95	38.1	27.92
							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: 1312 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS - 45715/45718

Stop Time: 1317 Average Purge Rate (mL/min): 300 Date Calibrated: 4/13/21

SAMPLING DATA

Sample Date: 4/13/21 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: 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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: MDAngelo JMayer

DATE: 4/14/21 WEATHER: Clear 60°

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	Volume of Flow Through Cell: 320* mL	
Total Well Depth (btoc): 50.68 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 37.20 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): 37.12 ft			
Depth to Top of Screen (btoc): 40.43 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: 119.5 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 13.48 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)
							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			

MDAngelo 4/14/21

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/QC Samples: —

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 presence of LNAPL

Estimated Total Purge Volume: — mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: MD'Angelo J Mayer

DATE: 4/9/21 WEATHER: clear 60°

MONITORING WELL ID: P56 SAMPLE ID: P56-rox-040921

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): 65.82 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 41.31 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): 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): 46.31 ft btoc	Wellbore PID/FID Reading: 11.5 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 24.51 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): ___ 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	1013	41.36	clear	Strong HC	20.1	0.56	1.087 ~~mS/cm~~ uS/cm	6.95	-165.5	17.38
300	1014	41.36	↓	↓	20.1	0.55	1.084 ~~mS/cm~~ uS/cm	6.96	-167.6	14.83
600	1015	41.36			20.0	0.53	1.079 ~~mS/cm~~ uS/cm	6.96	-168.8	14.90
900	1016	↓			20.0	0.52	1.075 ~~mS/cm~~ uS/cm	6.96	-169.7	12.14
1200	1017				20.0	0.51	1.073 ~~mS/cm~~ uS/cm	6.96	-170.1	12.19
							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 4/9/21

Start Time: 1013 MD 4/9 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS -- 45716/44004

Stop Time: 1017 Average Purge Rate (mL/min): 300 Date Calibrated: 4/9/21

SAMPLING DATA

Sample Date: 4/9/21 Sample Time: 1020 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QC Samples: NA

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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: MD'Angelo YMayer

DATE: 4/12/21 WEATHER: clear 63°

MONITORING WELL ID: P-57 SAMPLE ID: P57-ROX-041221

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	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 54.19 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 42.18 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): 44.19 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: 89.3 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 12.01 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	1132	42.52	clear	Slight HC	20.7	0.71	1.093 mS/cm uS/cm	6.84	-130.0	5.66
300	1133	42.56	↓	↓	20.8	0.68	1.093 mS/cm uS/cm	6.84	-131.4	6.35
600	1134	42.60			20.8	0.65	1.093 mS/cm uS/cm	6.85	-133.1	6.82
900	1135	42.58			20.9	0.62	1.093 mS/cm uS/cm	6.86	-135.4	8.36
1200	1136	42.59			21.0	0.60	1.093 mS/cm uS/cm	6.87	-138.5	8.84
							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 4/12/21

Start Time: 1132 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 457116 | 441004

Stop Time: 1136 Average Purge Rate (mL/min): 300 Date Calibrated: 4/12/21

SAMPLING DATA

Sample Date: Sample Time: 1140 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 [X] Initials: MDgm

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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: MDiAngelo JMayer

DATE: 4/14/21 WEATHER: partly cloudy 50°

MONITORING WELL ID: P-58 SAMPLE ID: P58-Rox-041421

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): 39.95 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): 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): 45.21 ft btoc
Screen Length: 25 ft	
Water Column Height (not including NAPL): 25.26 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: 21.9 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	0917	40.13	cloudy black	strong HC	19.6	0.71	1.492 mS/cm uS/cm	6.75	-114.4	18.00
300	0918	40.14	↓	↓	19.7	0.69	1.492 mS/cm uS/cm	6.76	-116.6	17.80
600	0919	40.14	↓	↓	19.8	0.66	1.493 mS/cm uS/cm	6.78	-120.4	17.32
900	0920	40.14	clearer	↓	19.8	0.64	1.494 mS/cm uS/cm	6.79	-123.3	16.51
1200	0921	↓	↓	↓	19.9	0.62	1.494 mS/cm uS/cm	6.80	-126.0	16.65
							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 4/14/21

Start Time: 0917 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 45716/44004

Stop Time: 0921 Average Purge Rate (mL/min): 300 Date Calibrated: 4/14/21

SAMPLING DATA

Sample Date: 4/14/21 Sample Time: 0925 Lab Analysis: VOC, SVOC, PAH

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

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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: MD'Angelo JMayer

DATE: 4/13/21 WEATHER: Mostly cloudy 57°

MONITORING WELL ID: P-59 SAMPLE ID: P59-ROX-041321

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): 42.27 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): 47.91 ft	IF SCREEN & WATER COLUMN >10 FT – PUMP INTAKE AT 5 FT BELOW TOP OF SCREEN OR TOP OF WATER (WHICHEVER IS DEEPER): 52.91 ft btoc	Wellbore PID/FID Reading: 184.5 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 30.64 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	1250	42.28	clear	slight HC	22.1	0.77	1.178 mS/cm uS/cm	6.73	-127.0	5.86
300	1251	42.27	↓	↓	22.2	0.72	1.177 mS/cm uS/cm	6.73	-128.12	6.11
600	1252	42.27			22.1	0.69	1.174 mS/cm uS/cm	6.73	-129.9	6.87
900	1253	42.27			22.3	0.65	1.172 mS/cm uS/cm	6.73	-131.7	6.30
1200	1254	↓			22.2	0.63	1.170 mS/cm uS/cm	6.73	-132.9	6.80
							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 4/13/21

Start Time: 1250 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 45716/44004

Stop Time: 1254 Average Purge Rate (mL/min): 300 Date Calibrated: 4/13/21

SAMPLING DATA

Sample Date: 4/13/21 Sample Time: 1300 Lab Analysis: VOC, SVOC, PAH

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

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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: MDAngelo JMayer

DATE: 4/9/21 WEATHER: Clear 73°

MONITORING WELL ID: P-66 SAMPLE ID: P66-ROX-040921

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): 31.44 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: ft btoc	Ambient PID/FID Reading: 0.1 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: 45.6 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 28.28 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	1238	31.46	Clear	Slight HC	22.2	0.74	1.106 mS/cm uS/cm	6.82	-133.6	6.88
300	1239	31.46			22.2	0.64	1.105 mS/cm uS/cm	6.83	-136.7	7.65
600	1240	31.46			22.6	0.62	1.106 mS/cm uS/cm	6.83	-139.9	8.15
900	1241	↓	↓	↓	22.3	0.60	1.109 mS/cm uS/cm	6.82	-139.1	9.50
1200	1242				22.4	0.58	1.110 mS/cm uS/cm	6.82	-139.9	10.45
							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			

MDAngelo 4/9/21

Start Time: 1238 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 45716/44004

Stop Time: 1242 Average Purge Rate (mL/min): 300 Date Calibrated: 4/9/21

SAMPLING DATA

Sample Date: 4/9/21 Sample Time: 1245 Lab Analysis: VOC, SVOC, PAH

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

VOA Vials, No Headspace [X] 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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: MD'Angelo JMayer

DATE: 4/14/21 WEATHER: clear 60°

MONITORING WELL ID: P-68 SAMPLE ID: —

INITIAL DATA

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): 68.76 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 40.18 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): 40.08 ft		
Depth to Top of Screen (btoc): 43.76 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: 159.5 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 28.66 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)
							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 presence of LNAPL

Estimated Total Purge Volume: — mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: M.D'Angelo JMayer

DATE: 4/12/21 WEATHER: partly cloudy 60°

MONITORING WELL ID: P-74 SAMPLE ID: P74-ROX-041221

INITIAL DATA

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): 37.84 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): NP 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 (WHICHEVER IS DEEPER): 48.83 ft btoc	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 25 ft		
Water Column Height (not including NAPL): 30.99 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

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	1013	38.30	clear	Slight HC	17.8	8.95	0.177 mS/cm uS/cm	7.00	102.0	21.40
4/12 3004500	1028	38.43	↓	↓	18.5	8.75	0.178 mS/cm uS/cm	7.61	103.3	21.24
4/12 4800	1029	38.43			18.5	8.74	0.178 mS/cm uS/cm	7.63	103.2	20.07
4/12 5100	1030	38.44			18.4	8.74	0.178 mS/cm uS/cm	7.64	103.2	20.14
4/12 5400	1031	38.45			18.5	8.71	0.178 mS/cm uS/cm	7.65	103.3	19.91
							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			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

M.D'Angelo 4/12/21

Start Time: 1013 Elapsed Time (min): 18 Water Quality Meter ID & SN: YSI ProDSS - 15716/14004

Stop Time: 1031 Average Purge Rate (mL/min): 300 Date Calibrated: 4/12/21

SAMPLING DATA

Sample Date: 4/12/21 Sample Time: 1035 Lab Analysis: VOC, SVOC, PAH

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

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: 5400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: MD'Angelo JMayer

DATE: 4/12/21 WEATHER: clear 65° / partly cloudy

MONITORING WELL ID: P-93A SAMPLE ID: P93A-ROX-041221

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	Volume of Flow Through Cell : 320* mL	
Total Well Depth (btoc): 53.07 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 40.34 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		Wellbore PID/FID Reading: 1.5 ppm	
Depth to Top of Screen (btoc): 43.07 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): 12.73 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	1237 44	40.40	clear	none	22.2	0.92	1.219 mS/cm uS/cm	6.74	-54.0	1.75
300	1242 45	40.40	↓	↓	21.4	0.83	1.216 mS/cm uS/cm	6.74	-54.7	1.41
600	1246	40.40			21.4	0.80	1.214 mS/cm uS/cm	6.74	-55.8	1.19
900	1247	↓			21.4	0.76	1.212 mS/cm uS/cm	6.74	-56.5	1.30
1200	1248				21.3	0.73	1.210 mS/cm uS/cm	6.74	-57.5	1.26
							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 4/12/21

Start Time: 1237 44 MD 4/12 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 45716/14004

Stop Time: 1248 Average Purge Rate (mL/min): 300 Date Calibrated: 4/12/21

SAMPLING DATA

Sample Date: 4/12/21 Sample Time: 1250 Lab Analysis: VOC, SVOC, PAH

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

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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: M.D'Angelo JMayer

DATE: 4/14/21 WEATHER: partly cloudy 55°

MONITORING WELL ID: P-93B SAMPLE ID: P93B-ROX-041421

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): 76.78 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL	
Depth to Water (btoc): 41.66 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): 74.78 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: 2 ft			
Water Column Height (not including NAPL): 35.12 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		

PURGE DATA

Pump Type: ~~Dedicated Well Wizard~~ Monsoon SS Submersible

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	Temp (°C)	DO (mg/L)	Spec. Cond.	pH	ORP (mV)	Turb (NTU)
0	1036	41.66	clear	moderate HC	18.2	0.82	1.295 ~~mS/cm~~ uS/cm	6.75	-96.3	15.30
300	1037	41.66	↓	↓	18.2	0.77	1.301 ~~mS/cm~~ uS/cm	6.75	-99.3	15.22
600	1038	41.67			18.1	0.73	1.304 ~~mS/cm~~ uS/cm	6.75	-101.6	15.41
900	1039	41.67			18.2	0.70	1.305 ~~mS/cm~~ uS/cm	6.75	-103.7	15.77
1200	1040	41.67			18.2	0.67	1.307 ~~mS/cm~~ uS/cm	6.75	-105.7	16.18
							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			

M.D'Angelo 4/14/21

Start Time: 1036	Elapsed Time (min): 4	Water Quality Meter ID & SN: YSI ProDSS - 45716/44004	
Stop Time: 1040	Average Purge Rate (mL/min): 300	Date Calibrated: 4/14/21	

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)	

SAMPLING DATA

Sample Date: 4/14/21	Sample Time: 1045	Lab Analysis: VOC, SVOC, PAH	
Sample Method: ~~Bladder Pump~~ / Low Flow Monsoon SS Submersible	Sample Flow Rate (mL/min): 300	QA/QCSamples: NA	
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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A.Oliver; T.Jones

DATE: 4/9/21 WEATHER: Sunny 70's

MONITORING WELL ID: P-93C SAMPLE ID: MW93C-ROX-040921 ; MW93C-WRR-040921

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): 97.88 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 41.37 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): 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: 0.0 ppm
Screen Length: 2 ft		
Water Column Height (not including NAPL): 56.51 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): 93.88 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	1224	41.40	Clear	Slight	19.4	1.11	1.101 mS/cm uS/cm	7.32	-118.7	21.99
300	1225	41.40	↓	↓	19.4	0.88	1.102 mS/cm uS/cm	7.21	-119.3	19.54
600	1226	↓			19.4	0.79	1.101 mS/cm uS/cm	7.15	-119.5	16.55
900	1227				19.5	0.72	1.100 mS/cm uS/cm	7.10	-119.8	14.40
1200	1228				19.5	0.67	1.100 mS/cm uS/cm	7.06	-120.5	11.72
1500	1229				19.5	0.63	1.100 mS/cm uS/cm	7.05	-120.8	10.39
							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			
							mS/cm uS/cm			

Start Time: 1224 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS - 45715/45718

Stop Time: 1229 Average Purge Rate (mL/min): 300 Date Calibrated: 4/9/21

SAMPLING DATA

Sample Date: 4/9/21 Sample Time: 1230 / 1150 (EB) Lab Analysis: VOC, SVOC, PAH

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

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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: MD'Angelo JMayer

DATE: 4/14/21 WEATHER: partly cloudy 57°

MONITORING WELL ID: P-93D SAMPLE ID: P93D-ROX-041421

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): 41.81 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): 86.18 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

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	1203	41.81	clear	slight HC	18.3	1.83	1.200 mS/cm uS/cm	7.17	-90.6	124.00
300	1204				18.3	1.67	1.202 mS/cm uS/cm	7.14	-91.6	151.12
600	1205				18.3	1.56	1.201 mS/cm uS/cm	7.12	-92.0	155.30
900	1206				18.3	1.42	1.203 mS/cm uS/cm	7.11	-93.1	165.93
1200	1207				18.3	1.15	1.210 mS/cm uS/cm	7.07	-94.5	4.30
1500	1208				18.2	1.02	1.209 mS/cm uS/cm	7.08	-95.7	5.24
1800	1209				18.2	0.95	1.210 mS/cm uS/cm	7.08	-96.8	4.67
2100	1210				18.2	0.89	1.209 mS/cm uS/cm	7.08	-97.8	5.68
2400	1211				18.2	0.87	1.209 mS/cm uS/cm	7.08	-98.6	7.71
							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 4/14/21

Start Time: 1203 Elapsed Time (min): 8 Water Quality Meter ID & SN: YSI ProDSS - 45716/44004

Stop Time: 1211 Average Purge Rate (mL/min): 300 Date Calibrated: 4/14/21

SAMPLING DATA

Sample Date: 4/14/21 Sample Time: 1215 Lab Analysis: VOC, SVOC, PAH

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

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: 2400 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver ; T. Jones

DATE: 4/12/21 WEATHER: Clear 60°

MONITORING WELL ID: P-114R SAMPLE ID: ~~P114R-AO-041221~~ P114R-ROX-041221

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): 23.54 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 28.42 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: 24.2 ppm	
Screen Length: 10 ft			
Water Column Height (not including NAPL): 9.77 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		

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	0912	23.63	clear	Slight	20.9	0.77	0.752 mS/cm uS/cm	6.72	-18.3	46.22
300	0913	23.64			20.9	0.68	0.749 mS/cm uS/cm	6.83	-42.6	36.77
600	0914	23.64			21.2	0.62	0.746 mS/cm uS/cm	6.93	-62.3	31.34
900	0915				21.3	0.59	0.741 mS/cm uS/cm	7.01	-75.3	28.75
1,200	0916				21.2	0.56	0.736 mS/cm uS/cm	7.09	-88.9	23.03
1,500	0917				21.4	0.53	0.726 mS/cm uS/cm	7.17	-100.2	19.58
1,800	0918				21.4	0.49	0.731 mS/cm uS/cm	7.26	-116.8	17.34
2,100	0919				21.4	0.48	0.716 mS/cm uS/cm	7.3	-122.5	28.96
2,400	0920				21.4	0.46	0.714 mS/cm uS/cm	7.34	-127.7	23.89
2,700	0921				21.4	0.45	0.712 mS/cm uS/cm	7.37	-133.4	18.9
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

AO

Start Time: 0912 Elapsed Time (min): 9 Water Quality Meter ID & SN: YSI ProDSS - 15715/15719

Stop Time: 0921 Average Purge Rate (mL/min): 300 Date Calibrated: 4/12/21

SAMPLING DATA

Sample Date: 4/12/21 Sample Time: 0925 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: 2,700 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver; T. Jones

DATE: 4/13/21 WEATHER: Overcast 55°

MONITORING WELL ID: ROST-3-MW SAMPLE ID: Rost3MW-Rox-041321

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	Volume of Flow Through Cell: 320* mL
Total Well Depth (btoc): 48.06 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 37.08 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): 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	Wellbore PID/FID Reading: 4.1 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 10.98 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	

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	37.12	Clear	Slight	16.2	1.29	1.559 mS/cm uS/cm	6.99	-71.5	14.89
300	1051	↓	↓	↓	16.5	0.99	1.566 mS/cm uS/cm	6.93	-79.1	12.72
600	1052				16.5	0.88	1.569 mS/cm uS/cm	6.91	-83.5	12.66
900	1053				16.6	0.80	1.570 mS/cm uS/cm	6.89	-87.3	11.30
1,200	1054				16.7	0.75	1.571 mS/cm uS/cm	6.87	-90.5	10.97
1,500	1055				16.7	0.70	1.569 mS/cm uS/cm	6.86	-94.0	10.26
							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: 1050 Elapsed Time (min): 5 Water Quality Meter ID & SN: YSI ProDSS - 45715/45718

Stop Time: 1055 Average Purge Rate (mL/min): 300 Date Calibrated: 4/13/21

SAMPLING DATA

Sample Date: 4/13/21 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: 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 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver; T. Jones

DATE: 4/15/21 WEATHER: Sunny 55°

MONITORING WELL ID: ROST-4-PZ(C) SAMPLE ID: Rost4PZC-Rox-041521 / -(EB)

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): 45.20 ft		Minimum Purge Volume = (3 x Flow Cell Volume): 960 mL
Depth to Water (btoc): 37.32 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 38.89 ft btoc	Ambient PID/FID Reading: 0.0 ppm
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	Wellbore PID/FID Reading: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): ~~45.20 - 37.32~~ 7.88 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	

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	1130	37.39	Cloudy	Moderate	17.3	1.27	1.300 mS/cm uS/cm	7.36	-104.2	66.43
300	1131				17.6	1.04	1.340 mS/cm uS/cm	7.22	-110.9	64.08
600	1132				17.7	0.89	1.373 mS/cm uS/cm	7.12	-117.5	58.74
900	1133				17.7	0.78	1.418 mS/cm uS/cm	7.07	-123.4	51.70
1,200	1134				17.9	0.69	1.455 mS/cm uS/cm	6.97	-133.7	45.23
1,500	1135				17.9	0.65	1.485 mS/cm uS/cm	6.93	-140.0	36.19
1,800	1136				17.8	0.61	1.507 mS/cm uS/cm	6.90	-144.9	31.36
2,100	1137				17.7	0.59	1535 mS/cm uS/cm	6.87	-148.0	27.18
							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			
							mS/cm uS/cm			

Start Time: 1130 Elapsed Time (min): 7 Water Quality Meter ID & SN: YSI ProDSS - 45715/45718

Stop Time: 1137 Average Purge Rate (mL/min): 300 Date Calibrated: 4/15/21

SAMPLING DATA

Sample Date: 4/15/21 Sample Time: 1140 /1050 (EB) 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: AO

COMMENTS:

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

Estimated Total Purge Volume: 2,100 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver ; Tony Jones

DATE: 4/16/21 WEATHER: Sunny 55°

MONITORING WELL ID: ROST-4-PZ(E) SAMPLE ID: ~~AW~~ AO ROST4PZE-Rox-041621

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): 36.29 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 40.65 ft btoc	Ambient PID/FID Reading: 0.0 ppm
Depth to LNAPL/DNAPL (btoc): N/E ft		
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: 0.0 ppm
Screen Length: 10 ft		
Water Column Height (not including NAPL): 8.71 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	1009	36.33	Clear	Moderate	18.1	0.87	1.604 mS/cm uS/cm	6.97	-10.7	15.25
300	1010	↓	↓	↓	18.3	0.81	1.602 mS/cm uS/cm	6.95	-115	14.45
600	1011				18.3	0.75	1.601 mS/cm uS/cm	6.94	-116.7	14.07
900	1012				18.4	0.72	1.599 mS/cm uS/cm	6.93	-118.3	13.37
1,200	1013				18.6	0.68	1.597 mS/cm uS/cm	6.92	-120.2	13.01
							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		mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			
							mS/cm uS/cm			

Start Time: 1009 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 45715/45718

Stop Time: 1013 Average Purge Rate (mL/min): 300 Date Calibrated: 4/16/21

SAMPLING DATA

Sample Date: 4/16/21 Sample Time: 1015 Lab Analysis: VOC, SVOC, PAH

Sample Method: Stainless Steel Submersible Pump / Low Flow Sample Flow Rate (mL/min): 300 QA/QCSamples: 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: 1,200 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: A. Oliver; T. Jones

DATE: 4/15/21 WEATHER: Sunny 55°

MONITORING WELL ID: ROST-4-PZ(G) SAMPLE ID: ROST4PZ(G)-ROX-041421-(Dup)

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): 44.53 ft	
Depth to Water (btoc): 36.88 ft	IF SCREEN ≤10 FT & WATER WITHIN SCREEN – PUMP INTAKE AT MIDPOINT OF WATER COLUMN HEIGHT: 40.70 ft btoc
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
Screen Length: 10 ft	
Water Column Height (not including NAPL): 7.65 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: 0.2 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)
0	0903	36.87	Clear	Moderate	17.3	1.16	1.463	mS/cm uS/cm	6.18	-6.6	7.78
300	0904	36.94	↓	↓	17.4	0.92	1.473	mS/cm uS/cm	6.33	-32.6	7.06
600	0905	36.95	↓	↓	17.5	0.85	1.480	mS/cm uS/cm	6.39	-49.5	6.46
900	0906	36.94	↓	↓	17.4	0.78	1.486	mS/cm uS/cm	6.43	-61.0	5.89
1,200	0907	↓	↓	↓	17.5	0.74	1.490	mS/cm uS/cm	6.46	-69.1	5.79
1,500	0908	↓	↓	↓	17.7	0.69	1.496	mS/cm uS/cm	6.49	-76.2	5.53
1,800	0909	↓	↓	↓	17.7	0.66	1.501	mS/cm uS/cm	6.51	-81.0	5.20
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			
								mS/cm uS/cm			

AO

Start Time: 0903 Elapsed Time (min): 6 Water Quality Meter ID & SN: YSI ProDSS - 45715/45718

Stop Time: 0909 Average Purge Rate (mL/min): 300 Date Calibrated: 4/15/21

SAMPLING DATA

Sample Date: 4/15/21 Sample Time: 0915 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 [X] Initials: AO

COMMENTS:

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

Estimated Total Purge Volume: 1,800 mL

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: Roxana 2Q21 GW PROJECT NUMBER: 60648474 - 3.2.2 O/F/AFS FIELD PERSONNEL: MD'Angelo JMayer

DATE: 4/13/21 WEATHER: Mostly cloudy 55°

MONITORING WELL ID: T-12 SAMPLE ID: T12-ROX-041321

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): 40.08 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: 0.4 ppm	
Screen Length: 26 ft			
Water Column Height (not including NAPL): 32.75 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	1157	40.12	Clear	Moderate HC	20.1	0.80	1.722 mS/cm uS/cm	6.95	-153.0	5.96
300	1158	40.13	↓	↓	20.2	0.74	1.724 mS/cm uS/cm	6.96	-155.0	5.13
600	1159	40.12			20.1	0.70	1.724 mS/cm uS/cm	6.96	-156.3	5.27
900	1200	40.12			20.1	0.68	1.722 mS/cm uS/cm	6.97	-157.6	5.47
1200	1201	40.12			20.1	0.66	1.722 mS/cm uS/cm	6.97	-158.7	5.69
							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			
							mS/cm uS/cm			
							mS/cm uS/cm			

MD'Angelo 4/13/21

Start Time: 1157 Elapsed Time (min): 4 Water Quality Meter ID & SN: YSI ProDSS - 45716/44004

Stop Time: 1201 Average Purge Rate (mL/min): 300 Date Calibrated: 4/13/21

SAMPLING DATA

Sample Date: 4/13/21 Sample Time: 1205 Lab Analysis: VOC, SVOC, PAH

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

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

COMMENTS:

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

Estimated Total Purge Volume: 1200 mL

Appendix C

Data Review Forms and Laboratory Analytical Reports

Roxana Groundwater Quarterly – 2nd Quarter 2021 Data Review

Laboratory SDG: 400-201833-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 6/7/2021

Guidance: USEPA National Functional Guidelines for Organic Superfund Methods Data Review 2020

Sample Identification	Sample Identification
TB-ROX-040821-8011	TB-ROX-040821-8260
MW9-ROX-040821-EB	MW9-ROX-040821
MW10-ROX-040821	MW27-ROX-040821
MW16-ROX-040821	

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 SVOCs were re-extracted outside extraction time criteria in sample MW16-ROX-040821. Although not indicated in the laboratory case narrative, diethyl phthalate was detected in the equipment blank. Several VOC and SVOC LCS recoveries or SVOC LCS/LCSD RPDs for several analytes were outside evaluation criteria. Several SVOC surrogates were outside criteria in samples MW27-ROX-040821 and MW16-ROX-040821. Several VOC, SVOC, and/or VOC by 8011 MS/MSD recoveries and/or MS/MSD RPDs were outside evaluation criteria in sample MW16-ROX-040821. The continuing calibration verification for bis(2-chloroethyl) ether in sample MW16-ROX-040821 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, SVOCs were re-extracted 6 days outside analysis extraction time criteria (7 days) in sample MW16-ROX-040821 due to initial failing surrogate recoveries. 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
MW16-ROX-040821 – RERA	SVOCs	All non-detects	**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
MW9-ROX-040821-EB	SVOCs	Diethyl phthalate	0.72 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 400-528587/1002	VOCs	Acrylonitrile	**155**	NA	64-142
LCS 400-528587/1002	VOCs	cis-1,2-Dichloroethene	**137**	NA	68-130
LCS 400-528587/1002	VOCs	1,1-Dichloroethane	**143**	NA	70-130
LCS 400-528587/1002	VOCs	1,2-Dichloropropane	**133**	NA	70-130
LCS 400-528587/1002	VOCs	Vinyl chloride	**151**	NA	59-136
LCS 400-527531/2-A	SVOCs	Di-n-octyl phthalate	**56**	NA	57-138
LCS/LCSD 400-528560/4-A/5-A	SVOCs	Benzenethiol	24/12	**71**	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. Analytical data associated with RPD alone outside evaluation criteria did not require qualification. SVOCs in sample MW16-ROX-040821 were qualified in Section 3.0 of this data review due to holding time criteria; no additional qualification was required.

Sample ID	Parameter	Analyte	Qualification
MW9-ROX-040821	SVOCs	Di-n-octyl phthalate	**UJ**
MW10-ROX-040821	SVOCs	Di-n-octyl phthalate	**UJ**
MW27-ROX-040821	SVOCs	Di-n-octyl phthalate	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW27-ROX-040821	SVOCs	2-Fluorophenol	**9**	13-113
MW16-ROX-040821	SVOCs	2-Fluorobiphenyl	**39**	46-124
MW16-ROX-040821	SVOCs	2-Fluorophenol	**0**	13-113
MW16-ROX-040821	SVOCs	Nitrobenzene-d_5	**35**	36-126
MW16-ROX-040821	SVOCs	Phenol-d_5	**0**	17-127
MW16-ROX-040821	SVOCs	2,4,6-Tribromophenol	**0**	26-150

Qualifications due to surrogate recoveries were not required if only one of three acid SVOC surrogate recoveries were outside evaluation criteria in sample MW27-ROX-040821. SVOCs in sample MW16-ROX-040821 were reported from Run #2; SVOCs in sample MW16-ROX-040821 were qualified in Section 3.0 of this data review due to holding time criteria; no additional qualification was required.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

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

Yes, sample MW16-ROX-040821 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
MW16-ROX-040821	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-150/50
MW16-ROX-040821	SVOCs	2-Chlorophenol	33/50	**43**	25-120/42
MW16-ROX-040821	SVOCs	1,4-Dioxane	**29/35**	19	50-150/40
MW16-ROX-040821	SVOCs	1,2-Diphenylhydrazine (as Azobenzene)	**48**/53	10	50-150/40
MW16-ROX-040821	SVOCs	2-Nitroaniline	**41/42**	3	45-120/33
MW16-ROX-040821	VOCs by 8011	1,2-Dibromo-3-chloropropane	125/120	**45**	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 associated with RPD alone outside evaluation criteria did not require qualification. SVOCs in sample MW16-ROX-040821 were reported from Run #2; SVOCs in sample MW16-ROX-040821 were qualified in Section 3.0 of this data review due to holding time criteria; no additional qualification was required.

Sample ID	Parameter	Analyte	Qualification
MW16-ROX-040821	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 verification for bis(2-chloroethyl) ether in sample MW16-ROX-040821 was outside acceptance criteria, biased low; bis(2-chloroethyl) ether was qualified in Section 3.0 of this data review due to holding time criteria. No additional qualification was required.

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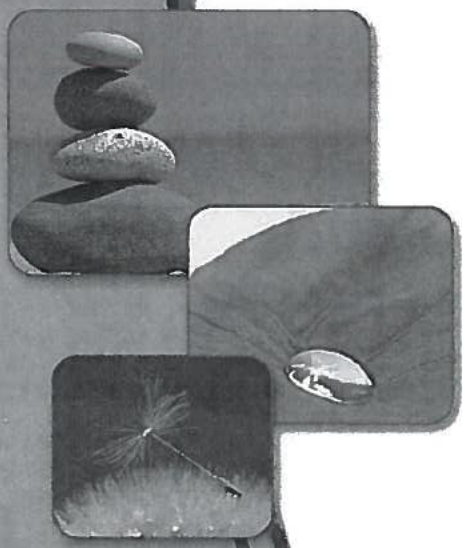

ANALYTICAL REPORT

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

Laboratory Job ID: 400-201833-1
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:
4/28/2021 1:17:54 PM

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

LINKS

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Reviewed 6/7/21 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: 400-201833-1

Job ID: 400-201833-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-201833-1

Comments
No additional comments.

Receipt
The samples were received on 4/9/2021 10:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.8° C and 2.8° C.

GC/MS VOA
Method 8260B: The continuing calibration verification (CCV) associated with batch 400-528587 recovered above the upper control limit for 1,2-Dichloropropane, Acrylonitrile and Vinyl chloride. 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 400-528587 recovered outside control limits for the following analytes: 1,1-Dichloroethane, 1,2-Dichloropropane, Acrylonitrile, cis-1,2-Dichloroethene and Vinyl chloride. 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 initial calibration verification (ICV) analyzed in batch 400-504636 was outside method criteria for the following analyte(s): Dichlorodifluoromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-528587 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 400-528587 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 one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-040821-8260 (400-201833-2), MW9-ROX-040821-EB (400-201833-3), MW9-ROX-040821 (400-201833-4), MW10-ROX-040821 (400-201833-5), MW27-ROX-040821 (400-201833-6) and MW16-ROX-040821 (400-201833-7). 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: 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: MW27-ROX-040821 (400-201833-6). These results have been reported and qualified.

Method 8270D: The following analyte(s) recovered outside control limits for the LCS associated with preparation batch 400-527531 and analytical batch 400-527835: Di-n-octyl phthalate. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-528560 and analytical batch 400-528896 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-528560 and analytical batch 400-528896 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 initial calibration verification (ICV) analyzed in batch 400-522411 was outside method criteria for the following

Job ID: 400-201833-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

analyte(s): Indene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-529302 recovered above the upper control limit for 4,6-Dinitro-2-methylphenol. 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 400-529302 recovered outside acceptance criteria, low biased, for Bis(2-chloroethyl)ether. 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: Surrogate recovery for the following sample was outside control limits: MW16-ROX-040821 (400-201833-7). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data have been reported.

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-527531 and analytical batch 400-527703 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 matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 400-527531 and analytical batch 400-527703 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.

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 400-527271 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane and Ethylene Dibromide. 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) precision for preparation batch 400-527190 and analytical batch 400-527271 was outside control limits. Sample matrix interference is suspected.

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: 400-201833-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-201833-1	TB-ROX-040821-8011	Water	04/08/21 00:00	04/09/21 10:10	
400-201833-2	TB-ROX-040821-8260	Water	04/08/21 00:00	04/09/21 10:10	
400-201833-3	MW9-ROX-040821-EB	Water	04/08/21 08:23	04/09/21 10:10	
400-201833-4	MW9-ROX-040821	Water	04/08/21 10:20	04/09/21 10:10	
400-201833-5	MW10-ROX-040821	Water	04/08/21 11:35	04/09/21 10:10	
400-201833-6	MW27-ROX-040821	Water	04/08/21 13:00	04/09/21 10:10	
400-201833-7	MW16-ROX-040821	Water	04/08/21 14:25	04/09/21 10:10	

Detection Summary

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

Job ID: 400-201833-1

Client Sample ID: TB-ROX-040821-8011 — Lab Sample ID: 400-201833-1

No Detections.

Client Sample ID: TB-ROX-040821-8260 — Lab Sample ID: 400-201833-2

No Detections.

Client Sample ID: MW9-ROX-040821-EB — Lab Sample ID: 400-201833-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	0.72	J	9.6	0.23	ug/L	1		8270D	Total/NA

Client Sample ID: MW9-ROX-040821 — Lab Sample ID: 400-201833-4

No Detections.

Client Sample ID: MW10-ROX-040821 — Lab Sample ID: 400-201833-5

No Detections.

Client Sample ID: MW27-ROX-040821 — Lab Sample ID: 400-201833-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	0.23	J	9.5	0.23	ug/L	1		8270D	Total/NA

Client Sample ID: MW16-ROX-040821 — Lab Sample ID: 400-201833-7

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 400-201833-1

Client Sample ID: TB-ROX-040821-8011
Date Collected: 04/08/21 00:00
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-1
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		04/12/21 09:43	04/12/21 18:09	1
1,2-Dibromoethane	ND		0.021	0.0051	ug/L		04/12/21 09:43	04/12/21 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*	*p*	*51 - 149*	*04/12/21 09:43*	*04/12/21 18:09*	*1*

Client Sample ID: TB-ROX-040821-8260
Date Collected: 04/08/21 00:00
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-2
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			04/21/21 20:11	1
Acrolein	ND		20	10	ug/L			04/21/21 20:11	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/21/21 20:11	1
Benzene	ND		1.0	0.38	ug/L			04/21/21 20:11	1
Bromobenzene	ND		1.0	0.54	ug/L			04/21/21 20:11	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/21/21 20:11	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/21/21 20:11	1
Bromoform	ND		5.0	0.71	ug/L			04/21/21 20:11	1
Bromomethane	ND		1.0	0.98	ug/L			04/21/21 20:11	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/21/21 20:11	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/21/21 20:11	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/21/21 20:11	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/21/21 20:11	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/21/21 20:11	1
Chloroethane	ND		1.0	0.76	ug/L			04/21/21 20:11	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/21/21 20:11	1
Chloroform	ND		1.0	0.60	ug/L			04/21/21 20:11	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/21/21 20:11	1
Chloromethane	ND		1.0	0.83	ug/L			04/21/21 20:11	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.50	ug/L			04/21/21 20:11	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/21 20:11	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/21/21 20:11	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/21/21 20:11	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/21/21 20:11	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/21/21 20:11	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/21/21 20:11	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/21/21 20:11	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/21/21 20:11	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			04/21/21 20:11	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/21/21 20:11	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/21 20:11	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/21/21 20:11	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/21/21 20:11	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/21/21 20:11	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/21/21 20:11	1
2-Hexanone	ND		25	3.1	ug/L			04/21/21 20:11	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/21/21 20:11	1
Methylene bromide	ND		5.0	0.59	ug/L			04/21/21 20:11	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/21/21 20:11	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/21/21 20:11	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/21/21 20:11	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/21/21 20:11	1
Naphthalene	ND		1.0	1.0	ug/L			04/21/21 20:11	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/21/21 20:11	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/21/21 20:11	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/21/21 20:11	1
o-Xylene	ND		5.0	0.60	ug/L			04/21/21 20:11	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/21/21 20:11	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/21/21 20:11	1

Client Sample ID: TB-ROX-040821-8260
Date Collected: 04/08/21 00:00
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-2
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			04/21/21 20:11	1
Styrene	ND		1.0	1.0	ug/L			04/21/21 20:11	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/21/21 20:11	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/21/21 20:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/21/21 20:11	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/21/21 20:11	1
Toluene	ND		1.0	0.41	ug/L			04/21/21 20:11	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/21/21 20:11	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/21 20:11	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/21/21 20:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/21/21 20:11	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/21/21 20:11	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/21/21 20:11	1
Trichloroethene	ND		1.0	0.50	ug/L			04/21/21 20:11	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/21/21 20:11	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/21/21 20:11	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/21/21 20:11	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/21/21 20:11	1
Vinyl acetate	ND		25	2.0	ug/L			04/21/21 20:11	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/21/21 20:11	1
Xylenes, Total	ND		10	1.6	ug/L			04/21/21 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/21/21 20:11*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*04/21/21 20:11*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*04/21/21 20:11*	*1*

Client Sample ID: MW9-ROX-040821-EB

Date Collected: 04/08/21 08:23
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-3

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			04/21/21 20:36	1
Acrolein	ND		20	10	ug/L			04/21/21 20:36	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/21/21 20:36	1
Benzene	ND		1.0	0.38	ug/L			04/21/21 20:36	1
Bromobenzene	ND		1.0	0.54	ug/L			04/21/21 20:36	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/21/21 20:36	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/21/21 20:36	1
Bromoform	ND		5.0	0.71	ug/L			04/21/21 20:36	1
Bromomethane	ND		1.0	0.98	ug/L			04/21/21 20:36	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/21/21 20:36	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/21/21 20:36	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/21/21 20:36	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/21/21 20:36	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/21/21 20:36	1
Chloroethane	ND		1.0	0.76	ug/L			04/21/21 20:36	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/21/21 20:36	1
Chloroform	ND		1.0	0.60	ug/L			04/21/21 20:36	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/21/21 20:36	1
Chloromethane	ND		1.0	0.83	ug/L			04/21/21 20:36	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.50	ug/L			04/21/21 20:36	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/21 20:36	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/21/21 20:36	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/21/21 20:36	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/21/21 20:36	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/21/21 20:36	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/21/21 20:36	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/21/21 20:36	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/21/21 20:36	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			04/21/21 20:36	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/21/21 20:36	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/21 20:36	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/21/21 20:36	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/21/21 20:36	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/21/21 20:36	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/21/21 20:36	1
2-Hexanone	ND		25	3.1	ug/L			04/21/21 20:36	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/21/21 20:36	1
Methylene bromide	ND		5.0	0.59	ug/L			04/21/21 20:36	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/21/21 20:36	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/21/21 20:36	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/21/21 20:36	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/21/21 20:36	1
Naphthalene	ND		1.0	1.0	ug/L			04/21/21 20:36	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/21/21 20:36	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/21/21 20:36	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/21/21 20:36	1
o-Xylene	ND		5.0	0.60	ug/L			04/21/21 20:36	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/21/21 20:36	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/21/21 20:36	1

Client Sample ID: MW9-ROX-040821-EB

Date Collected: 04/08/21 08:23
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-3

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			04/21/21 20:36	1
Styrene	ND		1.0	1.0	ug/L			04/21/21 20:36	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/21/21 20:36	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/21/21 20:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/21/21 20:36	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/21/21 20:36	1
Toluene	ND		1.0	0.41	ug/L			04/21/21 20:36	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/21/21 20:36	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/21 20:36	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/21/21 20:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/21/21 20:36	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/21/21 20:36	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/21/21 20:36	1
Trichloroethene	ND		1.0	0.50	ug/L			04/21/21 20:36	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/21/21 20:36	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/21/21 20:36	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/21/21 20:36	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/21/21 20:36	1
Vinyl acetate	ND		25	2.0	ug/L			04/21/21 20:36	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/21/21 20:36	1
Xylenes, Total	ND		10	1.6	ug/L			04/21/21 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*04/21/21 20:36*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*04/21/21 20:36*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/21/21 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	0.031	ug/L		04/14/21 10:52	04/16/21 19:57	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/14/21 10:52	04/16/21 19:57	1
Anthracene	ND		0.19	0.031	ug/L		04/14/21 10:52	04/16/21 19:57	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		04/14/21 10:52	04/16/21 19:57	1
Benzo[a]pyrene	ND		0.19	0.041	ug/L		04/14/21 10:52	04/16/21 19:57	1
Benzo[b]fluoranthene	ND		0.19	0.033	ug/L		04/14/21 10:52	04/16/21 19:57	1
Benzo[g,h,i]perylene	ND		0.19	0.13	ug/L		04/14/21 10:52	04/16/21 19:57	1
Benzo[k]fluoranthene	ND		0.19	0.096	ug/L		04/14/21 10:52	04/16/21 19:57	1
Chrysene	ND		0.19	0.071	ug/L		04/14/21 10:52	04/16/21 19:57	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		04/14/21 10:52	04/16/21 19:57	1
Fluoranthene	ND		0.19	0.066	ug/L		04/14/21 10:52	04/16/21 19:57	1
Fluorene	ND		0.19	0.11	ug/L		04/14/21 10:52	04/16/21 19:57	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/14/21 10:52	04/16/21 19:57	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/14/21 10:52	04/16/21 19:57	1
2-Methylnaphthalene	ND		0.19	0.058	ug/L		04/14/21 10:52	04/16/21 19:57	1
Phenanthrene	ND		0.19	0.035	ug/L		04/14/21 10:52	04/16/21 19:57	1
Pyrene	ND		0.19	0.039	ug/L		04/14/21 10:52	04/16/21 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*102*		*15 - 122*	*04/14/21 10:52*	*04/16/21 19:57*	*1*
Nitrobenzene-d5	*93*		*19 - 130*	*04/14/21 10:52*	*04/16/21 19:57*	*1*

Client Sample ID: MW9-ROX-040821-EB
Date Collected: 04/08/21 08:23
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	*113*		*33 - 138*	*04/14/21 10:52*	*04/16/21 19:57*	*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		04/14/21 10:52	04/16/21 11:27	1
Benzenethiol	ND		9.6	1.6	ug/L		04/14/21 10:52	04/16/21 11:27	1
Benzoic acid	ND		29	7.0	ug/L		04/14/21 10:52	04/16/21 11:27	1
Benzyl alcohol	ND		9.6	1.9	ug/L		04/14/21 10:52	04/16/21 11:27	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		04/14/21 10:52	04/16/21 11:27	1
Bis(2-chloroethyl)ether	ND		9.6	2.6	ug/L		04/14/21 10:52	04/16/21 11:27	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		04/14/21 10:52	04/16/21 11:27	1
Bis(2-ethylhexyl) phthalate	ND		9.6	4.8	ug/L		04/14/21 10:52	04/16/21 11:27	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		04/14/21 10:52	04/16/21 11:27	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		04/14/21 10:52	04/16/21 11:27	1
4-Chloroaniline	ND		9.6	3.3	ug/L		04/14/21 10:52	04/16/21 11:27	1
4-Chloro-3-methylphenol	ND		9.6	3.7	ug/L		04/14/21 10:52	04/16/21 11:27	1
2-Chloronaphthalene	ND		9.6	0.14	ug/L		04/14/21 10:52	04/16/21 11:27	1
2-Chlorophenol	ND		9.6	2.1	ug/L		04/14/21 10:52	04/16/21 11:27	1
4-Chlorophenyl phenyl ether	ND		9.6	1.9	ug/L		04/14/21 10:52	04/16/21 11:27	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		04/14/21 10:52	04/16/21 11:27	1
Dibenzofuran	ND		9.6	0.16	ug/L		04/14/21 10:52	04/16/21 11:27	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		04/14/21 10:52	04/16/21 11:27	1
2,4-Dichlorophenol	ND		9.6	2.9	ug/L		04/14/21 10:52	04/16/21 11:27	1
Diethyl phthalate	0.72	J	9.6	0.23	ug/L		04/14/21 10:52	04/16/21 11:27	1
2,4-Dimethylphenol	ND		9.6	3.4	ug/L		04/14/21 10:52	04/16/21 11:27	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		04/14/21 10:52	04/16/21 11:27	1
Di-n-butyl phthalate	ND		9.6	2.6	ug/L		04/14/21 10:52	04/16/21 11:27	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		04/14/21 10:52	04/16/21 11:27	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/14/21 10:52	04/16/21 11:27	1
2,4-Dinitrotoluene	ND		9.6	1.8	ug/L		04/14/21 10:52	04/16/21 11:27	1
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		04/14/21 10:52	04/16/21 11:27	1
Di-n-octyl phthalate	ND		9.6	0.16	ug/L		04/14/21 10:52	04/16/21 11:27	1
1,4-Dioxane	ND		9.6	0.96	ug/L		04/14/21 10:52	04/16/21 11:27	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.96	ug/L		04/14/21 10:52	04/16/21 11:27	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		04/14/21 10:52	04/16/21 11:27	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/14/21 10:52	04/16/21 11:27	1
Hexachloroethane	ND		9.6	4.1	ug/L		04/14/21 10:52	04/16/21 11:27	1
Indene	ND		9.6	0.96	ug/L		04/14/21 10:52	04/16/21 11:27	1
Isophorone	ND		9.6	0.14	ug/L		04/14/21 10:52	04/16/21 11:27	1
2-Methylphenol	ND		9.6	1.7	ug/L		04/14/21 10:52	04/16/21 11:27	1
3 & 4 Methylphenol	ND		19	0.38	ug/L		04/14/21 10:52	04/16/21 11:27	1
2-Nitroaniline	ND		9.6	2.1	ug/L		04/14/21 10:52	04/16/21 11:27	1
3-Nitroaniline	ND		9.6	1.7	ug/L		04/14/21 10:52	04/16/21 11:27	1
4-Nitroaniline	ND		9.6	1.4	ug/L		04/14/21 10:52	04/16/21 11:27	1
Nitrobenzene	ND		9.6	0.13	ug/L		04/14/21 10:52	04/16/21 11:27	1
2-Nitrophenol	ND		9.6	5.0	ug/L		04/14/21 10:52	04/16/21 11:27	1
4-Nitrophenol	ND		9.6	2.0	ug/L		04/14/21 10:52	04/16/21 11:27	1
N-Nitrosodimethylamine	ND		9.6	3.4	ug/L		04/14/21 10:52	04/16/21 11:27	1

Client Sample ID: MW9-ROX-040821-EB

Date Collected: 04/08/21 08:23
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-3

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		9.6	3.2	ug/L		04/14/21 10:52	04/16/21 11:27	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		04/14/21 10:52	04/16/21 11:27	1
Pentachlorophenol	ND		19	1.4	ug/L		04/14/21 10:52	04/16/21 11:27	1
Phenol	ND		9.6	2.5	ug/L		04/14/21 10:52	04/16/21 11:27	1
Pyridine	ND		9.6	3.1	ug/L		04/14/21 10:52	04/16/21 11:27	1
Quinoline	ND		9.6	4.3	ug/L		04/14/21 10:52	04/16/21 11:27	1
2,4,5-Trichlorophenol	ND		9.6	3.6	ug/L		04/14/21 10:52	04/16/21 11:27	1
2,4,6-Trichlorophenol	ND		9.6	3.4	ug/L		04/14/21 10:52	04/16/21 11:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*46 - 124*	*04/14/21 10:52*	*04/16/21 11:27*	*1*
2-Fluorophenol	*21*		*13 - 113*	*04/14/21 10:52*	*04/16/21 11:27*	*1*
Nitrobenzene-d5	*79*		*36 - 126*	*04/14/21 10:52*	*04/16/21 11:27*	*1*
Phenol-d5	*63*		*17 - 127*	*04/14/21 10:52*	*04/16/21 11:27*	*1*
Terphenyl-d14	*95*		*44 - 149*	*04/14/21 10:52*	*04/16/21 11:27*	*1*
2,4,6-Tribromophenol	*64*		*26 - 150*	*04/14/21 10:52*	*04/16/21 11:27*	*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		04/12/21 09:43	04/12/21 18:29	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/12/21 09:43	04/12/21 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*	*p*	*51 - 149*	*04/12/21 09:43*	*04/12/21 18:29*	*1*

Client Sample ID: MW9-ROX-040821
Date Collected: 04/08/21 10:20
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-4
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			04/21/21 21:01	1
Acrolein	ND		20	10	ug/L			04/21/21 21:01	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/21/21 21:01	1
Benzene	ND		1.0	0.38	ug/L			04/21/21 21:01	1
Bromobenzene	ND		1.0	0.54	ug/L			04/21/21 21:01	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/21/21 21:01	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/21/21 21:01	1
Bromoform	ND		5.0	0.71	ug/L			04/21/21 21:01	1
Bromomethane	ND		1.0	0.98	ug/L			04/21/21 21:01	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/21/21 21:01	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/21/21 21:01	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/21/21 21:01	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/21/21 21:01	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/21/21 21:01	1
Chloroethane	ND		1.0	0.76	ug/L			04/21/21 21:01	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/21/21 21:01	1
Chloroform	ND		1.0	0.60	ug/L			04/21/21 21:01	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/21/21 21:01	1
Chloromethane	ND		1.0	0.83	ug/L			04/21/21 21:01	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.50	ug/L			04/21/21 21:01	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/21 21:01	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/21/21 21:01	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/21/21 21:01	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/21/21 21:01	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/21/21 21:01	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/21/21 21:01	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/21/21 21:01	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/21/21 21:01	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			04/21/21 21:01	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/21/21 21:01	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/21 21:01	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/21/21 21:01	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/21/21 21:01	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/21/21 21:01	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/21/21 21:01	1
2-Hexanone	ND		25	3.1	ug/L			04/21/21 21:01	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/21/21 21:01	1
Methylene bromide	ND		5.0	0.59	ug/L			04/21/21 21:01	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/21/21 21:01	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/21/21 21:01	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/21/21 21:01	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/21/21 21:01	1
Naphthalene	ND		1.0	1.0	ug/L			04/21/21 21:01	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/21/21 21:01	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/21/21 21:01	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/21/21 21:01	1
o-Xylene	ND		5.0	0.60	ug/L			04/21/21 21:01	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/21/21 21:01	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/21/21 21:01	1

Client Sample ID: MW9-ROX-040821
Date Collected: 04/08/21 10:20
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-4
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			04/21/21 21:01	1
Styrene	ND		1.0	1.0	ug/L			04/21/21 21:01	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/21/21 21:01	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/21/21 21:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/21/21 21:01	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/21/21 21:01	1
Toluene	ND		1.0	0.41	ug/L			04/21/21 21:01	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/21/21 21:01	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/21 21:01	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/21/21 21:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/21/21 21:01	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/21/21 21:01	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/21/21 21:01	1
Trichloroethene	ND		1.0	0.50	ug/L			04/21/21 21:01	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/21/21 21:01	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/21/21 21:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/21/21 21:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/21/21 21:01	1
Vinyl acetate	ND		25	2.0	ug/L			04/21/21 21:01	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/21/21 21:01	1
Xylenes, Total	ND		10	1.6	ug/L			04/21/21 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/21/21 21:01*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*04/21/21 21:01*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/21/21 21:01*	*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		0.19	0.030	ug/L		04/14/21 10:52	04/16/21 20:15	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/14/21 10:52	04/16/21 20:15	1
Anthracene	ND		0.19	0.030	ug/L		04/14/21 10:52	04/16/21 20:15	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		04/14/21 10:52	04/16/21 20:15	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/14/21 10:52	04/16/21 20:15	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		04/14/21 10:52	04/16/21 20:15	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/14/21 10:52	04/16/21 20:15	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		04/14/21 10:52	04/16/21 20:15	1
Chrysene	ND		0.19	0.071	ug/L		04/14/21 10:52	04/16/21 20:15	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		04/14/21 10:52	04/16/21 20:15	1
Fluoranthene	ND		0.19	0.065	ug/L		04/14/21 10:52	04/16/21 20:15	1
Fluorene	ND		0.19	0.10	ug/L		04/14/21 10:52	04/16/21 20:15	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/14/21 10:52	04/16/21 20:15	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/14/21 10:52	04/16/21 20:15	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		04/14/21 10:52	04/16/21 20:15	1
Phenanthrene	ND		0.19	0.034	ug/L		04/14/21 10:52	04/16/21 20:15	1
Pyrene	ND		0.19	0.038	ug/L		04/14/21 10:52	04/16/21 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*15 - 122*	*04/14/21 10:52*	*04/16/21 20:15*	*1*
Nitrobenzene-d5	*87*		*19 - 130*	*04/14/21 10:52*	*04/16/21 20:15*	*1*

Client Sample ID: MW9-ROX-040821
Date Collected: 04/08/21 10:20
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-4
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	108		33 - 138	04/14/21 10:52	04/16/21 20:15	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		04/14/21 10:52	04/16/21 11:48	1
Benzenethiol	ND		9.5	1.6	ug/L		04/14/21 10:52	04/16/21 11:48	1
Benzoic acid	ND		29	7.0	ug/L		04/14/21 10:52	04/16/21 11:48	1
Benzyl alcohol	ND		9.5	1.9	ug/L		04/14/21 10:52	04/16/21 11:48	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		04/14/21 10:52	04/16/21 11:48	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		04/14/21 10:52	04/16/21 11:48	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		04/14/21 10:52	04/16/21 11:48	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.8	ug/L		04/14/21 10:52	04/16/21 11:48	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		04/14/21 10:52	04/16/21 11:48	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		04/14/21 10:52	04/16/21 11:48	1
4-Chloroaniline	ND		9.5	3.2	ug/L		04/14/21 10:52	04/16/21 11:48	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		04/14/21 10:52	04/16/21 11:48	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		04/14/21 10:52	04/16/21 11:48	1
2-Chlorophenol	ND		9.5	2.1	ug/L		04/14/21 10:52	04/16/21 11:48	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		04/14/21 10:52	04/16/21 11:48	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		04/14/21 10:52	04/16/21 11:48	1
Dibenzofuran	ND		9.5	0.16	ug/L		04/14/21 10:52	04/16/21 11:48	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		04/14/21 10:52	04/16/21 11:48	1
2,4-Dichlorophenol	ND		9.5	2.9	ug/L		04/14/21 10:52	04/16/21 11:48	1
Diethyl phthalate	ND		9.5	0.23	ug/L		04/14/21 10:52	04/16/21 11:48	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		04/14/21 10:52	04/16/21 11:48	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		04/14/21 10:52	04/16/21 11:48	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		04/14/21 10:52	04/16/21 11:48	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		04/14/21 10:52	04/16/21 11:48	1
2,4-Dinitrophenol	ND		29	3.2	ug/L		04/14/21 10:52	04/16/21 11:48	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		04/14/21 10:52	04/16/21 11:48	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		04/14/21 10:52	04/16/21 11:48	1
Di-n-octyl phthalate	ND	UJ	9.5	0.16	ug/L		04/14/21 10:52	04/16/21 11:48	1
1,4-Dioxane	ND		9.5	0.95	ug/L		04/14/21 10:52	04/16/21 11:48	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		04/14/21 10:52	04/16/21 11:48	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		04/14/21 10:52	04/16/21 11:48	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/14/21 10:52	04/16/21 11:48	1
Hexachloroethane	ND		9.5	4.0	ug/L		04/14/21 10:52	04/16/21 11:48	1
Indene	ND		9.5	0.95	ug/L		04/14/21 10:52	04/16/21 11:48	1
Isophorone	ND		9.5	0.13	ug/L		04/14/21 10:52	04/16/21 11:48	1
2-Methylphenol	ND		9.5	1.7	ug/L		04/14/21 10:52	04/16/21 11:48	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		04/14/21 10:52	04/16/21 11:48	1
2-Nitroaniline	ND		9.5	2.1	ug/L		04/14/21 10:52	04/16/21 11:48	1
3-Nitroaniline	ND		9.5	1.7	ug/L		04/14/21 10:52	04/16/21 11:48	1
4-Nitroaniline	ND		9.5	1.4	ug/L		04/14/21 10:52	04/16/21 11:48	1
Nitrobenzene	ND		9.5	0.12	ug/L		04/14/21 10:52	04/16/21 11:48	1
2-Nitrophenol	ND		9.5	5.0	ug/L		04/14/21 10:52	04/16/21 11:48	1
4-Nitrophenol	ND		9.5	2.0	ug/L		04/14/21 10:52	04/16/21 11:48	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		04/14/21 10:52	04/16/21 11:48	1

Client Sample ID: MW9-ROX-040821
Date Collected: 04/08/21 10:20
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-4
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		04/14/21 10:52	04/16/21 11:48	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		04/14/21 10:52	04/16/21 11:48	1
Pentachlorophenol	ND		19	1.3	ug/L		04/14/21 10:52	04/16/21 11:48	1
Phenol	ND		9.5	2.5	ug/L		04/14/21 10:52	04/16/21 11:48	1
Pyridine	ND		9.5	3.0	ug/L		04/14/21 10:52	04/16/21 11:48	1
Quinoline	ND		9.5	4.3	ug/L		04/14/21 10:52	04/16/21 11:48	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		04/14/21 10:52	04/16/21 11:48	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		04/14/21 10:52	04/16/21 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*46 - 124*	*04/14/21 10:52*	*04/16/21 11:48*	*1*
2-Fluorophenol	*39*		*13 - 113*	*04/14/21 10:52*	*04/16/21 11:48*	*1*
Nitrobenzene-d5	*77*		*36 - 126*	*04/14/21 10:52*	*04/16/21 11:48*	*1*
Phenol-d5	*69*		*17 - 127*	*04/14/21 10:52*	*04/16/21 11:48*	*1*
Terphenyl-d14	*95*		*44 - 149*	*04/14/21 10:52*	*04/16/21 11:48*	*1*
2,4,6-Tribromophenol	*67*		*26 - 150*	*04/14/21 10:52*	*04/16/21 11:48*	*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		04/12/21 09:43	04/12/21 18:48	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		04/12/21 09:43	04/12/21 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*	*p*	*51 - 149*	*04/12/21 09:43*	*04/12/21 18:48*	*1*

Client Sample ID: MW10-ROX-040821

Date Collected: 04/08/21 11:35
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-5

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			04/21/21 21:25	1
Acrolein	ND		20	10	ug/L			04/21/21 21:25	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/21/21 21:25	1
Benzene	ND		1.0	0.38	ug/L			04/21/21 21:25	1
Bromobenzene	ND		1.0	0.54	ug/L			04/21/21 21:25	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/21/21 21:25	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/21/21 21:25	1
Bromoform	ND		5.0	0.71	ug/L			04/21/21 21:25	1
Bromomethane	ND		1.0	0.98	ug/L			04/21/21 21:25	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/21/21 21:25	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/21/21 21:25	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/21/21 21:25	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/21/21 21:25	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/21/21 21:25	1
Chloroethane	ND		1.0	0.76	ug/L			04/21/21 21:25	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/21/21 21:25	1
Chloroform	ND		1.0	0.60	ug/L			04/21/21 21:25	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/21/21 21:25	1
Chloromethane	ND		1.0	0.83	ug/L			04/21/21 21:25	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.50	ug/L			04/21/21 21:25	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/21 21:25	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/21/21 21:25	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/21/21 21:25	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/21/21 21:25	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/21/21 21:25	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/21/21 21:25	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/21/21 21:25	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/21/21 21:25	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			04/21/21 21:25	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/21/21 21:25	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/21 21:25	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/21/21 21:25	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/21/21 21:25	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/21/21 21:25	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/21/21 21:25	1
2-Hexanone	ND		25	3.1	ug/L			04/21/21 21:25	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/21/21 21:25	1
Methylene bromide	ND		5.0	0.59	ug/L			04/21/21 21:25	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/21/21 21:25	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/21/21 21:25	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/21/21 21:25	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/21/21 21:25	1
Naphthalene	ND		1.0	1.0	ug/L			04/21/21 21:25	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/21/21 21:25	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/21/21 21:25	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/21/21 21:25	1
o-Xylene	ND		5.0	0.60	ug/L			04/21/21 21:25	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/21/21 21:25	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/21/21 21:25	1

Client Sample ID: MW10-ROX-040821
Date Collected: 04/08/21 11:35
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-5
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			04/21/21 21:25	1
Styrene	ND		1.0	1.0	ug/L			04/21/21 21:25	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/21/21 21:25	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/21/21 21:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/21/21 21:25	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/21/21 21:25	1
Toluene	ND		1.0	0.41	ug/L			04/21/21 21:25	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/21/21 21:25	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/21 21:25	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/21/21 21:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/21/21 21:25	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/21/21 21:25	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/21/21 21:25	1
Trichloroethene	ND		1.0	0.50	ug/L			04/21/21 21:25	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/21/21 21:25	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/21/21 21:25	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/21/21 21:25	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/21/21 21:25	1
Vinyl acetate	ND		25	2.0	ug/L			04/21/21 21:25	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/21/21 21:25	1
Xylenes, Total	ND		10	1.6	ug/L			04/21/21 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/21/21 21:25*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*04/21/21 21:25*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/21/21 21:25*	*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		0.19	0.030	ug/L		04/14/21 10:52	04/16/21 20:32	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/14/21 10:52	04/16/21 20:32	1
Anthracene	ND		0.19	0.030	ug/L		04/14/21 10:52	04/16/21 20:32	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		04/14/21 10:52	04/16/21 20:32	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/14/21 10:52	04/16/21 20:32	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		04/14/21 10:52	04/16/21 20:32	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/14/21 10:52	04/16/21 20:32	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		04/14/21 10:52	04/16/21 20:32	1
Chrysene	ND		0.19	0.070	ug/L		04/14/21 10:52	04/16/21 20:32	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		04/14/21 10:52	04/16/21 20:32	1
Fluoranthene	ND		0.19	0.065	ug/L		04/14/21 10:52	04/16/21 20:32	1
Fluorene	ND		0.19	0.10	ug/L		04/14/21 10:52	04/16/21 20:32	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/14/21 10:52	04/16/21 20:32	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		04/14/21 10:52	04/16/21 20:32	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		04/14/21 10:52	04/16/21 20:32	1
Phenanthrene	ND		0.19	0.034	ug/L		04/14/21 10:52	04/16/21 20:32	1
Pyrene	ND		0.19	0.038	ug/L		04/14/21 10:52	04/16/21 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*15 - 122*	*04/14/21 10:52*	*04/16/21 20:32*	*1*
Nitrobenzene-d5	*91*		*19 - 130*	*04/14/21 10:52*	*04/16/21 20:32*	*1*

Client Sample ID: MW10-ROX-040821
Date Collected: 04/08/21 11:35
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-5
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	103		33 - 138	04/14/21 10:52	04/16/21 20:32	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		04/14/21 10:52	04/16/21 12:09	1
Benzenethiol	ND		9.5	1.6	ug/L		04/14/21 10:52	04/16/21 12:09	1
Benzoic acid	ND		29	6.9	ug/L		04/14/21 10:52	04/16/21 12:09	1
Benzyl alcohol	ND		9.5	1.9	ug/L		04/14/21 10:52	04/16/21 12:09	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		04/14/21 10:52	04/16/21 12:09	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		04/14/21 10:52	04/16/21 12:09	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		04/14/21 10:52	04/16/21 12:09	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.8	ug/L		04/14/21 10:52	04/16/21 12:09	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		04/14/21 10:52	04/16/21 12:09	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		04/14/21 10:52	04/16/21 12:09	1
4-Chloroaniline	ND		9.5	3.2	ug/L		04/14/21 10:52	04/16/21 12:09	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		04/14/21 10:52	04/16/21 12:09	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		04/14/21 10:52	04/16/21 12:09	1
2-Chlorophenol	ND		9.5	2.1	ug/L		04/14/21 10:52	04/16/21 12:09	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		04/14/21 10:52	04/16/21 12:09	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		04/14/21 10:52	04/16/21 12:09	1
Dibenzofuran	ND		9.5	0.16	ug/L		04/14/21 10:52	04/16/21 12:09	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		04/14/21 10:52	04/16/21 12:09	1
2,4-Dichlorophenol	ND		9.5	2.9	ug/L		04/14/21 10:52	04/16/21 12:09	1
Diethyl phthalate	ND		9.5	0.23	ug/L		04/14/21 10:52	04/16/21 12:09	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		04/14/21 10:52	04/16/21 12:09	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		04/14/21 10:52	04/16/21 12:09	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		04/14/21 10:52	04/16/21 12:09	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		04/14/21 10:52	04/16/21 12:09	1
2,4-Dinitrophenol	ND		29	3.2	ug/L		04/14/21 10:52	04/16/21 12:09	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		04/14/21 10:52	04/16/21 12:09	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		04/14/21 10:52	04/16/21 12:09	1
Di-n-octyl phthalate	ND	UJ	9.5	0.16	ug/L		04/14/21 10:52	04/16/21 12:09	1
1,4-Dioxane	ND		9.5	0.95	ug/L		04/14/21 10:52	04/16/21 12:09	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		04/14/21 10:52	04/16/21 12:09	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		04/14/21 10:52	04/16/21 12:09	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/14/21 10:52	04/16/21 12:09	1
Hexachloroethane	ND		9.5	4.0	ug/L		04/14/21 10:52	04/16/21 12:09	1
Indene	ND		9.5	0.95	ug/L		04/14/21 10:52	04/16/21 12:09	1
Isophorone	ND		9.5	0.13	ug/L		04/14/21 10:52	04/16/21 12:09	1
2-Methylphenol	ND		9.5	1.7	ug/L		04/14/21 10:52	04/16/21 12:09	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		04/14/21 10:52	04/16/21 12:09	1
2-Nitroaniline	ND		9.5	2.1	ug/L		04/14/21 10:52	04/16/21 12:09	1
3-Nitroaniline	ND		9.5	1.7	ug/L		04/14/21 10:52	04/16/21 12:09	1
4-Nitroaniline	ND		9.5	1.4	ug/L		04/14/21 10:52	04/16/21 12:09	1
Nitrobenzene	ND		9.5	0.12	ug/L		04/14/21 10:52	04/16/21 12:09	1
2-Nitrophenol	ND		9.5	4.9	ug/L		04/14/21 10:52	04/16/21 12:09	1
4-Nitrophenol	ND		9.5	2.0	ug/L		04/14/21 10:52	04/16/21 12:09	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		04/14/21 10:52	04/16/21 12:09	1

Client Sample ID: MW10-ROX-040821
Date Collected: 04/08/21 11:35
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-5
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		9.5	3.1	ug/L		04/14/21 10:52	04/16/21 12:09	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		04/14/21 10:52	04/16/21 12:09	1
Pentachlorophenol	ND		19	1.3	ug/L		04/14/21 10:52	04/16/21 12:09	1
Phenol	ND		9.5	2.5	ug/L		04/14/21 10:52	04/16/21 12:09	1
Pyridine	ND		9.5	3.0	ug/L		04/14/21 10:52	04/16/21 12:09	1
Quinoline	ND		9.5	4.3	ug/L		04/14/21 10:52	04/16/21 12:09	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		04/14/21 10:52	04/16/21 12:09	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		04/14/21 10:52	04/16/21 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*46 - 124*	*04/14/21 10:52*	*04/16/21 12:09*	*1*
2-Fluorophenol	*21*		*13 - 113*	*04/14/21 10:52*	*04/16/21 12:09*	*1*
Nitrobenzene-d5	*78*		*36 - 126*	*04/14/21 10:52*	*04/16/21 12:09*	*1*
Phenol-d5	*59*		*17 - 127*	*04/14/21 10:52*	*04/16/21 12:09*	*1*
Terphenyl-d14	*101*		*44 - 149*	*04/14/21 10:52*	*04/16/21 12:09*	*1*
2,4,6-Tribromophenol	*49*		*26 - 150*	*04/14/21 10:52*	*04/16/21 12:09*	*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		04/12/21 09:43	04/12/21 19:08	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/12/21 09:43	04/12/21 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*	*p*	*51 - 149*	*04/12/21 09:43*	*04/12/21 19:08*	*1*

Client Sample ID: MW27-ROX-040821

Date Collected: 04/08/21 13:00
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-6

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			04/21/21 21:50	1
Acrolein	ND		20	10	ug/L			04/21/21 21:50	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/21/21 21:50	1
Benzene	ND		1.0	0.38	ug/L			04/21/21 21:50	1
Bromobenzene	ND		1.0	0.54	ug/L			04/21/21 21:50	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/21/21 21:50	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/21/21 21:50	1
Bromoform	ND		5.0	0.71	ug/L			04/21/21 21:50	1
Bromomethane	ND		1.0	0.98	ug/L			04/21/21 21:50	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/21/21 21:50	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/21/21 21:50	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/21/21 21:50	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/21/21 21:50	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/21/21 21:50	1
Chloroethane	ND		1.0	0.76	ug/L			04/21/21 21:50	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/21/21 21:50	1
Chloroform	ND		1.0	0.60	ug/L			04/21/21 21:50	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/21/21 21:50	1
Chloromethane	ND		1.0	0.83	ug/L			04/21/21 21:50	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.50	ug/L			04/21/21 21:50	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/21 21:50	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/21/21 21:50	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/21/21 21:50	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/21/21 21:50	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/21/21 21:50	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/21/21 21:50	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/21/21 21:50	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/21/21 21:50	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			04/21/21 21:50	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/21/21 21:50	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/21 21:50	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/21/21 21:50	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/21/21 21:50	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/21/21 21:50	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/21/21 21:50	1
2-Hexanone	ND		25	3.1	ug/L			04/21/21 21:50	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/21/21 21:50	1
Methylene bromide	ND		5.0	0.59	ug/L			04/21/21 21:50	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/21/21 21:50	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/21/21 21:50	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/21/21 21:50	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/21/21 21:50	1
Naphthalene	ND		1.0	1.0	ug/L			04/21/21 21:50	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/21/21 21:50	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/21/21 21:50	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/21/21 21:50	1
o-Xylene	ND		5.0	0.60	ug/L			04/21/21 21:50	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/21/21 21:50	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/21/21 21:50	1

Client Sample ID: MW27-ROX-040821

Date Collected: 04/08/21 13:00
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-6

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			04/21/21 21:50	1
Styrene	ND		1.0	1.0	ug/L			04/21/21 21:50	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/21/21 21:50	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/21/21 21:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/21/21 21:50	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/21/21 21:50	1
Toluene	ND		1.0	0.41	ug/L			04/21/21 21:50	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/21/21 21:50	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/21 21:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/21/21 21:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/21/21 21:50	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/21/21 21:50	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/21/21 21:50	1
Trichloroethene	ND		1.0	0.50	ug/L			04/21/21 21:50	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/21/21 21:50	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/21/21 21:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/21/21 21:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/21/21 21:50	1
Vinyl acetate	ND		25	2.0	ug/L			04/21/21 21:50	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/21/21 21:50	1
Xylenes, Total	ND		10	1.6	ug/L			04/21/21 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*04/21/21 21:50*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*04/21/21 21:50*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/21/21 21:50*	*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	0.031	ug/L		04/14/21 10:52	04/16/21 20:50	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/14/21 10:52	04/16/21 20:50	1
Anthracene	ND		0.19	0.031	ug/L		04/14/21 10:52	04/16/21 20:50	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		04/14/21 10:52	04/16/21 20:50	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/14/21 10:52	04/16/21 20:50	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		04/14/21 10:52	04/16/21 20:50	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/14/21 10:52	04/16/21 20:50	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		04/14/21 10:52	04/16/21 20:50	1
Chrysene	ND		0.19	0.071	ug/L		04/14/21 10:52	04/16/21 20:50	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		04/14/21 10:52	04/16/21 20:50	1
Fluoranthene	ND		0.19	0.065	ug/L		04/14/21 10:52	04/16/21 20:50	1
Fluorene	ND		0.19	0.10	ug/L		04/14/21 10:52	04/16/21 20:50	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/14/21 10:52	04/16/21 20:50	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/14/21 10:52	04/16/21 20:50	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		04/14/21 10:52	04/16/21 20:50	1
Phenanthrene	ND		0.19	0.034	ug/L		04/14/21 10:52	04/16/21 20:50	1
Pyrene	ND		0.19	0.038	ug/L		04/14/21 10:52	04/16/21 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*93*		*15 - 122*	*04/14/21 10:52*	*04/16/21 20:50*	*1*
Nitrobenzene-d5	*91*		*19 - 130*	*04/14/21 10:52*	*04/16/21 20:50*	*1*

Client Sample ID: MW27-ROX-040821
Date Collected: 04/08/21 13:00
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-6
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	105		33 - 138	04/14/21 10:52	04/16/21 20:50	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		04/14/21 10:52	04/16/21 12:31	1
Benzenethiol	ND		9.5	1.6	ug/L		04/14/21 10:52	04/16/21 12:31	1
Benzoic acid	ND		29	7.0	ug/L		04/14/21 10:52	04/16/21 12:31	1
Benzyl alcohol	ND		9.5	1.9	ug/L		04/14/21 10:52	04/16/21 12:31	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		04/14/21 10:52	04/16/21 12:31	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		04/14/21 10:52	04/16/21 12:31	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		04/14/21 10:52	04/16/21 12:31	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.8	ug/L		04/14/21 10:52	04/16/21 12:31	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		04/14/21 10:52	04/16/21 12:31	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		04/14/21 10:52	04/16/21 12:31	1
4-Chloroaniline	ND		9.5	3.2	ug/L		04/14/21 10:52	04/16/21 12:31	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		04/14/21 10:52	04/16/21 12:31	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		04/14/21 10:52	04/16/21 12:31	1
2-Chlorophenol	ND		9.5	2.1	ug/L		04/14/21 10:52	04/16/21 12:31	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		04/14/21 10:52	04/16/21 12:31	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		04/14/21 10:52	04/16/21 12:31	1
Dibenzofuran	ND		9.5	0.16	ug/L		04/14/21 10:52	04/16/21 12:31	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		04/14/21 10:52	04/16/21 12:31	1
2,4-Dichlorophenol	ND		9.5	2.9	ug/L		04/14/21 10:52	04/16/21 12:31	1
Diethyl phthalate	0.23	J	9.5	0.23	ug/L		04/14/21 10:52	04/16/21 12:31	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		04/14/21 10:52	04/16/21 12:31	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		04/14/21 10:52	04/16/21 12:31	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		04/14/21 10:52	04/16/21 12:31	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		04/14/21 10:52	04/16/21 12:31	1
2,4-Dinitrophenol	ND		29	3.2	ug/L		04/14/21 10:52	04/16/21 12:31	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		04/14/21 10:52	04/16/21 12:31	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		04/14/21 10:52	04/16/21 12:31	1
Di-n-octyl phthalate	ND	UJ	9.5	0.16	ug/L		04/14/21 10:52	04/16/21 12:31	1
1,4-Dioxane	ND		9.5	0.95	ug/L		04/14/21 10:52	04/16/21 12:31	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		04/14/21 10:52	04/16/21 12:31	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		04/14/21 10:52	04/16/21 12:31	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/14/21 10:52	04/16/21 12:31	1
Hexachloroethane	ND		9.5	4.0	ug/L		04/14/21 10:52	04/16/21 12:31	1
Indene	ND		9.5	0.95	ug/L		04/14/21 10:52	04/16/21 12:31	1
Isophorone	ND		9.5	0.13	ug/L		04/14/21 10:52	04/16/21 12:31	1
2-Methylphenol	ND		9.5	1.7	ug/L		04/14/21 10:52	04/16/21 12:31	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		04/14/21 10:52	04/16/21 12:31	1
2-Nitroaniline	ND		9.5	2.1	ug/L		04/14/21 10:52	04/16/21 12:31	1
3-Nitroaniline	ND		9.5	1.7	ug/L		04/14/21 10:52	04/16/21 12:31	1
4-Nitroaniline	ND		9.5	1.4	ug/L		04/14/21 10:52	04/16/21 12:31	1
Nitrobenzene	ND		9.5	0.12	ug/L		04/14/21 10:52	04/16/21 12:31	1
2-Nitrophenol	ND		9.5	5.0	ug/L		04/14/21 10:52	04/16/21 12:31	1
4-Nitrophenol	ND		9.5	2.0	ug/L		04/14/21 10:52	04/16/21 12:31	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		04/14/21 10:52	04/16/21 12:31	1

Client Sample ID: MW27-ROX-040821
Date Collected: 04/08/21 13:00
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-6
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		9.5	3.1	ug/L		04/14/21 10:52	04/16/21 12:31	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		04/14/21 10:52	04/16/21 12:31	1
Pentachlorophenol	ND		19	1.3	ug/L		04/14/21 10:52	04/16/21 12:31	1
Phenol	ND		9.5	2.5	ug/L		04/14/21 10:52	04/16/21 12:31	1
Pyridine	ND		9.5	3.1	ug/L		04/14/21 10:52	04/16/21 12:31	1
Quinoline	ND		9.5	4.3	ug/L		04/14/21 10:52	04/16/21 12:31	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		04/14/21 10:52	04/16/21 12:31	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		04/14/21 10:52	04/16/21 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*46 - 124*	*04/14/21 10:52*	*04/16/21 12:31*	*1*
2-Fluorophenol	*9*	*S1-*	*13 - 113*	*04/14/21 10:52*	*04/16/21 12:31*	*1*
Nitrobenzene-d5	*72*		*36 - 126*	*04/14/21 10:52*	*04/16/21 12:31*	*1*
Phenol-d5	*39*		*17 - 127*	*04/14/21 10:52*	*04/16/21 12:31*	*1*
Terphenyl-d14	*89*		*44 - 149*	*04/14/21 10:52*	*04/16/21 12:31*	*1*
2,4,6-Tribromophenol	*49*		*26 - 150*	*04/14/21 10:52*	*04/16/21 12:31*	*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		0.030	0.0055	ug/L		04/12/21 09:43	04/12/21 19:28	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/12/21 09:43	04/12/21 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*	*p*	*51 - 149*	*04/12/21 09:43*	*04/12/21 19:28*	*1*

Client Sample ID: MW16-ROX-040821
Date Collected: 04/08/21 14:25
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-7
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			04/21/21 18:08	1
Acrolein	ND		20	10	ug/L			04/21/21 18:08	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/21/21 18:08	1
Benzene	ND		1.0	0.38	ug/L			04/21/21 18:08	1
Bromobenzene	ND		1.0	0.54	ug/L			04/21/21 18:08	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/21/21 18:08	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/21/21 18:08	1
Bromoform	ND		5.0	0.71	ug/L			04/21/21 18:08	1
Bromomethane	ND		1.0	0.98	ug/L			04/21/21 18:08	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/21/21 18:08	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/21/21 18:08	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/21/21 18:08	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/21/21 18:08	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/21/21 18:08	1
Chloroethane	ND		1.0	0.76	ug/L			04/21/21 18:08	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			04/21/21 18:08	1
Chloroform	ND		1.0	0.60	ug/L			04/21/21 18:08	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/21/21 18:08	1
Chloromethane	ND		1.0	0.83	ug/L			04/21/21 18:08	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.50	ug/L			04/21/21 18:08	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/21 18:08	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/21/21 18:08	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/21/21 18:08	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/21/21 18:08	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/21/21 18:08	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/21/21 18:08	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/21/21 18:08	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/21/21 18:08	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			04/21/21 18:08	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/21/21 18:08	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/21 18:08	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/21/21 18:08	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/21/21 18:08	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/21/21 18:08	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/21/21 18:08	1
2-Hexanone	ND		25	3.1	ug/L			04/21/21 18:08	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/21/21 18:08	1
Methylene bromide	ND		5.0	0.59	ug/L			04/21/21 18:08	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/21/21 18:08	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/21/21 18:08	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/21/21 18:08	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/21/21 18:08	1
Naphthalene	ND		1.0	1.0	ug/L			04/21/21 18:08	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/21/21 18:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/21/21 18:08	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/21/21 18:08	1
o-Xylene	ND		5.0	0.60	ug/L			04/21/21 18:08	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/21/21 18:08	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/21/21 18:08	1

Client Sample ID: MW16-ROX-040821

Date Collected: 04/08/21 14:25
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-7

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			04/21/21 18:08	1
Styrene	ND		1.0	1.0	ug/L			04/21/21 18:08	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/21/21 18:08	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/21/21 18:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/21/21 18:08	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/21/21 18:08	1
Toluene	ND		1.0	0.41	ug/L			04/21/21 18:08	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/21/21 18:08	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/21 18:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/21/21 18:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/21/21 18:08	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/21/21 18:08	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/21/21 18:08	1
Trichloroethene	ND		1.0	0.50	ug/L			04/21/21 18:08	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/21/21 18:08	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/21/21 18:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/21/21 18:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/21/21 18:08	1
Vinyl acetate	ND		25	2.0	ug/L			04/21/21 18:08	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/21/21 18:08	1
Xylenes, Total	ND		10	1.6	ug/L			04/21/21 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*04/21/21 18:08*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*04/21/21 18:08*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/21/21 18:08*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.030	ug/L		04/14/21 10:52	04/16/21 19:39	1
Acenaphthylene	ND		0.19	0.042	ug/L		04/14/21 10:52	04/16/21 19:39	1
Anthracene	ND		0.19	0.030	ug/L		04/14/21 10:52	04/16/21 19:39	1
Benzo[a]anthracene	ND		0.19	0.043	ug/L		04/14/21 10:52	04/16/21 19:39	1
Benzo[a]pyrene	ND		0.19	0.039	ug/L		04/14/21 10:52	04/16/21 19:39	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		04/14/21 10:52	04/16/21 19:39	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/14/21 10:52	04/16/21 19:39	1
Benzo[k]fluoranthene	ND		0.19	0.094	ug/L		04/14/21 10:52	04/16/21 19:39	1
Chrysene	ND		0.19	0.070	ug/L		04/14/21 10:52	04/16/21 19:39	1
Dibenz(a,h)anthracene	ND		0.19	0.047	ug/L		04/14/21 10:52	04/16/21 19:39	1
Fluoranthene	ND		0.19	0.064	ug/L		04/14/21 10:52	04/16/21 19:39	1
Fluorene	ND		0.19	0.10	ug/L		04/14/21 10:52	04/16/21 19:39	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.040	ug/L		04/14/21 10:52	04/16/21 19:39	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		04/14/21 10:52	04/16/21 19:39	1
2-Methylnaphthalene	ND		0.19	0.056	ug/L		04/14/21 10:52	04/16/21 19:39	1
Phenanthrene	ND		0.19	0.034	ug/L		04/14/21 10:52	04/16/21 19:39	1
Pyrene	ND		0.19	0.038	ug/L		04/14/21 10:52	04/16/21 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*38*		*15 - 122*	*04/14/21 10:52*	*04/16/21 19:39*	*1*
Nitrobenzene-d5	*39*		*19 - 130*	*04/14/21 10:52*	*04/16/21 19:39*	*1*

Client Sample ID: MW16-ROX-040821
Date Collected: 04/08/21 14:25
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-7
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	83		33 - 138	04/14/21 10:52	04/16/21 19:39	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		04/14/21 10:52	04/16/21 11:05	1
Aniline	ND	H UJ	9.5	3.6	ug/L		04/21/21 14:03	04/27/21 14:56	1
Benzenethiol	ND		9.4	1.6	ug/L		04/14/21 10:52	04/16/21 11:05	1
Benzenethiol	ND	H *1 UJ	9.5	1.6	ug/L		04/21/21 14:03	04/27/21 14:56	1
Benzoic acid	ND		28	6.9	ug/L		04/14/21 10:52	04/16/21 11:05	1
Benzoic acid	ND	H UJ	29	7.0	ug/L		04/21/21 14:03	04/27/21 14:56	1
Benzyl alcohol	ND		9.4	1.9	ug/L		04/14/21 10:52	04/16/21 11:05	1
Benzyl alcohol	ND	H UJ	9.5	1.9	ug/L		04/21/21 14:03	04/27/21 14:56	1
Bis(2-chloroethoxy)methane	ND		9.4	0.15	ug/L		04/14/21 10:52	04/16/21 11:05	1
Bis(2-chloroethoxy)methane	ND	H UJ	9.5	0.15	ug/L		04/21/21 14:03	04/27/21 14:56	1
Bis(2-chloroethyl)ether	ND		9.4	2.5	ug/L		04/14/21 10:52	04/16/21 11:05	1
Bis(2-chloroethyl)ether	ND	H UJ	9.5	2.6	ug/L		04/21/21 14:03	04/27/21 14:56	1
bis (2-chloroisopropyl) ether	ND		9.4	0.15	ug/L		04/14/21 10:52	04/16/21 11:05	1
bis (2-chloroisopropyl) ether	ND	H UJ	9.5	0.15	ug/L		04/21/21 14:03	04/27/21 14:56	1
Bis(2-ethylhexyl) phthalate	ND		9.4	4.7	ug/L		04/14/21 10:52	04/16/21 11:05	1
Bis(2-ethylhexyl) phthalate	ND	H UJ	9.5	4.8	ug/L		04/21/21 14:03	04/27/21 14:56	1
4-Bromophenyl phenyl ether	ND		9.4	0.19	ug/L		04/14/21 10:52	04/16/21 11:05	1
4-Bromophenyl phenyl ether	ND	H UJ	9.5	0.19	ug/L		04/21/21 14:03	04/27/21 14:56	1
Butyl benzyl phthalate	ND		9.4	0.18	ug/L		04/14/21 10:52	04/16/21 11:05	1
Butyl benzyl phthalate	ND	H UJ	9.5	0.18	ug/L		04/21/21 14:03	04/27/21 14:56	1
4-Chloroaniline	ND		9.4	3.2	ug/L		04/14/21 10:52	04/16/21 11:05	1
4-Chloroaniline	ND	H UJ	9.5	3.2	ug/L		04/21/21 14:03	04/27/21 14:56	1
4-Chloro-3-methylphenol	ND		9.4	3.6	ug/L		04/14/21 10:52	04/16/21 11:05	1
4-Chloro-3-methylphenol	ND	H UJ	9.5	3.6	ug/L		04/21/21 14:03	04/27/21 14:56	1
2-Chloronaphthalene	ND		9.4	0.13	ug/L		04/14/21 10:52	04/16/21 11:05	1
2-Chloronaphthalene	ND	H UJ	9.5	0.13	ug/L		04/21/21 14:03	04/27/21 14:56	1
2-Chlorophenol	ND	F2	9.4	2.1	ug/L		04/14/21 10:52	04/16/21 11:05	1
2-Chlorophenol	ND	H UJ	9.5	2.1	ug/L		04/21/21 14:03	04/27/21 14:56	1
4-Chlorophenyl phenyl ether	ND		9.4	1.9	ug/L		04/14/21 10:52	04/16/21 11:05	1
4-Chlorophenyl phenyl ether	ND	H UJ	9.5	1.9	ug/L		04/21/21 14:03	04/27/21 14:56	1
Dibenz[a,h]acridine	ND		9.4	0.94	ug/L		04/14/21 10:52	04/16/21 11:05	1
Dibenz[a,h]acridine	ND	H UJ	9.5	0.95	ug/L		04/21/21 14:03	04/27/21 14:56	1
Dibenzofuran	ND		9.4	0.16	ug/L		04/14/21 10:52	04/16/21 11:05	1
Dibenzofuran	ND	H UJ	9.5	0.16	ug/L		04/21/21 14:03	04/27/21 14:56	1
3,3'-Dichlorobenzidine	ND		9.4	2.4	ug/L		04/14/21 10:52	04/16/21 11:05	1
3,3'-Dichlorobenzidine	ND	H UJ	9.5	2.5	ug/L		04/21/21 14:03	04/27/21 14:56	1
2,4-Dichlorophenol	ND		9.4	2.8	ug/L		04/14/21 10:52	04/16/21 11:05	1
2,4-Dichlorophenol	ND	H UJ	9.5	2.9	ug/L		04/21/21 14:03	04/27/21 14:56	1
Diethyl phthalate	ND		9.4	0.23	ug/L		04/14/21 10:52	04/16/21 11:05	1
Diethyl phthalate	ND	H UJ	9.5	0.23	ug/L		04/21/21 14:03	04/27/21 14:56	1
2,4-Dimethylphenol	ND		9.4	3.3	ug/L		04/14/21 10:52	04/16/21 11:05	1
2,4-Dimethylphenol	ND	H UJ	9.5	3.3	ug/L		04/21/21 14:03	04/27/21 14:56	1
Dimethyl phthalate	ND		9.4	0.16	ug/L		04/14/21 10:52	04/16/21 11:05	1
Dimethyl phthalate	ND	H UJ	9.5	0.16	ug/L		04/21/21 14:03	04/27/21 14:56	1
Di-n-butyl phthalate	ND		9.4	2.5	ug/L		04/14/21 10:52	04/16/21 11:05	1

Client Sample ID: MW16-ROX-040821
Date Collected: 04/08/21 14:25
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	ND	H UJ	9.5	2.6	ug/L		04/21/21 14:03	04/27/21 14:56	1
4,6-Dinitro-ortho-cresol	ND		9.4	1.5	ug/L		04/14/21 10:52	04/16/21 11:05	1
4,6-Dinitro-ortho-cresol	ND	H UJ	9.5	1.5	ug/L		04/21/21 14:03	04/27/21 14:56	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		04/14/21 10:52	04/16/21 11:05	1
2,4-Dinitrophenol	ND	H UJ	29	3.2	ug/L		04/21/21 14:03	04/27/21 14:56	1
2,4-Dinitrotoluene	ND		9.4	1.8	ug/L		04/14/21 10:52	04/16/21 11:05	1
2,4-Dinitrotoluene	ND	H UJ	9.5	1.8	ug/L		04/21/21 14:03	04/27/21 14:56	1
2,6-Dinitrotoluene	ND		9.4	1.8	ug/L		04/14/21 10:52	04/16/21 11:05	1
2,6-Dinitrotoluene	ND	H UJ	9.5	1.8	ug/L		04/21/21 14:03	04/27/21 14:56	1
Di-n-octyl phthalate	ND	*-	9.4	0.16	ug/L		04/14/21 10:52	04/16/21 11:05	1
Di-n-octyl phthalate	ND	H UJ	9.5	0.16	ug/L		04/21/21 14:03	04/27/21 14:56	1
1,4-Dioxane	ND	F1	9.4	0.94	ug/L		04/14/21 10:52	04/16/21 11:05	1
1,4-Dioxane	ND	H UJ	9.5	0.95	ug/L		04/21/21 14:03	04/27/21 14:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	F1	9.4	0.94	ug/L		04/14/21 10:52	04/16/21 11:05	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H UJ	9.5	0.95	ug/L		04/21/21 14:03	04/27/21 14:56	1
Hexachlorobenzene	ND		9.4	0.16	ug/L		04/14/21 10:52	04/16/21 11:05	1
Hexachlorobenzene	ND	H UJ	9.5	0.16	ug/L		04/21/21 14:03	04/27/21 14:56	1
Hexachlorocyclopentadiene	ND		19	2.4	ug/L		04/14/21 10:52	04/16/21 11:05	1
Hexachlorocyclopentadiene	ND	H UJ	19	2.5	ug/L		04/21/21 14:03	04/27/21 14:56	1
Hexachloroethane	ND		9.4	3.9	ug/L		04/14/21 10:52	04/16/21 11:05	1
Hexachloroethane	ND	H UJ	9.5	4.0	ug/L		04/21/21 14:03	04/27/21 14:56	1
Indene	ND		9.4	0.94	ug/L		04/14/21 10:52	04/16/21 11:05	1
Indene	ND	H UJ	9.5	0.95	ug/L		04/21/21 14:03	04/27/21 14:56	1
Isophorone	ND		9.4	0.13	ug/L		04/14/21 10:52	04/16/21 11:05	1
Isophorone	ND	H UJ	9.5	0.13	ug/L		04/21/21 14:03	04/27/21 14:56	1
2-Methylphenol	ND		9.4	1.7	ug/L		04/14/21 10:52	04/16/21 11:05	1
2-Methylphenol	ND	H UJ	9.5	1.7	ug/L		04/21/21 14:03	04/27/21 14:56	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		04/14/21 10:52	04/16/21 11:05	1
3 & 4 Methylphenol	ND	H UJ	19	0.37	ug/L		04/21/21 14:03	04/27/21 14:56	1
2-Nitroaniline	ND	F1	9.4	2.1	ug/L		04/14/21 10:52	04/16/21 11:05	1
2-Nitroaniline	ND	H UJ	9.5	2.1	ug/L		04/21/21 14:03	04/27/21 14:56	1
3-Nitroaniline	ND		9.4	1.7	ug/L		04/14/21 10:52	04/16/21 11:05	1
3-Nitroaniline	ND	H UJ	9.5	1.7	ug/L		04/21/21 14:03	04/27/21 14:56	1
4-Nitroaniline	ND		9.4	1.4	ug/L		04/14/21 10:52	04/16/21 11:05	1
4-Nitroaniline	ND	H UJ	9.5	1.4	ug/L		04/21/21 14:03	04/27/21 14:56	1
Nitrobenzene	ND		9.4	0.12	ug/L		04/14/21 10:52	04/16/21 11:05	1
Nitrobenzene	ND	H UJ	9.5	0.12	ug/L		04/21/21 14:03	04/27/21 14:56	1
2-Nitrophenol	ND		9.4	4.9	ug/L		04/14/21 10:52	04/16/21 11:05	1
2-Nitrophenol	ND	H UJ	9.5	5.0	ug/L		04/21/21 14:03	04/27/21 14:56	1
4-Nitrophenol	ND		9.4	2.0	ug/L		04/14/21 10:52	04/16/21 11:05	1
4-Nitrophenol	ND	H UJ	9.5	2.0	ug/L		04/21/21 14:03	04/27/21 14:56	1
N-Nitrosodimethylamine	ND		9.4	3.3	ug/L		04/14/21 10:52	04/16/21 11:05	1
N-Nitrosodimethylamine	ND	H UJ	9.5	3.3	ug/L		04/21/21 14:03	04/27/21 14:56	1
N-Nitrosodi-n-propylamine	ND		9.4	3.1	ug/L		04/14/21 10:52	04/16/21 11:05	1
N-Nitrosodi-n-propylamine	ND	H UJ	9.5	3.1	ug/L		04/21/21 14:03	04/27/21 14:56	1
N-Nitrosodiphenylamine	ND		9.4	0.17	ug/L		04/14/21 10:52	04/16/21 11:05	1
N-Nitrosodiphenylamine	ND	H UJ	9.5	0.17	ug/L		04/21/21 14:03	04/27/21 14:56	1
Pentachlorophenol	ND		19	1.3	ug/L		04/14/21 10:52	04/16/21 11:05	1

Client Sample ID: MW16-ROX-040821
Date Collected: 04/08/21 14:25
Date Received: 04/09/21 10:10

Lab Sample ID: 400-201833-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND	H UJ	19	1.3	ug/L		04/21/21 14:03	04/27/21 14:56	1
Phenol	ND		9.4	2.4	ug/L		04/14/21 10:52	04/16/21 11:05	1
Phenol	ND	H UJ	9.5	2.5	ug/L		04/21/21 14:03	04/27/21 14:56	1
Pyridine	ND		9.4	3.0	ug/L		04/14/21 10:52	04/16/21 11:05	1
Pyridine	ND	H UJ	9.5	3.1	ug/L		04/21/21 14:03	04/27/21 14:56	1
Quinoline	ND		9.4	4.2	ug/L		04/14/21 10:52	04/16/21 11:05	1
Quinoline	ND	H UJ	9.5	4.3	ug/L		04/21/21 14:03	04/27/21 14:56	1
2,4,5-Trichlorophenol	ND		9.4	3.5	ug/L		04/14/21 10:52	04/16/21 11:05	1
2,4,5-Trichlorophenol	ND	H UJ	9.5	3.5	ug/L		04/21/21 14:03	04/27/21 14:56	1
2,4,6-Trichlorophenol	ND		9.4	3.3	ug/L		04/14/21 10:52	04/16/21 11:05	1
2,4,6-Trichlorophenol	ND	H UJ	9.5	3.3	ug/L		04/21/21 14:03	04/27/21 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*39*	*S1-*	*46 - 124*	*04/14/21 10:52*	*04/16/21 11:05*	*1*
2-Fluorobiphenyl	*81*		*46 - 124*	*04/21/21 14:03*	*04/27/21 14:56*	*1*
2-Fluorophenol	*0*	*S1-*	*13 - 113*	*04/14/21 10:52*	*04/16/21 11:05*	*1*
2-Fluorophenol	*13*		*13 - 113*	*04/21/21 14:03*	*04/27/21 14:56*	*1*
Nitrobenzene-d5	*35*	*S1-*	*36 - 126*	*04/14/21 10:52*	*04/16/21 11:05*	*1*
Nitrobenzene-d5	*70*		*36 - 126*	*04/21/21 14:03*	*04/27/21 14:56*	*1*
Phenol-d5	*0*	*S1-*	*17 - 127*	*04/14/21 10:52*	*04/16/21 11:05*	*1*
Phenol-d5	*29*		*17 - 127*	*04/21/21 14:03*	*04/27/21 14:56*	*1*
Terphenyl-d14	*74*		*44 - 149*	*04/14/21 10:52*	*04/16/21 11:05*	*1*
Terphenyl-d14	*109*		*44 - 149*	*04/21/21 14:03*	*04/27/21 14:56*	*1*
2,4,6-Tribromophenol	*0*	*S1-*	*26 - 150*	*04/14/21 10:52*	*04/16/21 11:05*	*1*
2,4,6-Tribromophenol	*64*		*26 - 150*	*04/21/21 14:03*	*04/27/21 14:56*	*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	F2	0.031	0.0057	ug/L		04/12/21 09:43	04/12/21 16:29	1
1,2-Dibromoethane	ND		0.021	0.0052	ug/L		04/12/21 09:43	04/12/21 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*	*p*	*51 - 149*	*04/12/21 09:43*	*04/12/21 16:29*	*1*

Definitions/Glossary

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

Job ID: 400-201833-1

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.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
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.

GC Semi VOA

Qualifier	Qualifier Description
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: 400-201833-1

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)
400-201833-2	TB-ROX-040821-8260	88	98	90
400-201833-3	MW9-ROX-040821-EB	87	98	92
400-201833-4	MW9-ROX-040821	88	102	92
400-201833-5	MW10-ROX-040821	88	99	91
400-201833-6	MW27-ROX-040821	89	98	91
400-201833-7	MW16-ROX-040821	89	100	91
400-201833-7 MS	MW16-ROX-040821	89	101	92
400-201833-7 MSD	MW16-ROX-040821	88	101	93
LCS 400-528587/1002	Lab Control Sample	90	102	93
MB 400-528587/4	Method Blank	88	98	91

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)
400-201833-3	MW9-ROX-040821-EB	80	21	79	63	95	64
400-201833-4	MW9-ROX-040821	80	39	77	69	95	67
400-201833-5	MW10-ROX-040821	82	21	78	59	101	49
400-201833-6	MW27-ROX-040821	75	9 S1-	72	39	89	49
400-201833-7	MW16-ROX-040821	39 S1-	0 S1-	35 S1-	0 S1-	74	0 S1-
400-201833-7	MW16-ROX-040821	81	13	70	29	109	64
400-201833-7 MS	MW16-ROX-040821	76	25	76	58	87	80
400-201833-7 MSD	MW16-ROX-040821	79	51	81	80	95	95
LCS 400-527531/2-A	Lab Control Sample	84	40	84	76	97	96
LCS 400-528560/2-A	Lab Control Sample	85	51	80	84	116	111
LCS 400-528560/4-A	Lab Control Sample	58	22	58	51	103	75
LCSD 400-528560/5-A	Lab Control Sample Dup	61	13	60	41	110	67
MB 400-528560/1-A	Method Blank	89	66	82	87	110	78

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)
400-201833-3	MW9-ROX-040821-EB	102	93	113

Surrogate Summary

Client: AECOM Technical Services Inc. Job ID: 400-201833-1
Project/Site: ROXANA QUARTERLY GW

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

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)
400-201833-4	MW9-ROX-040821	92	87	108
400-201833-5	MW10-ROX-040821	86	91	103
400-201833-6	MW27-ROX-040821	93	91	105
400-201833-7	MW16-ROX-040821	38	39	83
400-201833-7 MS	MW16-ROX-040821	92	91	94
400-201833-7 MSD	MW16-ROX-040821	94	101	89
LCS 400-527531/2-A	Lab Control Sample	93	94	105
MB 400-527531/1-A	Method Blank	84	89	105

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)
400-201833-1	TB-ROX-040821-8011	97 p
400-201833-3	MW9-ROX-040821-EB	104 p
400-201833-4	MW9-ROX-040821	101 p
400-201833-5	MW10-ROX-040821	107 p
400-201833-6	MW27-ROX-040821	94 p
400-201833-7	MW16-ROX-040821	113 p
400-201833-7 MS	MW16-ROX-040821	109 p
400-201833-7 MSD	MW16-ROX-040821	112 p
LCS 400-527190/2-A	Lab Control Sample	108 p
MB 400-527190/1-A	Method Blank	88 p

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

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

Job ID: 400-201833-1

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: 400-201833-1

Client Sample ID: TB-ROX-040821-8011

Lab Sample ID: 400-201833-1

Date Collected: 04/08/21 00:00
Date Received: 04/09/21 10:10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.1 mL	35 mL	527190	04/12/21 09:43	DS	TAL PEN
Total/NA	Analysis	8011		1			527271	04/12/21 18:09	DS	TAL PEN

Client Sample ID: TB-ROX-040821-8260

Lab Sample ID: 400-201833-2

Date Collected: 04/08/21 00:00
Date Received: 04/09/21 10:10

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	528587	04/21/21 20:11	WPD	TAL PEN

Client Sample ID: MW9-ROX-040821-EB

Lab Sample ID: 400-201833-3

Date Collected: 04/08/21 08:23
Date Received: 04/09/21 10:10

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	528587	04/21/21 20:36	WPD	TAL PEN
Total/NA	Prep	3520C			259.2 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527835	04/16/21 11:27	S1B	TAL PEN
Total/NA	Prep	3520C			259.2 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			527823	04/16/21 19:57	KJA	TAL PEN
Total/NA	Prep	8011			35 mL	35 mL	527190	04/12/21 09:43	DS	TAL PEN
Total/NA	Analysis	8011		1			527271	04/12/21 18:29	DS	TAL PEN

Client Sample ID: MW9-ROX-040821

Lab Sample ID: 400-201833-4

Date Collected: 04/08/21 10:20
Date Received: 04/09/21 10:10

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	528587	04/21/21 21:01	WPD	TAL PEN
Total/NA	Prep	3520C			262.4 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527835	04/16/21 11:48	S1B	TAL PEN
Total/NA	Prep	3520C			262.4 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			527823	04/16/21 20:15	KJA	TAL PEN
Total/NA	Prep	8011			33.7 mL	35 mL	527190	04/12/21 09:43	DS	TAL PEN
Total/NA	Analysis	8011		1			527271	04/12/21 18:48	DS	TAL PEN

Client Sample ID: MW10-ROX-040821

Lab Sample ID: 400-201833-5

Date Collected: 04/08/21 11:35
Date Received: 04/09/21 10:10

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	528587	04/21/21 21:25	WPD	TAL PEN
Total/NA	Prep	3520C			263 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527835	04/16/21 12:09	S1B	TAL PEN

Lab Chronicle

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

Job ID: 400-201833-1

Client Sample ID: MW10-ROX-040821

Lab Sample ID: 400-201833-5

Date Collected: 04/08/21 11:35
Matrix: Water
Date Received: 04/09/21 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	3520C			263 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			527823	04/16/21 20:32	KJA	TAL PEN
Total/NA	Prep	8011			35.1 mL	35 mL	527190	04/12/21 09:43	DS	TAL PEN
Total/NA	Analysis	8011		1			527271	04/12/21 19:08	DS	TAL PEN

Client Sample ID: MW27-ROX-040821

Lab Sample ID: 400-201833-6

Date Collected: 04/08/21 13:00
Matrix: Water
Date Received: 04/09/21 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	528587	04/21/21 21:50	WPD	TAL PEN
Total/NA	Prep	3520C			262 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527835	04/16/21 12:31	S1B	TAL PEN
Total/NA	Prep	3520C			262 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			527823	04/16/21 20:50	KJA	TAL PEN
Total/NA	Prep	8011			34.9 mL	35 mL	527190	04/12/21 09:43	DS	TAL PEN
Total/NA	Analysis	8011		1			527271	04/12/21 19:28	DS	TAL PEN

Client Sample ID: MW16-ROX-040821

Lab Sample ID: 400-201833-7

Date Collected: 04/08/21 14:25
Matrix: Water
Date Received: 04/09/21 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	528587	04/21/21 18:08	WPD	TAL PEN
Total/NA	Prep	3520C			266 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527835	04/16/21 11:05	S1B	TAL PEN
Total/NA	Prep	3520C			262.2 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			529302	04/27/21 14:56	S1B	TAL PEN
Total/NA	Prep	3520C			266 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			527823	04/16/21 19:39	KJA	TAL PEN
Total/NA	Prep	8011			33.9 mL	35 mL	527190	04/12/21 09:43	DS	TAL PEN
Total/NA	Analysis	8011		1			527271	04/12/21 16:29	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-527190/1-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	527190	04/12/21 09:43	DS	TAL PEN
Total/NA	Analysis	8011		1			527271	04/12/21 14:49	DS	TAL PEN

Lab Chronicle

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

Job ID: 400-201833-1

Client Sample ID: Method Blank
Lab Sample ID: MB 400-527531/1-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	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			527823	04/16/21 18:28	KJA	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-528560/1-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	528560	04/21/21 14:02	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528893	04/23/21 15:36	S1B	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-528587/4
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	528587	04/21/21 17:21	WPD	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-527190/2-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	527190	04/12/21 09:43	DS	TAL PEN
Total/NA	Analysis	8011		1			527271	04/12/21 15:09	DS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-527531/2-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	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527835	04/16/21 10:44	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			527823	04/16/21 18:46	KJA	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-528560/2-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	528560	04/21/21 14:02	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528701	04/22/21 22:27	VC1	TAL PEN

Lab Chronicle

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

Job ID: 400-201833-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-528560/4-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	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/23/21 21:19	VC1	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-528587/1002

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	528587	04/21/21 16:30	WPD	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-528560/5-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	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/23/21 21:41	VC1	TAL PEN

Client Sample ID: MW16-ROX-040821

Lab Sample ID: 400-201833-7 MS

Date Collected: 04/08/21 14:25
Date Received: 04/09/21 10:10

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	528587	04/21/21 18:57	WPD	TAL PEN
Total/NA	Prep	3520C			266 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527703	04/15/21 20:06	S1B	TAL PEN
Total/NA	Prep	3520C			266 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			527823	04/16/21 19:03	KJA	TAL PEN
Total/NA	Prep	8011			33.2 mL	35 mL	527190	04/12/21 09:43	DS	TAL PEN
Total/NA	Analysis	8011		1			527271	04/12/21 15:49	DS	TAL PEN

Client Sample ID: MW16-ROX-040821

Lab Sample ID: 400-201833-7 MSD

Date Collected: 04/08/21 14:25
Date Received: 04/09/21 10:10

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	528587	04/21/21 19:22	WPD	TAL PEN
Total/NA	Prep	3520C			264.4 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527703	04/15/21 20:28	S1B	TAL PEN
Total/NA	Prep	3520C			264.4 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			527823	04/16/21 19:21	KJA	TAL PEN
Total/NA	Prep	8011			34.3 mL	35 mL	527190	04/12/21 09:43	DS	TAL PEN
Total/NA	Analysis	8011		1			527271	04/12/21 16:09	DS	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: 400-201833-1

GC/MS VOA

Analysis Batch: 528587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201833-2	TB-ROX-040821-8260	Total/NA	Water	8260B	
400-201833-3	MW9-ROX-040821-EB	Total/NA	Water	8260B	
400-201833-4	MW9-ROX-040821	Total/NA	Water	8260B	
400-201833-5	MW10-ROX-040821	Total/NA	Water	8260B	
400-201833-6	MW27-ROX-040821	Total/NA	Water	8260B	
400-201833-7	MW16-ROX-040821	Total/NA	Water	8260B	
MB 400-528587/4	Method Blank	Total/NA	Water	8260B	
LCS 400-528587/1002	Lab Control Sample	Total/NA	Water	8260B	
400-201833-7 MS	MW16-ROX-040821	Total/NA	Water	8260B	
400-201833-7 MSD	MW16-ROX-040821	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 527531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201833-3	MW9-ROX-040821-EB	Total/NA	Water	3520C	
400-201833-4	MW9-ROX-040821	Total/NA	Water	3520C	
400-201833-5	MW10-ROX-040821	Total/NA	Water	3520C	
400-201833-6	MW27-ROX-040821	Total/NA	Water	3520C	
400-201833-7	MW16-ROX-040821	Total/NA	Water	3520C	
MB 400-527531/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-527531/2-A	Lab Control Sample	Total/NA	Water	3520C	
400-201833-7 MS	MW16-ROX-040821	Total/NA	Water	3520C	
400-201833-7 MSD	MW16-ROX-040821	Total/NA	Water	3520C	

Analysis Batch: 527703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201833-7 MS	MW16-ROX-040821	Total/NA	Water	8270D	527531
400-201833-7 MSD	MW16-ROX-040821	Total/NA	Water	8270D	527531

Analysis Batch: 527823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201833-3	MW9-ROX-040821-EB	Total/NA	Water	8270D LL	527531
400-201833-4	MW9-ROX-040821	Total/NA	Water	8270D LL	527531
400-201833-5	MW10-ROX-040821	Total/NA	Water	8270D LL	527531
400-201833-6	MW27-ROX-040821	Total/NA	Water	8270D LL	527531
400-201833-7	MW16-ROX-040821	Total/NA	Water	8270D LL	527531
MB 400-527531/1-A	Method Blank	Total/NA	Water	8270D LL	527531
LCS 400-527531/2-A	Lab Control Sample	Total/NA	Water	8270D LL	527531
400-201833-7 MS	MW16-ROX-040821	Total/NA	Water	8270D LL	527531
400-201833-7 MSD	MW16-ROX-040821	Total/NA	Water	8270D LL	527531

Analysis Batch: 527835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201833-3	MW9-ROX-040821-EB	Total/NA	Water	8270D	527531
400-201833-4	MW9-ROX-040821	Total/NA	Water	8270D	527531
400-201833-5	MW10-ROX-040821	Total/NA	Water	8270D	527531
400-201833-6	MW27-ROX-040821	Total/NA	Water	8270D	527531
400-201833-7	MW16-ROX-040821	Total/NA	Water	8270D	527531
LCS 400-527531/2-A	Lab Control Sample	Total/NA	Water	8270D	527531

QC Association Summary

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

Job ID: 400-201833-1

GC/MS Semi VOA

Prep Batch: 528560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201833-7	MW16-ROX-040821	Total/NA	Water	3520C	
MB 400-528560/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-528560/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-528560/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-528560/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 528701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-528560/2-A	Lab Control Sample	Total/NA	Water	8270D	528560

Analysis Batch: 528893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-528560/1-A	Method Blank	Total/NA	Water	8270D	528560

Analysis Batch: 528896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-528560/4-A	Lab Control Sample	Total/NA	Water	8270D	528560
LCSD 400-528560/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	528560

Analysis Batch: 529302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201833-7	MW16-ROX-040821	Total/NA	Water	8270D	528560

GC Semi VOA

Prep Batch: 527190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201833-1	TB-ROX-040821-8011	Total/NA	Water	8011	
400-201833-3	MW9-ROX-040821-EB	Total/NA	Water	8011	
400-201833-4	MW9-ROX-040821	Total/NA	Water	8011	
400-201833-5	MW10-ROX-040821	Total/NA	Water	8011	
400-201833-6	MW27-ROX-040821	Total/NA	Water	8011	
400-201833-7	MW16-ROX-040821	Total/NA	Water	8011	
MB 400-527190/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-527190/2-A	Lab Control Sample	Total/NA	Water	8011	
400-201833-7 MS	MW16-ROX-040821	Total/NA	Water	8011	
400-201833-7 MSD	MW16-ROX-040821	Total/NA	Water	8011	

Analysis Batch: 527271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201833-1	TB-ROX-040821-8011	Total/NA	Water	8011	527190
400-201833-3	MW9-ROX-040821-EB	Total/NA	Water	8011	527190
400-201833-4	MW9-ROX-040821	Total/NA	Water	8011	527190
400-201833-5	MW10-ROX-040821	Total/NA	Water	8011	527190
400-201833-6	MW27-ROX-040821	Total/NA	Water	8011	527190
400-201833-7	MW16-ROX-040821	Total/NA	Water	8011	527190
MB 400-527190/1-A	Method Blank	Total/NA	Water	8011	527190
LCS 400-527190/2-A	Lab Control Sample	Total/NA	Water	8011	527190
400-201833-7 MS	MW16-ROX-040821	Total/NA	Water	8011	527190
400-201833-7 MSD	MW16-ROX-040821	Total/NA	Water	8011	527190

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-528587/4
Matrix: Water
Analysis Batch: 528587

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			04/21/21 17:21	1
Acrolein	ND		20	10	ug/L			04/21/21 17:21	1
Acrylonitrile	ND		10	2.8	ug/L			04/21/21 17:21	1
Benzene	ND		1.0	0.38	ug/L			04/21/21 17:21	1
Bromobenzene	ND		1.0	0.54	ug/L			04/21/21 17:21	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/21/21 17:21	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/21/21 17:21	1
Bromoform	ND		5.0	0.71	ug/L			04/21/21 17:21	1
Bromomethane	ND		1.0	0.98	ug/L			04/21/21 17:21	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/21/21 17:21	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/21/21 17:21	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/21/21 17:21	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/21/21 17:21	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/21/21 17:21	1
Chloroethane	ND		1.0	0.76	ug/L			04/21/21 17:21	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/21/21 17:21	1
Chloroform	ND		1.0	0.60	ug/L			04/21/21 17:21	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/21/21 17:21	1
Chloromethane	ND		1.0	0.83	ug/L			04/21/21 17:21	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/21/21 17:21	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/21 17:21	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/21/21 17:21	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/21/21 17:21	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/21/21 17:21	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/21/21 17:21	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/21/21 17:21	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/21/21 17:21	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/21/21 17:21	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/21 17:21	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/21/21 17:21	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/21/21 17:21	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/21/21 17:21	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/21/21 17:21	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/21/21 17:21	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/21/21 17:21	1
2-Hexanone	ND		25	3.1	ug/L			04/21/21 17:21	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/21/21 17:21	1
Methylene bromide	ND		5.0	0.59	ug/L			04/21/21 17:21	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/21/21 17:21	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/21/21 17:21	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/21/21 17:21	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/21/21 17:21	1
Naphthalene	ND		1.0	1.0	ug/L			04/21/21 17:21	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/21/21 17:21	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/21/21 17:21	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/21/21 17:21	1
o-Xylene	ND		5.0	0.60	ug/L			04/21/21 17:21	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/21/21 17:21	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-528587/4
Matrix: Water
Analysis Batch: 528587

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			04/21/21 17:21	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/21/21 17:21	1
Styrene	ND		1.0	1.0	ug/L			04/21/21 17:21	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/21/21 17:21	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/21/21 17:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/21/21 17:21	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/21/21 17:21	1
Toluene	ND		1.0	0.41	ug/L			04/21/21 17:21	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/21/21 17:21	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/21/21 17:21	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/21/21 17:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/21/21 17:21	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/21/21 17:21	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/21/21 17:21	1
Trichloroethene	ND		1.0	0.50	ug/L			04/21/21 17:21	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/21/21 17:21	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/21/21 17:21	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/21/21 17:21	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/21/21 17:21	1
Vinyl acetate	ND		25	2.0	ug/L			04/21/21 17:21	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/21/21 17:21	1
Xylenes, Total	ND		10	1.6	ug/L			04/21/21 17:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/21/21 17:21*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*04/21/21 17:21*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/21/21 17:21*	*1*

Lab Sample ID: LCS 400-528587/1002
Matrix: Water
Analysis Batch: 528587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	241		ug/L		120	43 - 160
Acrolein	500	559		ug/L		112	38 - 160
Acrylonitrile	500	775	*+	ug/L		155	64 - 142
Benzene	50.0	53.6		ug/L		107	70 - 130
Bromobenzene	50.0	52.8		ug/L		106	70 - 132
Bromochloromethane	50.0	57.2		ug/L		114	70 - 130
Bromodichloromethane	50.0	47.9		ug/L		96	67 - 133
Bromoform	50.0	50.2		ug/L		100	57 - 140
Bromomethane	50.0	45.9		ug/L		92	10 - 160
2-Butanone (MEK)	200	218		ug/L		109	61 - 145
Carbon disulfide	50.0	49.4		ug/L		99	61 - 137
Carbon tetrachloride	50.0	56.9		ug/L		114	61 - 137
Chlorobenzene	50.0	51.8		ug/L		104	70 - 130
Dibromochloromethane	50.0	51.0		ug/L		102	67 - 135
Chloroethane	50.0	69.8		ug/L		140	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528587/1002
Matrix: Water
Analysis Batch: 528587

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	54.9		ug/L		110	10 - 160
Chloroform	50.0	52.2		ug/L		104	69 - 130
1-Chlorohexane	50.0	61.4		ug/L		123	69 - 130
Chloromethane	50.0	62.2		ug/L		124	58 - 137
cis-1,2-Dichloroethene	50.0	68.3	*+	ug/L		137	68 - 130
cis-1,3-Dichloropropene	50.0	53.4		ug/L		107	69 - 132
1,2-Dichlorobenzene	50.0	50.8		ug/L		102	67 - 130
1,3-Dichlorobenzene	50.0	52.5		ug/L		105	70 - 130
1,4-Dichlorobenzene	50.0	53.6		ug/L		107	70 - 130
Dichlorodifluoromethane	50.0	64.3		ug/L		129	41 - 146
1,1-Dichloroethane	50.0	71.5	*+	ug/L		143	70 - 130
1,2-Dichloroethane	50.0	61.3		ug/L		123	69 - 130
1,1-Dichloroethene	50.0	51.9		ug/L		104	63 - 134
1,2-Dichloropropane	50.0	66.7	*+	ug/L		133	70 - 130
1,3-Dichloropropane	50.0	48.8		ug/L		98	70 - 130
2,2-Dichloropropane	50.0	54.6		ug/L		109	52 - 135
1,1-Dichloropropene	50.0	53.9		ug/L		108	70 - 130
Ethylbenzene	50.0	47.2		ug/L		94	70 - 130
Ethyl methacrylate	50.0	48.0		ug/L		96	68 - 130
Hexachlorobutadiene	50.0	60.0		ug/L		120	53 - 140
2-Hexanone	200	249		ug/L		125	65 - 137
Isopropylbenzene	50.0	49.1		ug/L		98	70 - 130
Methylene bromide	50.0	49.9		ug/L		100	70 - 130
Methylene Chloride	50.0	50.5		ug/L		101	66 - 135
4-Methyl-2-pentanone (MIBK)	200	275		ug/L		137	69 - 138
Methyl tert-butyl ether	50.0	50.9		ug/L		102	66 - 130
m-Xylene & p-Xylene	50.0	47.6		ug/L		95	70 - 130
Naphthalene	50.0	62.3		ug/L		125	47 - 149
n-Butylbenzene	50.0	46.0		ug/L		92	67 - 130
N-Propylbenzene	50.0	48.5		ug/L		97	70 - 130
o-Chlorotoluene	50.0	43.7		ug/L		87	70 - 130
o-Xylene	50.0	46.4		ug/L		93	70 - 130
p-Chlorotoluene	50.0	45.7		ug/L		91	70 - 130
p-Isopropyltoluene	50.0	52.3		ug/L		105	65 - 130
sec-Butylbenzene	50.0	48.4		ug/L		97	66 - 130
Styrene	50.0	49.4		ug/L		99	70 - 130
tert-Butylbenzene	50.0	47.1		ug/L		94	64 - 139
1,1,1,2-Tetrachloroethane	50.0	53.0		ug/L		106	67 - 131
1,1,2,2-Tetrachloroethane	50.0	43.2		ug/L		86	70 - 131
Tetrachloroethene	50.0	50.6		ug/L		101	65 - 130
Toluene	50.0	47.7		ug/L		95	70 - 130
trans-1,2-Dichloroethene	50.0	54.5		ug/L		109	70 - 130
trans-1,3-Dichloropropene	50.0	48.4		ug/L		97	63 - 130
1,2,3-Trichlorobenzene	50.0	59.1		ug/L		118	60 - 138
1,2,4-Trichlorobenzene	50.0	60.4		ug/L		121	60 - 140
1,1,1-Trichloroethane	50.0	52.8		ug/L		106	68 - 130
1,1,2-Trichloroethane	50.0	46.5		ug/L		93	70 - 130
Trichloroethene	50.0	58.6		ug/L		117	70 - 130
Trichlorofluoromethane	50.0	44.9		ug/L		90	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528587/1002
Matrix: Water
Analysis Batch: 528587

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	47.4		ug/L		95	70 - 130
1,2,4-Trimethylbenzene	50.0	47.7		ug/L		95	70 - 130
1,3,5-Trimethylbenzene	50.0	48.5		ug/L		97	69 - 130
Vinyl acetate	100	102		ug/L		102	26 - 160
Vinyl chloride	50.0	75.4	*+	ug/L		151	59 - 136
Xylenes, Total	100	94.0		ug/L		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: 400-201833-7 MS
Matrix: Water
Analysis Batch: 528587

Client Sample ID: MW16-ROX-040821
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	189		ug/L		94	43 - 150
Acrolein	ND		500	468		ug/L		94	38 - 150
Acrylonitrile	ND	*+	500	631		ug/L		126	62 - 149
Benzene	ND		50.0	46.5		ug/L		93	56 - 142
Bromobenzene	ND		50.0	41.7		ug/L		83	59 - 136
Bromochloromethane	ND		50.0	51.0		ug/L		102	64 - 140
Bromodichloromethane	ND		50.0	43.2		ug/L		86	59 - 143
Bromoform	ND		50.0	41.7		ug/L		83	50 - 140
Bromomethane	ND		50.0	45.9		ug/L		92	10 - 150
2-Butanone (MEK)	ND		200	185		ug/L		93	55 - 150
Carbon disulfide	ND		50.0	41.8		ug/L		84	48 - 150
Carbon tetrachloride	ND		50.0	48.6		ug/L		97	55 - 145
Chlorobenzene	ND		50.0	41.2		ug/L		82	64 - 130
Dibromochloromethane	ND		50.0	42.9		ug/L		86	56 - 143
Chloroethane	ND		50.0	60.8		ug/L		122	50 - 150
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150
Chloroform	ND		50.0	45.6		ug/L		91	60 - 141
1-Chlorohexane	ND		50.0	47.4		ug/L		95	56 - 136
Chloromethane	ND		50.0	54.1		ug/L		108	49 - 148
cis-1,2-Dichloroethene	ND	*+	50.0	59.5		ug/L		119	59 - 143
cis-1,3-Dichloropropene	ND		50.0	45.0		ug/L		90	57 - 140
1,2-Dichlorobenzene	ND		50.0	38.9		ug/L		78	52 - 137
1,3-Dichlorobenzene	ND		50.0	38.6		ug/L		77	54 - 135
1,4-Dichlorobenzene	ND		50.0	40.0		ug/L		80	53 - 135
Dichlorodifluoromethane	ND		50.0	54.3		ug/L		109	16 - 150
1,1-Dichloroethane	ND	*+	50.0	62.6		ug/L		125	61 - 144
1,2-Dichloroethane	ND		50.0	53.2		ug/L		106	60 - 141
1,1-Dichloroethene	ND		50.0	45.0		ug/L		90	54 - 147
1,2-Dichloropropane	ND	*+	50.0	57.7		ug/L		115	66 - 137
1,3-Dichloropropane	ND		50.0	42.1		ug/L		84	66 - 133
2,2-Dichloropropane	ND		50.0	47.7		ug/L		95	42 - 144

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-201833-7 MS
Matrix: Water
Analysis Batch: 528587

Client Sample ID: MW16-ROX-040821
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	46.6		ug/L		93	65 - 136
Ethylbenzene	ND		50.0	37.1		ug/L		74	58 - 131
Ethyl methacrylate	ND		50.0	40.3		ug/L		81	64 - 130
Hexachlorobutadiene	ND		50.0	36.8		ug/L		74	31 - 149
2-Hexanone	ND		200	214		ug/L		107	65 - 140
Isopropylbenzene	ND		50.0	36.4		ug/L		73	56 - 133
Methylene bromide	ND		50.0	43.5		ug/L		87	63 - 138
Methylene Chloride	ND		50.0	42.6		ug/L		85	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	241		ug/L		120	63 - 146
Methyl tert-butyl ether	ND		50.0	44.7		ug/L		89	59 - 137
m-Xylene & p-Xylene	ND		50.0	36.7		ug/L		73	57 - 130
Naphthalene	ND		50.0	50.3		ug/L		101	25 - 150
n-Butylbenzene	ND		50.0	29.1		ug/L		58	41 - 142
N-Propylbenzene	ND		50.0	34.8		ug/L		70	51 - 138
o-Chlorotoluene	ND		50.0	32.4		ug/L		65	53 - 134
o-Xylene	ND		50.0	36.1		ug/L		72	61 - 130
p-Chlorotoluene	ND		50.0	34.1		ug/L		68	54 - 133
p-Isopropyltoluene	ND		50.0	36.1		ug/L		72	48 - 139
sec-Butylbenzene	ND		50.0	33.9		ug/L		68	50 - 138
Styrene	ND		50.0	38.1		ug/L		76	58 - 131
tert-Butylbenzene	ND		50.0	34.0		ug/L		68	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	43.5		ug/L		87	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	37.1		ug/L		74	66 - 135
Tetrachloroethene	ND		50.0	39.8		ug/L		80	52 - 133
Toluene	ND		50.0	39.7		ug/L		79	65 - 130
trans-1,2-Dichloroethene	ND		50.0	45.4		ug/L		91	61 - 143
trans-1,3-Dichloropropene	ND		50.0	40.8		ug/L		82	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	44.5		ug/L		89	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	43.1		ug/L		86	39 - 148
1,1,1-Trichloroethane	ND		50.0	44.2		ug/L		88	57 - 142
1,1,2-Trichloroethane	ND		50.0	38.7		ug/L		77	66 - 131
Trichloroethene	ND		50.0	50.0		ug/L		100	64 - 136
Trichlorofluoromethane	ND		50.0	50.0		ug/L		100	54 - 150
1,2,3-Trichloropropane	ND		50.0	38.8		ug/L		78	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	35.4		ug/L		71	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	35.4		ug/L		71	52 - 135
Vinyl acetate	ND		100	83.4		ug/L		83	26 - 150
Vinyl chloride	ND	*+	50.0	63.8		ug/L		128	46 - 150
Xylenes, Total	ND		100	72.9		ug/L		73	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*92*		*80 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-201833-7 MSD
Matrix: Water
Analysis Batch: 528587

Client Sample ID: MW16-ROX-040821
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	201		ug/L		100	43 - 150	6	30
Acrolein	ND		500	538		ug/L		108	38 - 150	14	31
Acrylonitrile	ND	*+	500	698		ug/L		140	62 - 149	10	30
Benzene	ND		50.0	47.3		ug/L		95	56 - 142	2	30
Bromobenzene	ND		50.0	37.7		ug/L		75	59 - 136	10	30
Bromochloromethane	ND		50.0	52.0		ug/L		104	64 - 140	2	30
Bromodichloromethane	ND		50.0	43.6		ug/L		87	59 - 143	1	30
Bromoform	ND		50.0	42.3		ug/L		85	50 - 140	1	30
Bromomethane	ND		50.0	51.5		ug/L		103	10 - 150	11	50
2-Butanone (MEK)	ND		200	200		ug/L		100	55 - 150	7	30
Carbon disulfide	ND		50.0	43.3		ug/L		87	48 - 150	4	30
Carbon tetrachloride	ND		50.0	50.9		ug/L		102	55 - 145	5	30
Chlorobenzene	ND		50.0	39.4		ug/L		79	64 - 130	4	30
Dibromochloromethane	ND		50.0	44.1		ug/L		88	56 - 143	3	30
Chloroethane	ND		50.0	64.0		ug/L		128	50 - 150	5	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	46.5		ug/L		93	60 - 141	2	30
1-Chlorohexane	ND		50.0	43.6		ug/L		87	56 - 136	8	30
Chloromethane	ND		50.0	58.9		ug/L		118	49 - 148	8	31
cis-1,2-Dichloroethene	ND	*+	50.0	61.0		ug/L		122	59 - 143	3	30
cis-1,3-Dichloropropene	ND		50.0	46.7		ug/L		93	57 - 140	4	30
1,2-Dichlorobenzene	ND		50.0	34.4		ug/L		69	52 - 137	13	30
1,3-Dichlorobenzene	ND		50.0	32.8		ug/L		66	54 - 135	16	30
1,4-Dichlorobenzene	ND		50.0	33.4		ug/L		67	53 - 135	18	30
Dichlorodifluoromethane	ND		50.0	58.7		ug/L		117	16 - 150	8	31
1,1-Dichloroethane	ND	*+	50.0	64.3		ug/L		129	61 - 144	3	30
1,2-Dichloroethane	ND		50.0	55.8		ug/L		112	60 - 141	5	30
1,1-Dichloroethene	ND		50.0	47.3		ug/L		95	54 - 147	5	30
1,2-Dichloropropane	ND	*+	50.0	58.8		ug/L		118	66 - 137	2	30
1,3-Dichloropropane	ND		50.0	43.0		ug/L		86	66 - 133	2	30
2,2-Dichloropropane	ND		50.0	49.0		ug/L		98	42 - 144	3	31
1,1-Dichloropropene	ND		50.0	46.5		ug/L		93	65 - 136	0	30
Ethylbenzene	ND		50.0	34.5		ug/L		69	58 - 131	7	30
Ethyl methacrylate	ND		50.0	42.7		ug/L		85	64 - 130	6	30
Hexachlorobutadiene	ND		50.0	25.8		ug/L		52	31 - 149	35	36
2-Hexanone	ND		200	220		ug/L		110	65 - 140	3	30
Isopropylbenzene	ND		50.0	32.9		ug/L		66	56 - 133	10	30
Methylene bromide	ND		50.0	44.9		ug/L		90	63 - 138	3	30
Methylene Chloride	ND		50.0	45.0		ug/L		90	60 - 146	5	32
4-Methyl-2-pentanone (MIBK)	ND		200	256		ug/L		128	63 - 146	6	30
Methyl tert-butyl ether	ND		50.0	47.5		ug/L		95	59 - 137	6	30
m-Xylene & p-Xylene	ND		50.0	32.9		ug/L		66	57 - 130	11	30
Naphthalene	ND		50.0	48.3		ug/L		97	25 - 150	4	30
n-Butylbenzene	ND		50.0	22.9		ug/L		46	41 - 142	24	31
N-Propylbenzene	ND		50.0	29.3		ug/L		59	51 - 138	17	30
o-Chlorotoluene	ND		50.0	29.4		ug/L		59	53 - 134	10	30
o-Xylene	ND		50.0	33.4		ug/L		67	61 - 130	8	30
p-Chlorotoluene	ND		50.0	29.0		ug/L		58	54 - 133	16	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-201833-7 MSD
Matrix: Water
Analysis Batch: 528587

Client Sample ID: MW16-ROX-040821
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	28.8		ug/L		58	48 - 139	23	30
sec-Butylbenzene	ND		50.0	27.9		ug/L		56	50 - 138	20	30
Styrene	ND		50.0	35.7		ug/L		71	58 - 131	6	30
tert-Butylbenzene	ND		50.0	29.3		ug/L		59	54 - 146	15	30
1,1,1,2-Tetrachloroethane	ND		50.0	43.3		ug/L		87	59 - 137	1	30
1,1,2,2-Tetrachloroethane	ND		50.0	38.0		ug/L		76	66 - 135	3	30
Tetrachloroethene	ND		50.0	37.9		ug/L		76	52 - 133	5	30
Toluene	ND		50.0	38.0		ug/L		76	65 - 130	5	30
trans-1,2-Dichloroethene	ND		50.0	48.7		ug/L		97	61 - 143	7	30
trans-1,3-Dichloropropene	ND		50.0	42.4		ug/L		85	53 - 133	4	30
1,2,3-Trichlorobenzene	ND		50.0	37.3		ug/L		75	43 - 145	18	30
1,2,4-Trichlorobenzene	ND		50.0	34.6		ug/L		69	39 - 148	22	30
1,1,1-Trichloroethane	ND		50.0	45.9		ug/L		92	57 - 142	4	30
1,1,2-Trichloroethane	ND		50.0	41.8		ug/L		84	66 - 131	8	30
Trichloroethene	ND		50.0	49.1		ug/L		98	64 - 136	2	30
Trichlorofluoromethane	ND		50.0	52.5		ug/L		105	54 - 150	5	30
1,2,3-Trichloropropane	ND		50.0	40.9		ug/L		82	65 - 133	5	30
1,2,4-Trimethylbenzene	ND		50.0	28.3		ug/L		57	50 - 139	22	30
1,3,5-Trimethylbenzene	ND		50.0	29.0		ug/L		58	52 - 135	20	30
Vinyl acetate	ND		100	95.8		ug/L		96	26 - 150	14	33
Vinyl chloride	ND	*+	50.0	71.0		ug/L		142	46 - 150	11	30
Xylenes, Total	ND		100	66.3		ug/L		66	59 - 130	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*93*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	66.2		ug/L		55	21 - 120
Benzoic acid	502	274		ug/L		55	10 - 144
Benzyl alcohol	120	66.7		ug/L		56	28 - 120
Bis(2-chloroethoxy)methane	120	55.9		ug/L		47	47 - 120
Bis(2-chloroethyl)ether	120	54.0		ug/L		45	44 - 120
bis (2-chloroisopropyl) ether	120	59.3		ug/L		49	33 - 121
Bis(2-ethylhexyl) phthalate	120	70.6		ug/L		59	52 - 147
4-Bromophenyl phenyl ether	120	70.2		ug/L		59	54 - 122
Butyl benzyl phthalate	120	74.9		ug/L		62	54 - 133
4-Chloroaniline	120	53.1		ug/L		44	26 - 120
4-Chloro-3-methylphenol	120	73.5		ug/L		61	48 - 131
2-Chloronaphthalene	120	62.7		ug/L		52	52 - 121
2-Chlorophenol	120	52.9		ug/L		44	40 - 120
4-Chlorophenyl phenyl ether	120	69.8		ug/L		58	56 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenz[a,h]acridine	120	97.2		ug/L		81	31 - 150
Dibenzofuran	120	67.3		ug/L		56	56 - 122
3,3'-Dichlorobenzidine	160	165		ug/L		103	36 - 132
2,4-Dichlorophenol	120	62.3		ug/L		52	49 - 120
Diethyl phthalate	120	72.5		ug/L		60	50 - 137
2,4-Dimethylphenol	120	65.1		ug/L		54	48 - 120
Dimethyl phthalate	120	70.2		ug/L		58	57 - 124
Di-n-butyl phthalate	120	80.7		ug/L		67	58 - 126
4,6-Dinitro-ortho-cresol	240	150		ug/L		63	23 - 148
2,4-Dinitrophenol	240	184		ug/L		77	10 - 150
2,4-Dinitrotoluene	120	75.4		ug/L		63	54 - 142
2,6-Dinitrotoluene	120	72.1		ug/L		60	55 - 130
Di-n-octyl phthalate	120	67.6	*-	ug/L		56	57 - 138
1,4-Dioxane	120	43.7		ug/L		36	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	62.9		ug/L		52	45 - 124
Hexachlorobenzene	120	75.2		ug/L		63	52 - 129
Hexachlorocyclopentadiene	120	47.3		ug/L		39	10 - 134
Hexachloroethane	120	66.2		ug/L		55	20 - 120
Indene	120	99.5		ug/L		83	49 - 120
Isophorone	120	60.5		ug/L		50	48 - 120
2-Methylphenol	120	69.7		ug/L		58	46 - 124
3 & 4 Methylphenol	120	61.8		ug/L		52	45 - 120
2-Nitroaniline	120	66.8		ug/L		56	51 - 145
3-Nitroaniline	120	60.5		ug/L		50	37 - 127
4-Nitroaniline	120	55.0		ug/L		46	36 - 137
Nitrobenzene	120	57.2		ug/L		48	45 - 120
2-Nitrophenol	120	65.3		ug/L		54	40 - 124
4-Nitrophenol	240	139		ug/L		58	23 - 146
N-Nitrosodimethylamine	120	68.8		ug/L		57	29 - 137
N-Nitrosodi-n-propylamine	120	66.4		ug/L		55	45 - 120
N-Nitrosodiphenylamine	119	63.8		ug/L		54	54 - 120
Pentachlorophenol	240	126		ug/L		52	31 - 130
Phenol	120	52.3		ug/L		44	11 - 120
Pyridine	240	88.3		ug/L		37	16 - 120
Quinoline	120	105		ug/L		88	49 - 130
2,4,5-Trichlorophenol	120	69.8		ug/L		58	51 - 136
2,4,6-Trichlorophenol	120	65.2		ug/L		54	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*46 - 124*
2-Fluorophenol	*40*		*13 - 113*
Nitrobenzene-d5	*84*		*36 - 126*
Phenol-d5	*76*		*17 - 127*
Terphenyl-d14	*97*		*44 - 149*
2,4,6-Tribromophenol	*96*		*26 - 150*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-201833-7 MS
Matrix: Water
Analysis Batch: 527703

Client Sample ID: MW16-ROX-040821
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND		113	63.1		ug/L		56	10 - 120
Benzoic acid	ND		472	274		ug/L		58	10 - 149
Benzyl alcohol	ND		113	57.6		ug/L		51	33 - 120
Bis(2-chloroethoxy)methane	ND		113	49.5		ug/L		44	26 - 120
Bis(2-chloroethyl)ether	ND		113	47.6		ug/L		42	42 - 120
bis (2-chloroisopropyl) ether	ND		113	52.5		ug/L		47	28 - 120
Bis(2-ethylhexyl) phthalate	ND		113	61.4		ug/L		54	39 - 120
4-Bromophenyl phenyl ether	ND		113	60.6		ug/L		54	40 - 120
Butyl benzyl phthalate	ND		113	64.9		ug/L		58	45 - 120
4-Chloroaniline	ND		113	50.3		ug/L		45	10 - 120
4-Chloro-3-methylphenol	ND		113	61.3		ug/L		54	34 - 120
2-Chloronaphthalene	ND		113	55.2		ug/L		49	39 - 120
2-Chlorophenol	ND	F2	113	37.1		ug/L		33	25 - 120
4-Chlorophenyl phenyl ether	ND		113	61.0		ug/L		54	44 - 120
Dibenz[a,h]acridine	ND		113	81.2		ug/L		72	50 - 150
Dibenzofuran	ND		113	58.6		ug/L		52	25 - 130
3,3'-Dichlorobenzidine	ND		150	111		ug/L		74	10 - 120
2,4-Dichlorophenol	ND		113	48.4		ug/L		43	31 - 120
Diethyl phthalate	ND		113	63.5		ug/L		56	46 - 120
2,4-Dimethylphenol	ND		113	56.6		ug/L		50	21 - 120
Dimethyl phthalate	ND		113	60.9		ug/L		54	38 - 120
Di-n-butyl phthalate	ND		113	69.8		ug/L		62	49 - 120
4,6-Dinitro-ortho-cresol	ND		226	114		ug/L		51	25 - 120
2,4-Dinitrophenol	ND		226	144		ug/L		64	15 - 140
2,4-Dinitrotoluene	ND		113	65.4		ug/L		58	53 - 120
2,6-Dinitrotoluene	ND		113	62.6		ug/L		55	43 - 120
Di-n-octyl phthalate	ND	*-	113	59.3		ug/L		53	35 - 121
1,4-Dioxane	ND	F1	113	32.6	F1	ug/L		29	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND	F1	113	54.6	F1	ug/L		48	50 - 150
Hexachlorobenzene	ND		113	64.5		ug/L		57	38 - 122
Hexachlorocyclopentadiene	ND		113	45.2		ug/L		40	10 - 120
Hexachloroethane	ND		113	57.1		ug/L		51	10 - 150
Indene	ND		113	87.5		ug/L		78	50 - 150
Isophorone	ND		113	53.8		ug/L		48	42 - 120
2-Methylphenol	ND		113	57.8		ug/L		51	28 - 120
3 & 4 Methylphenol	ND		113	50.1		ug/L		44	31 - 120
2-Nitroaniline	ND	F1	113	46.2	F1	ug/L		41	45 - 120
3-Nitroaniline	ND		113	48.2		ug/L		43	10 - 130
4-Nitroaniline	ND		113	38.7		ug/L		34	10 - 132
Nitrobenzene	ND		113	61.8		ug/L		55	39 - 120
2-Nitrophenol	ND		113	48.7		ug/L		43	33 - 120
4-Nitrophenol	ND		226	121		ug/L		54	10 - 120
N-Nitrosodimethylamine	ND		113	55.0		ug/L		49	10 - 139
N-Nitrosodi-n-propylamine	ND		113	59.0		ug/L		52	37 - 124
N-Nitrosodiphenylamine	ND		112	55.1		ug/L		49	10 - 150
Pentachlorophenol	ND		226	97.8		ug/L		43	29 - 130
Phenol	ND		113	38.9		ug/L		35	10 - 150
Pyridine	ND		226	77.6		ug/L		34	10 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-201833-7 MS
Matrix: Water
Analysis Batch: 527703

Client Sample ID: MW16-ROX-040821
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Quinoline	ND		113	91.6		ug/L		81	51 - 120
2,4,5-Trichlorophenol	ND		113	56.7		ug/L		50	34 - 120
2,4,6-Trichlorophenol	ND		113	50.0		ug/L		44	33 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*46 - 124*
2-Fluorophenol	*25*		*13 - 113*
Nitrobenzene-d5	*76*		*36 - 126*
Phenol-d5	*58*		*17 - 127*
Terphenyl-d14	*87*		*44 - 149*
2,4,6-Tribromophenol	*80*		*26 - 150*

Lab Sample ID: 400-201833-7 MSD
Matrix: Water
Analysis Batch: 527703

Client Sample ID: MW16-ROX-040821
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND		113	70.2		ug/L		62	10 - 120	11	63
Benzoic acid	ND		475	344		ug/L		72	10 - 149	23	49
Benzyl alcohol	ND		113	63.2		ug/L		56	33 - 120	9	37
Bis(2-chloroethoxy)methane	ND		113	53.5		ug/L		47	26 - 120	8	70
Bis(2-chloroethyl)ether	ND		113	49.7		ug/L		44	42 - 120	4	42
bis (2-chloroisopropyl) ether	ND		113	56.2		ug/L		50	28 - 120	7	41
Bis(2-ethylhexyl) phthalate	ND		113	66.6		ug/L		59	39 - 120	8	35
4-Bromophenyl phenyl ether	ND		113	65.8		ug/L		58	40 - 120	8	30
Butyl benzyl phthalate	ND		113	72.7		ug/L		64	45 - 120	11	32
4-Chloroaniline	ND		113	55.6		ug/L		49	10 - 120	10	94
4-Chloro-3-methylphenol	ND		113	69.9		ug/L		62	34 - 120	13	40
2-Chloronaphthalene	ND		113	60.0		ug/L		53	39 - 120	8	29
2-Chlorophenol	ND	F2	113	57.2	F2	ug/L		50	25 - 120	43	42
4-Chlorophenyl phenyl ether	ND		113	64.8		ug/L		57	44 - 120	6	27
Dibenz[a,h]acridine	ND		113	90.7		ug/L		80	50 - 150	11	40
Dibenzofuran	ND		113	63.2		ug/L		56	25 - 130	8	29
3,3'-Dichlorobenzidine	ND		151	120		ug/L		79	10 - 120	8	58
2,4-Dichlorophenol	ND		113	63.1		ug/L		56	31 - 120	26	43
Diethyl phthalate	ND		113	68.6		ug/L		60	46 - 120	8	40
2,4-Dimethylphenol	ND		113	61.5		ug/L		54	21 - 120	8	47
Dimethyl phthalate	ND		113	66.4		ug/L		59	38 - 120	9	36
Di-n-butyl phthalate	ND		113	76.1		ug/L		67	49 - 120	9	32
4,6-Dinitro-ortho-cresol	ND		227	137		ug/L		60	25 - 120	18	42
2,4-Dinitrophenol	ND		227	163		ug/L		72	15 - 140	12	36
2,4-Dinitrotoluene	ND		113	72.4		ug/L		64	53 - 120	10	28
2,6-Dinitrotoluene	ND		113	67.5		ug/L		59	43 - 120	8	28
Di-n-octyl phthalate	ND	*-	113	62.7		ug/L		55	35 - 121	6	35
1,4-Dioxane	ND	F1	113	39.3	F1	ug/L		35	50 - 150	19	40
1,2-Diphenylhydrazine (as Azobenzene)	ND	F1	113	60.3		ug/L		53	50 - 150	10	40
Hexachlorobenzene	ND		113	70.1		ug/L		62	38 - 122	8	33
Hexachlorocyclopentadiene	ND		113	50.5		ug/L		44	10 - 120	11	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-201833-7 MSD
Matrix: Water
Analysis Batch: 527703

Client Sample ID: MW16-ROX-040821
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachloroethane	ND		113	62.8		ug/L		55	10 - 150	10	41
Indene	ND		113	94.6		ug/L		83	50 - 150	8	40
Isophorone	ND		113	57.9		ug/L		51	42 - 120	7	33
2-Methylphenol	ND		113	69.1		ug/L		61	28 - 120	18	47
3 & 4 Methylphenol	ND		113	61.4		ug/L		54	31 - 120	20	47
2-Nitroaniline	ND	F1	113	47.7	F1	ug/L		42	45 - 120	3	33
3-Nitroaniline	ND		113	54.2		ug/L		48	10 - 130	12	39
4-Nitroaniline	ND		113	40.7		ug/L		36	10 - 132	5	50
Nitrobenzene	ND		113	69.7		ug/L		61	39 - 120	12	35
2-Nitrophenol	ND		113	67.2		ug/L		59	33 - 120	32	43
4-Nitrophenol	ND		227	137		ug/L		61	10 - 120	13	82
N-Nitrosodimethylamine	ND		113	62.0		ug/L		55	10 - 139	12	62
N-Nitrosodi-n-propylamine	ND		113	64.0		ug/L		56	37 - 124	8	36
N-Nitrosodiphenylamine	ND		113	60.5		ug/L		54	10 - 150	9	34
Pentachlorophenol	ND		227	114		ug/L		50	29 - 130	15	42
Phenol	ND		113	54.3		ug/L		48	10 - 150	33	52
Pyridine	ND		227	89.3		ug/L		39	10 - 120	14	55
Quinoline	ND		113	102		ug/L		90	51 - 120	10	40
2,4,5-Trichlorophenol	ND		113	68.5		ug/L		60	34 - 120	19	42
2,4,6-Trichlorophenol	ND		113	62.7		ug/L		55	33 - 120	23	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*79*		*46 - 124*
2-Fluorophenol	*51*		*13 - 113*
Nitrobenzene-d5	*81*		*36 - 126*
Phenol-d5	*80*		*17 - 127*
Terphenyl-d14	*95*		*44 - 149*
2,4,6-Tribromophenol	*95*		*26 - 150*

Lab Sample ID: MB 400-528560/1-A
Matrix: Water
Analysis Batch: 528893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		04/21/21 14:02	04/23/21 15:36	1
Benzenethiol	ND		10	1.7	ug/L		04/21/21 14:02	04/23/21 15:36	1
Benzoic acid	ND		30	7.3	ug/L		04/21/21 14:02	04/23/21 15:36	1
Benzyl alcohol	ND		10	2.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/21/21 14:02	04/23/21 15:36	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/21/21 14:02	04/23/21 15:36	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/21/21 14:02	04/23/21 15:36	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/21/21 14:02	04/23/21 15:36	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/21/21 14:02	04/23/21 15:36	1
4-Chloroaniline	ND		10	3.4	ug/L		04/21/21 14:02	04/23/21 15:36	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		04/21/21 14:02	04/23/21 15:36	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/21/21 14:02	04/23/21 15:36	1
2-Chlorophenol	ND		10	2.2	ug/L		04/21/21 14:02	04/23/21 15:36	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-528560/1-A
Matrix: Water
Analysis Batch: 528893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Dibenzofuran	ND		10	0.17	ug/L		04/21/21 14:02	04/23/21 15:36	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Diethyl phthalate	ND		10	0.24	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		04/21/21 14:02	04/23/21 15:36	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/21/21 14:02	04/23/21 15:36	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/21/21 14:02	04/23/21 15:36	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/21/21 14:02	04/23/21 15:36	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/21/21 14:02	04/23/21 15:36	1
1,4-Dioxane	ND		10	1.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/21/21 14:02	04/23/21 15:36	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/21/21 14:02	04/23/21 15:36	1
Hexachloroethane	ND		10	4.2	ug/L		04/21/21 14:02	04/23/21 15:36	1
Indene	ND		10	1.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Isophorone	ND		10	0.14	ug/L		04/21/21 14:02	04/23/21 15:36	1
2-Methylphenol	ND		10	1.8	ug/L		04/21/21 14:02	04/23/21 15:36	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/21/21 14:02	04/23/21 15:36	1
2-Nitroaniline	ND		10	2.2	ug/L		04/21/21 14:02	04/23/21 15:36	1
3-Nitroaniline	ND		10	1.8	ug/L		04/21/21 14:02	04/23/21 15:36	1
4-Nitroaniline	ND		10	1.5	ug/L		04/21/21 14:02	04/23/21 15:36	1
Nitrobenzene	ND		10	0.13	ug/L		04/21/21 14:02	04/23/21 15:36	1
2-Nitrophenol	ND		10	5.2	ug/L		04/21/21 14:02	04/23/21 15:36	1
4-Nitrophenol	ND		10	2.1	ug/L		04/21/21 14:02	04/23/21 15:36	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		04/21/21 14:02	04/23/21 15:36	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		04/21/21 14:02	04/23/21 15:36	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/21/21 14:02	04/23/21 15:36	1
Pentachlorophenol	ND		20	1.4	ug/L		04/21/21 14:02	04/23/21 15:36	1
Phenol	ND		10	2.6	ug/L		04/21/21 14:02	04/23/21 15:36	1
Pyridine	ND		10	3.2	ug/L		04/21/21 14:02	04/23/21 15:36	1
Quinoline	ND		10	4.5	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/21/21 14:02	04/23/21 15:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*46 - 124*	*04/21/21 14:02*	*04/23/21 15:36*	*1*
2-Fluorophenol	*66*		*13 - 113*	*04/21/21 14:02*	*04/23/21 15:36*	*1*
Nitrobenzene-d5	*82*		*36 - 126*	*04/21/21 14:02*	*04/23/21 15:36*	*1*
Phenol-d5	*87*		*17 - 127*	*04/21/21 14:02*	*04/23/21 15:36*	*1*
Terphenyl-d14	*110*		*44 - 149*	*04/21/21 14:02*	*04/23/21 15:36*	*1*
2,4,6-Tribromophenol	*78*		*26 - 150*	*04/21/21 14:02*	*04/23/21 15:36*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528560/2-A
Matrix: Water
Analysis Batch: 528701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	80.0	66.1		ug/L		83	21 - 120
Benzoic acid	502	187		ug/L		37	10 - 144
Benzyl alcohol	80.0	71.5		ug/L		89	28 - 120
Bis(2-chloroethoxy)methane	80.0	56.9		ug/L		71	47 - 120
Bis(2-chloroethyl)ether	80.0	53.9		ug/L		67	44 - 120
bis (2-chloroisopropyl) ether	80.0	57.7		ug/L		72	33 - 121
Bis(2-ethylhexyl) phthalate	80.0	83.6		ug/L		105	52 - 147
4-Bromophenyl phenyl ether	80.0	75.8		ug/L		95	54 - 122
Butyl benzyl phthalate	80.0	89.2		ug/L		112	54 - 133
4-Chloroaniline	80.0	48.7		ug/L		61	26 - 120
4-Chloro-3-methylphenol	80.0	75.9		ug/L		95	48 - 131
2-Chloronaphthalene	80.0	65.6		ug/L		82	52 - 121
2-Chlorophenol	80.0	61.9		ug/L		77	40 - 120
4-Chlorophenyl phenyl ether	80.0	73.9		ug/L		92	56 - 125
Dibenz[a,h]acridine	120	103		ug/L		86	31 - 150
Dibenzofuran	80.0	70.5		ug/L		88	56 - 122
3,3'-Dichlorobenzidine	160	149		ug/L		93	36 - 132
2,4-Dichlorophenol	80.0	67.3		ug/L		84	49 - 120
Diethyl phthalate	80.0	78.7		ug/L		98	50 - 137
2,4-Dimethylphenol	80.0	64.5		ug/L		81	48 - 120
Dimethyl phthalate	80.0	73.8		ug/L		92	57 - 124
Di-n-butyl phthalate	80.0	84.5		ug/L		106	58 - 126
4,6-Dinitro-ortho-cresol	160	108		ug/L		68	23 - 148
2,4-Dinitrophenol	160	146		ug/L		91	10 - 150
2,4-Dinitrotoluene	80.0	78.1		ug/L		98	54 - 142
2,6-Dinitrotoluene	80.0	74.9		ug/L		94	55 - 130
Di-n-octyl phthalate	80.0	79.1		ug/L		99	57 - 138
1,4-Dioxane	80.0	45.9		ug/L		57	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	80.0	63.9		ug/L		80	45 - 124
Hexachlorobenzene	80.0	82.2		ug/L		103	52 - 129
Hexachlorocyclopentadiene	80.0	45.9		ug/L		57	10 - 134
Hexachloroethane	80.0	65.6		ug/L		82	20 - 120
Indene	120	106		ug/L		89	49 - 120
Isophorone	80.0	60.4		ug/L		76	48 - 120
2-Methylphenol	80.0	72.4		ug/L		91	46 - 124
3 & 4 Methylphenol	80.0	68.1		ug/L		85	45 - 120
2-Nitroaniline	80.0	65.7		ug/L		82	51 - 145
3-Nitroaniline	80.0	54.4		ug/L		68	37 - 127
4-Nitroaniline	80.0	52.5		ug/L		66	36 - 137
Nitrobenzene	80.0	56.8		ug/L		71	45 - 120
2-Nitrophenol	80.0	71.1		ug/L		89	40 - 124
4-Nitrophenol	160	134		ug/L		83	23 - 146
N-Nitrosodimethylamine	80.0	60.8		ug/L		76	29 - 137
N-Nitrosodi-n-propylamine	80.0	70.4		ug/L		88	45 - 120
N-Nitrosodiphenylamine	79.4	66.7		ug/L		84	54 - 120
Pentachlorophenol	160	130		ug/L		82	31 - 130
Phenol	80.0	58.8		ug/L		73	11 - 120
Pyridine	160	89.1		ug/L		56	16 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528560/2-A
Matrix: Water
Analysis Batch: 528701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Quinoline	120	109		ug/L		91	49 - 130
2,4,5-Trichlorophenol	80.0	75.5		ug/L		94	51 - 136
2,4,6-Trichlorophenol	80.0	71.4		ug/L		89	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*85*		*46 - 124*
2-Fluorophenol	*51*		*13 - 113*
Nitrobenzene-d5	*80*		*36 - 126*
Phenol-d5	*84*		*17 - 127*
Terphenyl-d14	*116*		*44 - 149*
2,4,6-Tribromophenol	*111*		*26 - 150*

Lab Sample ID: LCS 400-528560/4-A
Matrix: Water
Analysis Batch: 528896

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	29.1		ug/L		24	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*58*		*46 - 124*
2-Fluorophenol	*22*		*13 - 113*
Nitrobenzene-d5	*58*		*36 - 126*
Phenol-d5	*51*		*17 - 127*
Terphenyl-d14	*103*		*44 - 149*
2,4,6-Tribromophenol	*75*		*26 - 150*

Lab Sample ID: LCSD 400-528560/5-A
Matrix: Water
Analysis Batch: 528896

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	13.9	*1	ug/L		12	10 - 120	71	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*61*		*46 - 124*
2-Fluorophenol	*13*		*13 - 113*
Nitrobenzene-d5	*60*		*36 - 126*
Phenol-d5	*41*		*17 - 127*
Terphenyl-d14	*110*		*44 - 149*
2,4,6-Tribromophenol	*67*		*26 - 150*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-527531/1-A
Matrix: Water
Analysis Batch: 527823

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		04/14/21 10:52	04/16/21 18:28	1
Acenaphthylene	ND		0.20	0.045	ug/L		04/14/21 10:52	04/16/21 18:28	1
Anthracene	ND		0.20	0.032	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/14/21 10:52	04/16/21 18:28	1
Chrysene	ND		0.20	0.074	ug/L		04/14/21 10:52	04/16/21 18:28	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		04/14/21 10:52	04/16/21 18:28	1
Fluoranthene	ND		0.20	0.068	ug/L		04/14/21 10:52	04/16/21 18:28	1
Fluorene	ND		0.20	0.11	ug/L		04/14/21 10:52	04/16/21 18:28	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/14/21 10:52	04/16/21 18:28	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		04/14/21 10:52	04/16/21 18:28	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		04/14/21 10:52	04/16/21 18:28	1
Phenanthrene	ND		0.20	0.036	ug/L		04/14/21 10:52	04/16/21 18:28	1
Pyrene	ND		0.20	0.040	ug/L		04/14/21 10:52	04/16/21 18:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*15 - 122*	*04/14/21 10:52*	*04/16/21 18:28*	*1*
Nitrobenzene-d5	*89*		*19 - 130*	*04/14/21 10:52*	*04/16/21 18:28*	*1*
Terphenyl-d14	*105*		*33 - 138*	*04/14/21 10:52*	*04/16/21 18:28*	*1*

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527823

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	69.1		ug/L		58	41 - 120
Acenaphthylene	120	65.6		ug/L		55	44 - 120
Anthracene	120	69.7		ug/L		58	49 - 120
Benzo[a]anthracene	120	74.7		ug/L		62	61 - 135
Benzo[a]pyrene	120	78.9		ug/L		66	52 - 120
Benzo[b]fluoranthene	120	82.3		ug/L		69	53 - 134
Benzo[g,h,i]perylene	120	87.3		ug/L		73	47 - 133
Benzo[k]fluoranthene	120	73.2		ug/L		61	57 - 134
Chrysene	120	74.2		ug/L		62	55 - 122
Dibenz(a,h)anthracene	120	89.8		ug/L		75	48 - 146
Fluoranthene	120	77.6		ug/L		65	54 - 128
Fluorene	120	73.8		ug/L		61	45 - 125
Indeno[1,2,3-cd]pyrene	120	91.6		ug/L		76	43 - 142
1-Methylnaphthalene	120	67.3		ug/L		56	41 - 120
2-Methylnaphthalene	120	69.9		ug/L		58	32 - 124
Phenanthrene	120	77.6		ug/L		65	48 - 120
Pyrene	120	71.3		ug/L		59	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*93*		*15 - 122*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527823

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	94		19 - 130
Terphenyl-d14	105		33 - 138

Lab Sample ID: 400-201833-7 MS
Matrix: Water
Analysis Batch: 527823

Client Sample ID: MW16-ROX-040821
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		113	67.1		ug/L		60	35 - 113
Acenaphthylene	ND		113	61.4		ug/L		54	41 - 118
Anthracene	ND		113	67.3		ug/L		60	45 - 122
Benzo[a]anthracene	ND		113	67.2		ug/L		60	55 - 133
Benzo[a]pyrene	ND		113	61.7		ug/L		55	50 - 108
Benzo[b]fluoranthene	ND		113	75.6		ug/L		67	50 - 128
Benzo[g,h,i]perylene	ND		113	73.2		ug/L		65	46 - 133
Benzo[k]fluoranthene	ND		113	65.7		ug/L		58	52 - 128
Chrysene	ND		113	61.4		ug/L		54	52 - 116
Dibenz(a,h)anthracene	ND		113	83.7		ug/L		74	52 - 143
Fluoranthene	ND		113	66.4		ug/L		59	32 - 150
Fluorene	ND		113	75.5		ug/L		67	15 - 150
Indeno[1,2,3-cd]pyrene	ND		113	79.6		ug/L		71	41 - 141
1-Methylnaphthalene	ND		113	60.5		ug/L		54	10 - 150
2-Methylnaphthalene	ND		113	60.2		ug/L		53	10 - 150
Phenanthrene	ND		113	66.9		ug/L		59	36 - 125
Pyrene	ND		113	61.0		ug/L		54	41 - 127

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	92		15 - 122
Nitrobenzene-d5	91		19 - 130
Terphenyl-d14	94		33 - 138

Lab Sample ID: 400-201833-7 MSD
Matrix: Water
Analysis Batch: 527823

Client Sample ID: MW16-ROX-040821
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		113	67.9		ug/L		60	35 - 113	1	49
Acenaphthylene	ND		113	71.0		ug/L		63	41 - 118	15	48
Anthracene	ND		113	78.6		ug/L		69	45 - 122	15	56
Benzo[a]anthracene	ND		113	66.4		ug/L		59	55 - 133	1	57
Benzo[a]pyrene	ND		113	75.3		ug/L		66	50 - 108	20	59
Benzo[b]fluoranthene	ND		113	77.1		ug/L		68	50 - 128	2	62
Benzo[g,h,i]perylene	ND		113	73.7		ug/L		65	46 - 133	1	58
Benzo[k]fluoranthene	ND		113	67.9		ug/L		60	52 - 128	3	58
Chrysene	ND		113	71.4		ug/L		63	52 - 116	15	59
Dibenz(a,h)anthracene	ND		113	93.6		ug/L		82	52 - 143	11	60
Fluoranthene	ND		113	80.3		ug/L		71	32 - 150	19	59
Fluorene	ND		113	76.9		ug/L		68	15 - 150	2	49

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 400-201833-7 MSD
Matrix: Water
Analysis Batch: 527823

Client Sample ID: MW16-ROX-040821
Prep Type: Total/NA
Prep Batch: 527531

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		113	86.9		ug/L		77	41 - 141	9	58
1-Methylnaphthalene	ND		113	61.6		ug/L		54	10 - 150	2	66
2-Methylnaphthalene	ND		113	61.2		ug/L		54	10 - 150	2	66
Phenanthrene	ND		113	75.6		ug/L		67	36 - 125	12	69
Pyrene	ND		113	67.7		ug/L		60	41 - 127	10	58

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*94*		*15 - 122*
Nitrobenzene-d5	*101*		*19 - 130*
Terphenyl-d14	*89*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-527190/1-A
Matrix: Water
Analysis Batch: 527271

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527190

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		04/12/21 09:43	04/12/21 14:49	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/12/21 09:43	04/12/21 14:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*	*p*	*51 - 149*	*04/12/21 09:43*	*04/12/21 14:49*	*1*

Lab Sample ID: LCS 400-527190/2-A
Matrix: Water
Analysis Batch: 527271

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527190

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.124	p	ug/L		123	60 - 140
1,2-Dibromoethane	0.101	0.123	p	ug/L		122	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*	*p*	*51 - 149*

Lab Sample ID: 400-201833-7 MS
Matrix: Water
Analysis Batch: 527271

Client Sample ID: MW16-ROX-040821
Prep Type: Total/NA
Prep Batch: 527190

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND	F2	0.106	0.133		ug/L		125	65 - 135
1,2-Dibromoethane	ND	F2 F1 *+	0.106	0.128	p	ug/L		121	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*109*	*p*	*51 - 149*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: 400-201833-7 MSD
Matrix: Water
Analysis Batch: 527271

Client Sample ID: MW16-ROX-040821
Prep Type: Total/NA
Prep Batch: 527190

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	F2 F1 *+	0.103	0.124	p F2	ug/L		120	65 - 135	45	20
1,2-Dibromoethane	ND	F2 F1 *+	0.103	0.119	p	ug/L		116	65 - 135	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*112*	*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 (_____)

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	☐ CHECK IF NO INCIDENT # APPLIES
Bob Mooshegian	25278	DATE: 4/8/21
PO #	**GSAP Project ID**	PAGE: 1 of 1
60648474 – 3.2.2F	USPC/00114/R/02	

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 – 3.2.2F
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): Aaron Oliver, Tony Jones
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
60648474 – 3.2.2F

400-201833 COC

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270LL	FIELD NOTES: Container PID Readings or Laboratory Notes
	TB-ROX-040821-8011	4/8/21	0000	Water	2					2		X			TEMPERATURE ON RECEIPT C°
	TB-ROX-040821-8260		0000		2					2	X				
	MW9-ROX-040821-EB		0823		6			2		8	X	X	X	X	
	MW9-ROX-040821		1020		6			2		8	X	X	X	X	
	MW10-ROX-040821		1135		6			2		8	X	X	X	X	
	MW27-ROX-040821		1300		6			2		8	X	X	X	X	
	MW16-ROX-040821		1425		6			2		8	X	X	X	X	
	MW16-ROX-040821-MS		1425		6			2		8	X	X	X	X	
	MW16-ROX-040821-MSD		1425		6			2		8	X	X	X	X	

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
	Fedex: 9509 0064 1526 / 9509 0064 1515	4/8/21	1600
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date: 4-9-21	Time 1010

CUSTODY SEALS: 1450615 / 1450614 / 1628620 / 1628619

2-8°C, 0.8°C IR9

Version 2Apr21

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4/28/2021

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-201833-1

Login Number: 201833
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	2.8, 0.4°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: 400-201833-1

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
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
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	P330-21-00056	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 – 2nd Quarter 2021 Data Review

Laboratory SDG: 400-201861-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 6/7/2021

Guidance: USEPA National Functional Guidelines for Organic Superfund Methods Data Review 2020

Sample Identification	Sample Identification
TB-ROX-040921-8011-A	TB-ROX-040921-8260-A
MW26-ROX-040921	TB-ROX-040921-8011-B
TB-ROX-040921-8260-B	MW14-ROX-040921
P66-ROX-040921	

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 vinyl chloride and di-n-octyl phthalate LCS recoveries were outside evaluation criteria. Several SVOC surrogates were outside criteria in samples MW26-ROX-040921 and MW14-ROX-040921. Sample P66-ROX-040921 was diluted to bring certain 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?

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 ID	Parameter	Analyte	LCS Recovery	LCS Criteria
LCS 400-528806/1002	VOCs	Vinyl chloride	**151**	64-142
LCS 400-527531/2-A	SVOCs	Di-n-octyl phthalate	**56**	57-138

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.

Sample ID	Parameter	Analyte	Qualification
MW26-ROX-040921	SVOCs	Di-n-octyl phthalate	**UJ**
MW14-ROX-040921	SVOCs	Di-n-octyl phthalate	**UJ**
P66-ROX-040921	SVOCs	Di-n-octyl phthalate	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW26-ROX-040921	SVOCs	2-Fluorophenol	**1**	13-113
MW26-ROX-040921	SVOCs	Phenol-d_5	**10**	17-127
MW14-ROX-040921	SVOCs	2-Fluorophenol	**7**	13-113

Analytical data that required qualification based on surrogate data are included in the table below. Qualifications due to surrogate recoveries were not required if only one of three acid SVOC surrogate recoveries were outside evaluation criteria in sample MW14-ROX-040921.

Sample ID	Parameter	Analyte	Qualification
MW26-ROX-040921	SVOCs	Benzoic acid	**UJ**
MW26-ROX-040921	SVOCs	Benzyl alcohol	**UJ**
MW26-ROX-040921	SVOCs	4-Chloro-3-methylphenol	**UJ**
MW26-ROX-040921	SVOCs	2-Chlorophenol	**UJ**
MW26-ROX-040921	SVOCs	2,4-Dichlorophenol	**UJ**
MW26-ROX-040921	SVOCs	2,4-Dimethylphenol	**UJ**
MW26-ROX-040921	SVOCs	2,4-Dinitrophenol	**UJ**
MW26-ROX-040921	SVOCs	2-Methylphenol	**UJ**
MW26-ROX-040921	SVOCs	3&4-Methylphenol	**UJ**
MW26-ROX-040921	SVOCs	2-Nitrophenol	**UJ**
MW26-ROX-040921	SVOCs	4-Nitrophenol	**UJ**
MW26-ROX-040921	SVOCs	Pentachlorophenol	**UJ**
MW26-ROX-040921	SVOCs	Phenol	**UJ**
MW26-ROX-040921	SVOCs	2,4,5-Trichlorophenol	**UJ**
MW26-ROX-040921	SVOCs	2,4,6-Trichlorophenol	**UJ**

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?

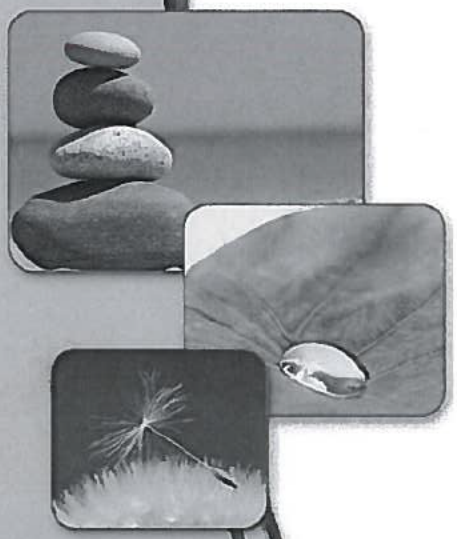
Not applicable; analytes were detected in samples that were diluted.

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: 400-201861-1
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:
4/27/2021 10:27:22 AM

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

Reviewed 6/7/21 MR

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: 400-201861-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-201861-1

Comments
No additional comments.

Receipt
The samples were received on 4/10/2021 12:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.2° C and 4.9° C.

GC/MS VOA
Method 8260B: The initial calibration verification (ICV) analyzed in batch 400-504636 was outside method criteria for the following analyte(s): Dichlorodifluoromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: P66-ROX-040921 (400-201861-7). Elevated reporting limits (RLs) are provided.

Method 8260B: The laboratory control sample (LCS) for analytical batch 400-528806 recovered outside control limits for the following analyte: Vinyl chloride. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The continuing calibration verification (CCV) associated with batch 400-528806 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, 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-040921-8260-A (400-201861-2), MW26-ROX-040921 (400-201861-3), TB-ROX-040921-8260-B (400-201861-5), MW14-ROX-040921 (400-201861-6) and P66-ROX-040921 (400-201861-7). The requested target analyte list includes 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: 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: MW14-ROX-040921 (400-201861-6). These results have been reported and qualified.

Method 8270D: Surrogate recovery for the following sample was outside control limits: MW26-ROX-040921 (400-201861-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270D: The following analyte(s) recovered outside control limits for the LCS associated with preparation batch 400-527531 and analytical batch 400-527835: Di-n-octyl phthalate. 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 400-528112 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

Job ID: 400-201861-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

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: 400-201861-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-201861-1	TB-ROX-040921-8011-A	Water	04/09/21 00:00	04/10/21 12:50	
400-201861-2	TB-ROX-040921-8260-A	Water	04/09/21 00:00	04/10/21 12:50	
400-201861-3	MW26-ROX-040921	Water	04/09/21 09:35	04/10/21 12:50	
400-201861-4	TB-ROX-040921-8011-B	Water	04/09/21 00:00	04/10/21 12:50	
400-201861-5	TB-ROX-040921-8260-B	Water	04/09/21 00:00	04/10/21 12:50	
400-201861-6	MW14-ROX-040921	Water	04/09/21 11:45	04/10/21 12:50	
400-201861-7	P66-ROX-040921	Water	04/09/21 12:45	04/10/21 12:50	

Detection Summary

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

Job ID: 400-201861-1

Client Sample ID: TB-ROX-040921-8011-A — Lab Sample ID: 400-201861-1

No Detections.

Client Sample ID: TB-ROX-040921-8260-A — Lab Sample ID: 400-201861-2

No Detections.

Client Sample ID: MW26-ROX-040921 — Lab Sample ID: 400-201861-3

No Detections.

Client Sample ID: TB-ROX-040921-8011-B — Lab Sample ID: 400-201861-4

No Detections.

Client Sample ID: TB-ROX-040921-8260-B — Lab Sample ID: 400-201861-5

No Detections.

Client Sample ID: MW14-ROX-040921 — Lab Sample ID: 400-201861-6

No Detections.

Client Sample ID: P66-ROX-040921 — Lab Sample ID: 400-201861-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	180		5.0	1.9	ug/L	5		8260B	Total/NA
Ethylbenzene	13		5.0	2.5	ug/L	5		8260B	Total/NA
Isopropylbenzene	59		5.0	2.7	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	38		25	8.0	ug/L	5		8260B	Total/NA
Naphthalene	11		5.0	5.0	ug/L	5		8260B	Total/NA
n-Butylbenzene	4.6	J	5.0	3.8	ug/L	5		8260B	Total/NA
N-Propylbenzene	93		5.0	3.5	ug/L	5		8260B	Total/NA
o-Xylene	24	J	25	3.0	ug/L	5		8260B	Total/NA
sec-Butylbenzene	8.4		5.0	3.5	ug/L	5		8260B	Total/NA
tert-Butylbenzene	4.2	J	5.0	3.2	ug/L	5		8260B	Total/NA
Toluene	610		5.0	2.1	ug/L	5		8260B	Total/NA
Xylenes, Total	62		50	8.0	ug/L	5		8260B	Total/NA
Acenaphthene	1.2		0.20	0.032	ug/L	1		8270D LL	Total/NA
Acenaphthylene	0.26		0.20	0.045	ug/L	1		8270D LL	Total/NA
Fluorene	1.3		0.20	0.11	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	74		0.20	0.075	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	31		0.20	0.060	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.36		0.20	0.036	ug/L	1		8270D LL	Total/NA
Pyrene	0.16	J	0.20	0.040	ug/L	1		8270D LL	Total/NA
Dibenzofuran	1.5	J	10	0.17	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	7.2	J	20	0.39	ug/L	1		8270D	Total/NA
Phenol	2.8	J	10	2.6	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: 400-201861-1

Client Sample ID: TB-ROX-040921-8011-A
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-1
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		0.030	0.0055	ug/L		04/19/21 09:01	04/19/21 15:39	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/19/21 09:01	04/19/21 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*77*	*p*	*51 - 149*	*04/19/21 09:01*	*04/19/21 15:39*	*1*

Client Sample ID: TB-ROX-040921-8260-A
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-2
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			04/23/21 11:56	1
Acrolein	ND		20	10	ug/L			04/23/21 11:56	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/21 11:56	1
Benzene	ND		1.0	0.38	ug/L			04/23/21 11:56	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/21 11:56	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/21 11:56	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/21 11:56	1
Bromoform	ND		5.0	0.71	ug/L			04/23/21 11:56	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/21 11:56	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/21 11:56	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/21 11:56	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/23/21 11:56	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/23/21 11:56	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/23/21 11:56	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/21 11:56	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/21 11:56	1
Chloroform	ND		1.0	0.60	ug/L			04/23/21 11:56	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/23/21 11:56	1
Chloromethane	ND		1.0	0.83	ug/L			04/23/21 11:56	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 11:56	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 11:56	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/21 11:56	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/21 11:56	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/21 11:56	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/21 11:56	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 11:56	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 11:56	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 11:56	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 11:56	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 11:56	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 11:56	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/23/21 11:56	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/21 11:56	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/21 11:56	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/21 11:56	1
2-Hexanone	ND		25	3.1	ug/L			04/23/21 11:56	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/21 11:56	1
Methylene bromide	ND		5.0	0.59	ug/L			04/23/21 11:56	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/21 11:56	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/21 11:56	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/23/21 11:56	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/23/21 11:56	1
Naphthalene	ND		1.0	1.0	ug/L			04/23/21 11:56	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/21 11:56	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/21 11:56	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/21 11:56	1
o-Xylene	ND		5.0	0.60	ug/L			04/23/21 11:56	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/21 11:56	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/23/21 11:56	1

Client Sample ID: TB-ROX-040921-8260-A
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-2
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			04/23/21 11:56	1
Styrene	ND		1.0	1.0	ug/L			04/23/21 11:56	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/21 11:56	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/23/21 11:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/21 11:56	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/23/21 11:56	1
Toluene	ND		1.0	0.41	ug/L			04/23/21 11:56	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 11:56	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 11:56	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/23/21 11:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/21 11:56	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/23/21 11:56	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/23/21 11:56	1
Trichloroethene	ND		1.0	0.50	ug/L			04/23/21 11:56	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/23/21 11:56	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/21 11:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/21 11:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/21 11:56	1
Vinyl acetate	ND		25	2.0	ug/L			04/23/21 11:56	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/23/21 11:56	1
Xylenes, Total	ND		10	1.6	ug/L			04/23/21 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/23/21 11:56*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*04/23/21 11:56*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*04/23/21 11:56*	*1*

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

Job ID: 400-201861-1

Client Sample ID: MW26-ROX-040921
Date Collected: 04/09/21 09:35
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-3
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			04/23/21 12:45	1
Acrolein	ND		20	10	ug/L			04/23/21 12:45	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/21 12:45	1
Benzene	ND		1.0	0.38	ug/L			04/23/21 12:45	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/21 12:45	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/21 12:45	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/21 12:45	1
Bromoform	ND		5.0	0.71	ug/L			04/23/21 12:45	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/21 12:45	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/21 12:45	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/21 12:45	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/23/21 12:45	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/23/21 12:45	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/23/21 12:45	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/21 12:45	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/21 12:45	1
Chloroform	ND		1.0	0.60	ug/L			04/23/21 12:45	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/23/21 12:45	1
Chloromethane	ND		1.0	0.83	ug/L			04/23/21 12:45	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 12:45	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 12:45	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/21 12:45	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/21 12:45	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/21 12:45	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/21 12:45	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 12:45	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 12:45	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 12:45	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 12:45	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 12:45	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 12:45	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/23/21 12:45	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/21 12:45	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/21 12:45	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/21 12:45	1
2-Hexanone	ND		25	3.1	ug/L			04/23/21 12:45	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/21 12:45	1
Methylene bromide	ND		5.0	0.59	ug/L			04/23/21 12:45	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/21 12:45	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/21 12:45	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/23/21 12:45	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/23/21 12:45	1
Naphthalene	ND		1.0	1.0	ug/L			04/23/21 12:45	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/21 12:45	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/21 12:45	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/21 12:45	1
o-Xylene	ND		5.0	0.60	ug/L			04/23/21 12:45	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/21 12:45	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/23/21 12:45	1

Client Sample ID: MW26-ROX-040921
Date Collected: 04/09/21 09:35
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-3
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			04/23/21 12:45	1
Styrene	ND		1.0	1.0	ug/L			04/23/21 12:45	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/21 12:45	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/23/21 12:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/21 12:45	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/23/21 12:45	1
Toluene	ND		1.0	0.41	ug/L			04/23/21 12:45	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 12:45	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 12:45	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/23/21 12:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/21 12:45	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/23/21 12:45	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/23/21 12:45	1
Trichloroethene	ND		1.0	0.50	ug/L			04/23/21 12:45	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/23/21 12:45	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/21 12:45	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/21 12:45	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/21 12:45	1
Vinyl acetate	ND		25	2.0	ug/L			04/23/21 12:45	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/23/21 12:45	1
Xylenes, Total	ND		10	1.6	ug/L			04/23/21 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/23/21 12:45*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*04/23/21 12:45*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*04/23/21 12:45*	*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		0.19	0.031	ug/L		04/14/21 10:52	04/16/21 21:44	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/14/21 10:52	04/16/21 21:44	1
Anthracene	ND		0.19	0.031	ug/L		04/14/21 10:52	04/16/21 21:44	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		04/14/21 10:52	04/16/21 21:44	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/14/21 10:52	04/16/21 21:44	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		04/14/21 10:52	04/16/21 21:44	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/14/21 10:52	04/16/21 21:44	1
Benzo[k]fluoranthene	ND		0.19	0.096	ug/L		04/14/21 10:52	04/16/21 21:44	1
Chrysene	ND		0.19	0.071	ug/L		04/14/21 10:52	04/16/21 21:44	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		04/14/21 10:52	04/16/21 21:44	1
Fluoranthene	ND		0.19	0.065	ug/L		04/14/21 10:52	04/16/21 21:44	1
Fluorene	ND		0.19	0.11	ug/L		04/14/21 10:52	04/16/21 21:44	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/14/21 10:52	04/16/21 21:44	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/14/21 10:52	04/16/21 21:44	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		04/14/21 10:52	04/16/21 21:44	1
Phenanthrene	ND		0.19	0.034	ug/L		04/14/21 10:52	04/16/21 21:44	1
Pyrene	ND		0.19	0.038	ug/L		04/14/21 10:52	04/16/21 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*15 - 122*	*04/14/21 10:52*	*04/16/21 21:44*	*1*
Nitrobenzene-d5	*78*		*19 - 130*	*04/14/21 10:52*	*04/16/21 21:44*	*1*

Client Sample ID: MW26-ROX-040921
Date Collected: 04/09/21 09:35
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	101		33 - 138	04/14/21 10:52	04/16/21 21:44	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		04/14/21 10:52	04/16/21 13:35	1
Benzenethiol	ND		9.6	1.6	ug/L		04/14/21 10:52	04/16/21 13:35	1
Benzoic acid	ND	UJ	29	7.0	ug/L		04/14/21 10:52	04/16/21 13:35	1
Benzyl alcohol	ND	UJ	9.6	1.9	ug/L		04/14/21 10:52	04/16/21 13:35	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		04/14/21 10:52	04/16/21 13:35	1
Bis(2-chloroethyl)ether	ND		9.6	2.6	ug/L		04/14/21 10:52	04/16/21 13:35	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		04/14/21 10:52	04/16/21 13:35	1
Bis(2-ethylhexyl) phthalate	ND		9.6	4.8	ug/L		04/14/21 10:52	04/16/21 13:35	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		04/14/21 10:52	04/16/21 13:35	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		04/14/21 10:52	04/16/21 13:35	1
4-Chloroaniline	ND		9.6	3.2	ug/L		04/14/21 10:52	04/16/21 13:35	1
4-Chloro-3-methylphenol	ND	UJ	9.6	3.6	ug/L		04/14/21 10:52	04/16/21 13:35	1
2-Chloronaphthalene	ND		9.6	0.13	ug/L		04/14/21 10:52	04/16/21 13:35	1
2-Chlorophenol	ND	UJ	9.6	2.1	ug/L		04/14/21 10:52	04/16/21 13:35	1
4-Chlorophenyl phenyl ether	ND		9.6	1.9	ug/L		04/14/21 10:52	04/16/21 13:35	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		04/14/21 10:52	04/16/21 13:35	1
Dibenzofuran	ND		9.6	0.16	ug/L		04/14/21 10:52	04/16/21 13:35	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		04/14/21 10:52	04/16/21 13:35	1
2,4-Dichlorophenol	ND	UJ	9.6	2.9	ug/L		04/14/21 10:52	04/16/21 13:35	1
Diethyl phthalate	ND		9.6	0.23	ug/L		04/14/21 10:52	04/16/21 13:35	1
2,4-Dimethylphenol	ND	UJ	9.6	3.3	ug/L		04/14/21 10:52	04/16/21 13:35	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		04/14/21 10:52	04/16/21 13:35	1
Di-n-butyl phthalate	ND		9.6	2.6	ug/L		04/14/21 10:52	04/16/21 13:35	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		04/14/21 10:52	04/16/21 13:35	1
2,4-Dinitrophenol	ND	UJ	29	3.2	ug/L		04/14/21 10:52	04/16/21 13:35	1
2,4-Dinitrotoluene	ND		9.6	1.8	ug/L		04/14/21 10:52	04/16/21 13:35	1
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		04/14/21 10:52	04/16/21 13:35	1
Di-n-octyl phthalate	ND	UJ	9.6	0.16	ug/L		04/14/21 10:52	04/16/21 13:35	1
1,4-Dioxane	ND		9.6	0.96	ug/L		04/14/21 10:52	04/16/21 13:35	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.96	ug/L		04/14/21 10:52	04/16/21 13:35	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		04/14/21 10:52	04/16/21 13:35	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/14/21 10:52	04/16/21 13:35	1
Hexachloroethane	ND		9.6	4.0	ug/L		04/14/21 10:52	04/16/21 13:35	1
Indene	ND		9.6	0.96	ug/L		04/14/21 10:52	04/16/21 13:35	1
Isophorone	ND		9.6	0.13	ug/L		04/14/21 10:52	04/16/21 13:35	1
2-Methylphenol	ND	UJ	9.6	1.7	ug/L		04/14/21 10:52	04/16/21 13:35	1
3 & 4 Methylphenol	ND	UJ	19	0.37	ug/L		04/14/21 10:52	04/16/21 13:35	1
2-Nitroaniline	ND		9.6	2.1	ug/L		04/14/21 10:52	04/16/21 13:35	1
3-Nitroaniline	ND		9.6	1.7	ug/L		04/14/21 10:52	04/16/21 13:35	1
4-Nitroaniline	ND		9.6	1.4	ug/L		04/14/21 10:52	04/16/21 13:35	1
Nitrobenzene	ND		9.6	0.12	ug/L		04/14/21 10:52	04/16/21 13:35	1
2-Nitrophenol	ND	UJ	9.6	5.0	ug/L		04/14/21 10:52	04/16/21 13:35	1
4-Nitrophenol	ND	UJ	9.6	2.0	ug/L		04/14/21 10:52	04/16/21 13:35	1
N-Nitrosodimethylamine	ND		9.6	3.3	ug/L		04/14/21 10:52	04/16/21 13:35	1

Client Sample ID: MW26-ROX-040921
Date Collected: 04/09/21 09:35
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-3
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		9.6	3.2	ug/L		04/14/21 10:52	04/16/21 13:35	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		04/14/21 10:52	04/16/21 13:35	1
Pentachlorophenol	ND	UJ	19	1.3	ug/L		04/14/21 10:52	04/16/21 13:35	1
Phenol	ND	UJ	9.6	2.5	ug/L		04/14/21 10:52	04/16/21 13:35	1
Pyridine	ND		9.6	3.1	ug/L		04/14/21 10:52	04/16/21 13:35	1
Quinoline	ND		9.6	4.3	ug/L		04/14/21 10:52	04/16/21 13:35	1
2,4,5-Trichlorophenol	ND	UJ	9.6	3.5	ug/L		04/14/21 10:52	04/16/21 13:35	1
2,4,6-Trichlorophenol	ND	UJ	9.6	3.3	ug/L		04/14/21 10:52	04/16/21 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*46 - 124*	*04/14/21 10:52*	*04/16/21 13:35*	*1*
2-Fluorophenol	*1*	*S1-*	*13 - 113*	*04/14/21 10:52*	*04/16/21 13:35*	*1*
Nitrobenzene-d5	*66*		*36 - 126*	*04/14/21 10:52*	*04/16/21 13:35*	*1*
Phenol-d5	*10*	*S1-*	*17 - 127*	*04/14/21 10:52*	*04/16/21 13:35*	*1*
Terphenyl-d14	*79*		*44 - 149*	*04/14/21 10:52*	*04/16/21 13:35*	*1*
2,4,6-Tribromophenol	*32*		*26 - 150*	*04/14/21 10:52*	*04/16/21 13:35*	*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		04/19/21 09:01	04/19/21 15:59	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/19/21 09:01	04/19/21 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*80*	*p*	*51 - 149*	*04/19/21 09:01*	*04/19/21 15:59*	*1*

Client Sample ID: TB-ROX-040921-8011-B
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-4
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		04/19/21 09:01	04/19/21 16:19	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		04/19/21 09:01	04/19/21 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*79*	*p*	*51 - 149*	*04/19/21 09:01*	*04/19/21 16:19*	*1*

Client Sample ID: TB-ROX-040921-8260-B
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-5
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			04/23/21 12:20	1
Acrolein	ND		20	10	ug/L			04/23/21 12:20	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/21 12:20	1
Benzene	ND		1.0	0.38	ug/L			04/23/21 12:20	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/21 12:20	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/21 12:20	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/21 12:20	1
Bromoform	ND		5.0	0.71	ug/L			04/23/21 12:20	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/21 12:20	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/21 12:20	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/21 12:20	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/23/21 12:20	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/23/21 12:20	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/23/21 12:20	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/21 12:20	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/21 12:20	1
Chloroform	ND		1.0	0.60	ug/L			04/23/21 12:20	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/23/21 12:20	1
Chloromethane	ND		1.0	0.83	ug/L			04/23/21 12:20	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 12:20	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 12:20	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/21 12:20	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/21 12:20	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/21 12:20	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/21 12:20	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 12:20	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 12:20	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 12:20	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 12:20	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 12:20	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 12:20	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/23/21 12:20	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/21 12:20	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/21 12:20	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/21 12:20	1
2-Hexanone	ND		25	3.1	ug/L			04/23/21 12:20	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/21 12:20	1
Methylene bromide	ND		5.0	0.59	ug/L			04/23/21 12:20	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/21 12:20	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/21 12:20	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/23/21 12:20	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/23/21 12:20	1
Naphthalene	ND		1.0	1.0	ug/L			04/23/21 12:20	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/21 12:20	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/21 12:20	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/21 12:20	1
o-Xylene	ND		5.0	0.60	ug/L			04/23/21 12:20	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/21 12:20	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/23/21 12:20	1

Client Sample ID: TB-ROX-040921-8260-B
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-5
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			04/23/21 12:20	1
Styrene	ND		1.0	1.0	ug/L			04/23/21 12:20	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/21 12:20	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/23/21 12:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/21 12:20	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/23/21 12:20	1
Toluene	ND		1.0	0.41	ug/L			04/23/21 12:20	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 12:20	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 12:20	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/23/21 12:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/21 12:20	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/23/21 12:20	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/23/21 12:20	1
Trichloroethene	ND		1.0	0.50	ug/L			04/23/21 12:20	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/23/21 12:20	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/21 12:20	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/21 12:20	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/21 12:20	1
Vinyl acetate	ND		25	2.0	ug/L			04/23/21 12:20	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/23/21 12:20	1
Xylenes, Total	ND		10	1.6	ug/L			04/23/21 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*04/23/21 12:20*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*04/23/21 12:20*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/23/21 12:20*	*1*

Client Sample ID: MW14-ROX-040921
Date Collected: 04/09/21 11:45
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-6
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			04/23/21 13:10	1
Acrolein	ND		20	10	ug/L			04/23/21 13:10	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/21 13:10	1
Benzene	ND		1.0	0.38	ug/L			04/23/21 13:10	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/21 13:10	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/21 13:10	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/21 13:10	1
Bromoform	ND		5.0	0.71	ug/L			04/23/21 13:10	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/21 13:10	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/21 13:10	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/21 13:10	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/23/21 13:10	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/23/21 13:10	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/23/21 13:10	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/21 13:10	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/21 13:10	1
Chloroform	ND		1.0	0.60	ug/L			04/23/21 13:10	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/23/21 13:10	1
Chloromethane	ND		1.0	0.83	ug/L			04/23/21 13:10	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 13:10	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 13:10	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/21 13:10	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/21 13:10	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/21 13:10	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/21 13:10	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 13:10	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 13:10	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 13:10	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 13:10	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 13:10	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 13:10	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/23/21 13:10	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/21 13:10	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/21 13:10	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/21 13:10	1
2-Hexanone	ND		25	3.1	ug/L			04/23/21 13:10	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/21 13:10	1
Methylene bromide	ND		5.0	0.59	ug/L			04/23/21 13:10	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/21 13:10	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/21 13:10	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/23/21 13:10	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/23/21 13:10	1
Naphthalene	ND		1.0	1.0	ug/L			04/23/21 13:10	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/21 13:10	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/21 13:10	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/21 13:10	1
o-Xylene	ND		5.0	0.60	ug/L			04/23/21 13:10	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/21 13:10	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/23/21 13:10	1

Client Sample ID: MW14-ROX-040921
Date Collected: 04/09/21 11:45
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-6
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			04/23/21 13:10	1
Styrene	ND		1.0	1.0	ug/L			04/23/21 13:10	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/21 13:10	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/23/21 13:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/21 13:10	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/23/21 13:10	1
Toluene	ND		1.0	0.41	ug/L			04/23/21 13:10	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 13:10	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 13:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/23/21 13:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/21 13:10	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/23/21 13:10	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/23/21 13:10	1
Trichloroethene	ND		1.0	0.50	ug/L			04/23/21 13:10	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/23/21 13:10	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/21 13:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/21 13:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/21 13:10	1
Vinyl acetate	ND		25	2.0	ug/L			04/23/21 13:10	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/23/21 13:10	1
Xylenes, Total	ND		10	1.6	ug/L			04/23/21 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/23/21 13:10*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*04/23/21 13:10*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/23/21 13:10*	*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		04/14/21 10:52	04/16/21 22:01	1
Acenaphthylene	ND		0.21	0.048	ug/L		04/14/21 10:52	04/16/21 22:01	1
Anthracene	ND		0.21	0.034	ug/L		04/14/21 10:52	04/16/21 22:01	1
Benzo[a]anthracene	ND		0.21	0.049	ug/L		04/14/21 10:52	04/16/21 22:01	1
Benzo[a]pyrene	ND		0.21	0.045	ug/L		04/14/21 10:52	04/16/21 22:01	1
Benzo[b]fluoranthene	ND		0.21	0.036	ug/L		04/14/21 10:52	04/16/21 22:01	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		04/14/21 10:52	04/16/21 22:01	1
Benzo[k]fluoranthene	ND		0.21	0.11	ug/L		04/14/21 10:52	04/16/21 22:01	1
Chrysene	ND		0.21	0.079	ug/L		04/14/21 10:52	04/16/21 22:01	1
Dibenz(a,h)anthracene	ND		0.21	0.053	ug/L		04/14/21 10:52	04/16/21 22:01	1
Fluoranthene	ND		0.21	0.073	ug/L		04/14/21 10:52	04/16/21 22:01	1
Fluorene	ND		0.21	0.12	ug/L		04/14/21 10:52	04/16/21 22:01	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.046	ug/L		04/14/21 10:52	04/16/21 22:01	1
1-Methylnaphthalene	ND		0.21	0.079	ug/L		04/14/21 10:52	04/16/21 22:01	1
2-Methylnaphthalene	ND		0.21	0.064	ug/L		04/14/21 10:52	04/16/21 22:01	1
Phenanthrene	ND		0.21	0.038	ug/L		04/14/21 10:52	04/16/21 22:01	1
Pyrene	ND		0.21	0.043	ug/L		04/14/21 10:52	04/16/21 22:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*105*		*15 - 122*	*04/14/21 10:52*	*04/16/21 22:01*	*1*
Nitrobenzene-d5	*90*		*19 - 130*	*04/14/21 10:52*	*04/16/21 22:01*	*1*

Client Sample ID: MW14-ROX-040921
Date Collected: 04/09/21 11:45
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-6
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	112		33 - 138	04/14/21 10:52	04/16/21 22:01	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		04/14/21 10:52	04/16/21 13:56	1
Benzenethiol	ND		11	1.8	ug/L		04/14/21 10:52	04/16/21 13:56	1
Benzoic acid	ND		32	7.8	ug/L		04/14/21 10:52	04/16/21 13:56	1
Benzyl alcohol	ND		11	2.1	ug/L		04/14/21 10:52	04/16/21 13:56	1
Bis(2-chloroethoxy)methane	ND		11	0.17	ug/L		04/14/21 10:52	04/16/21 13:56	1
Bis(2-chloroethyl)ether	ND		11	2.9	ug/L		04/14/21 10:52	04/16/21 13:56	1
bis (2-chloroisopropyl) ether	ND		11	0.17	ug/L		04/14/21 10:52	04/16/21 13:56	1
Bis(2-ethylhexyl) phthalate	ND		11	5.3	ug/L		04/14/21 10:52	04/16/21 13:56	1
4-Bromophenyl phenyl ether	ND		11	0.21	ug/L		04/14/21 10:52	04/16/21 13:56	1
Butyl benzyl phthalate	ND		11	0.20	ug/L		04/14/21 10:52	04/16/21 13:56	1
4-Chloroaniline	ND		11	3.6	ug/L		04/14/21 10:52	04/16/21 13:56	1
4-Chloro-3-methylphenol	ND		11	4.1	ug/L		04/14/21 10:52	04/16/21 13:56	1
2-Chloronaphthalene	ND		11	0.15	ug/L		04/14/21 10:52	04/16/21 13:56	1
2-Chlorophenol	ND		11	2.3	ug/L		04/14/21 10:52	04/16/21 13:56	1
4-Chlorophenyl phenyl ether	ND		11	2.1	ug/L		04/14/21 10:52	04/16/21 13:56	1
Dibenz[a,h]acridine	ND		11	1.1	ug/L		04/14/21 10:52	04/16/21 13:56	1
Dibenzofuran	ND		11	0.18	ug/L		04/14/21 10:52	04/16/21 13:56	1
3,3'-Dichlorobenzidine	ND		11	2.8	ug/L		04/14/21 10:52	04/16/21 13:56	1
2,4-Dichlorophenol	ND		11	3.2	ug/L		04/14/21 10:52	04/16/21 13:56	1
Diethyl phthalate	ND		11	0.26	ug/L		04/14/21 10:52	04/16/21 13:56	1
2,4-Dimethylphenol	ND		11	3.7	ug/L		04/14/21 10:52	04/16/21 13:56	1
Dimethyl phthalate	ND		11	0.18	ug/L		04/14/21 10:52	04/16/21 13:56	1
Di-n-butyl phthalate	ND		11	2.9	ug/L		04/14/21 10:52	04/16/21 13:56	1
4,6-Dinitro-ortho-cresol	ND		11	1.7	ug/L		04/14/21 10:52	04/16/21 13:56	1
2,4-Dinitrophenol	ND		32	3.6	ug/L		04/14/21 10:52	04/16/21 13:56	1
2,4-Dinitrotoluene	ND		11	2.0	ug/L		04/14/21 10:52	04/16/21 13:56	1
2,6-Dinitrotoluene	ND		11	2.0	ug/L		04/14/21 10:52	04/16/21 13:56	1
Di-n-octyl phthalate	ND	UJ	11	0.18	ug/L		04/14/21 10:52	04/16/21 13:56	1
1,4-Dioxane	ND		11	1.1	ug/L		04/14/21 10:52	04/16/21 13:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		11	1.1	ug/L		04/14/21 10:52	04/16/21 13:56	1
Hexachlorobenzene	ND		11	0.18	ug/L		04/14/21 10:52	04/16/21 13:56	1
Hexachlorocyclopentadiene	ND		21	2.8	ug/L		04/14/21 10:52	04/16/21 13:56	1
Hexachloroethane	ND		11	4.5	ug/L		04/14/21 10:52	04/16/21 13:56	1
Indene	ND		11	1.1	ug/L		04/14/21 10:52	04/16/21 13:56	1
Isophorone	ND		11	0.15	ug/L		04/14/21 10:52	04/16/21 13:56	1
2-Methylphenol	ND		11	1.9	ug/L		04/14/21 10:52	04/16/21 13:56	1
3 & 4 Methylphenol	ND		21	0.42	ug/L		04/14/21 10:52	04/16/21 13:56	1
2-Nitroaniline	ND		11	2.3	ug/L		04/14/21 10:52	04/16/21 13:56	1
3-Nitroaniline	ND		11	1.9	ug/L		04/14/21 10:52	04/16/21 13:56	1
4-Nitroaniline	ND		11	1.6	ug/L		04/14/21 10:52	04/16/21 13:56	1
Nitrobenzene	ND		11	0.14	ug/L		04/14/21 10:52	04/16/21 13:56	1
2-Nitrophenol	ND		11	5.5	ug/L		04/14/21 10:52	04/16/21 13:56	1
4-Nitrophenol	ND		11	2.2	ug/L		04/14/21 10:52	04/16/21 13:56	1
N-Nitrosodimethylamine	ND		11	3.7	ug/L		04/14/21 10:52	04/16/21 13:56	1

Client Sample ID: MW14-ROX-040921
Date Collected: 04/09/21 11:45
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-6
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		11	3.5	ug/L		04/14/21 10:52	04/16/21 13:56	1
N-Nitrosodiphenylamine	ND		11	0.19	ug/L		04/14/21 10:52	04/16/21 13:56	1
Pentachlorophenol	ND		21	1.5	ug/L		04/14/21 10:52	04/16/21 13:56	1
Phenol	ND		11	2.8	ug/L		04/14/21 10:52	04/16/21 13:56	1
Pyridine	ND		11	3.4	ug/L		04/14/21 10:52	04/16/21 13:56	1
Quinoline	ND		11	4.8	ug/L		04/14/21 10:52	04/16/21 13:56	1
2,4,5-Trichlorophenol	ND		11	3.9	ug/L		04/14/21 10:52	04/16/21 13:56	1
2,4,6-Trichlorophenol	ND		11	3.7	ug/L		04/14/21 10:52	04/16/21 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*46 - 124*	*04/14/21 10:52*	*04/16/21 13:56*	*1*
2-Fluorophenol	*7*	*S1-*	*13 - 113*	*04/14/21 10:52*	*04/16/21 13:56*	*1*
Nitrobenzene-d5	*75*		*36 - 126*	*04/14/21 10:52*	*04/16/21 13:56*	*1*
Phenol-d5	*30*		*17 - 127*	*04/14/21 10:52*	*04/16/21 13:56*	*1*
Terphenyl-d14	*91*		*44 - 149*	*04/14/21 10:52*	*04/16/21 13:56*	*1*
2,4,6-Tribromophenol	*63*		*26 - 150*	*04/14/21 10:52*	*04/16/21 13:56*	*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	0.0055	ug/L		04/19/21 09:01	04/19/21 16:38	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/19/21 09:01	04/19/21 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*80*	*p*	*51 - 149*	*04/19/21 09:01*	*04/19/21 16:38*	*1*

Client Sample ID: P66-ROX-040921
Date Collected: 04/09/21 12:45
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130	50	ug/L			04/23/21 13:34	5
Acrolein	ND		100	50	ug/L			04/23/21 13:34	5
Acrylonitrile	ND		50	14	ug/L			04/23/21 13:34	5
Benzene	**180**		5.0	1.9	ug/L			04/23/21 13:34	5
Bromobenzene	ND		5.0	2.7	ug/L			04/23/21 13:34	5
Bromochloromethane	ND		5.0	2.6	ug/L			04/23/21 13:34	5
Bromodichloromethane	ND		5.0	2.5	ug/L			04/23/21 13:34	5
Bromoform	ND		25	3.6	ug/L			04/23/21 13:34	5
Bromomethane	ND		5.0	4.9	ug/L			04/23/21 13:34	5
2-Butanone (MEK)	ND		130	13	ug/L			04/23/21 13:34	5
Carbon disulfide	ND		5.0	2.5	ug/L			04/23/21 13:34	5
Carbon tetrachloride	ND		5.0	2.5	ug/L			04/23/21 13:34	5
Chlorobenzene	ND		5.0	2.5	ug/L			04/23/21 13:34	5
Dibromochloromethane	ND		5.0	2.5	ug/L			04/23/21 13:34	5
Chloroethane	ND		5.0	3.8	ug/L			04/23/21 13:34	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			04/23/21 13:34	5
Chloroform	ND		5.0	3.0	ug/L			04/23/21 13:34	5
1-Chlorohexane	ND		5.0	3.5	ug/L			04/23/21 13:34	5
Chloromethane	ND		5.0	4.2	ug/L			04/23/21 13:34	5
cis-1,2-Dichloroethene	ND		5.0	2.5	ug/L			04/23/21 13:34	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			04/23/21 13:34	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			04/23/21 13:34	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			04/23/21 13:34	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			04/23/21 13:34	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			04/23/21 13:34	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			04/23/21 13:34	5
1,2-Dichloroethane	ND		5.0	2.5	ug/L			04/23/21 13:34	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			04/23/21 13:34	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			04/23/21 13:34	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			04/23/21 13:34	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			04/23/21 13:34	5
1,1-Dichloropropene	ND		5.0	2.5	ug/L			04/23/21 13:34	5
Ethylbenzene	**13**		5.0	2.5	ug/L			04/23/21 13:34	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			04/23/21 13:34	5
Hexachlorobutadiene	ND		25	4.5	ug/L			04/23/21 13:34	5
2-Hexanone	ND		130	16	ug/L			04/23/21 13:34	5
Isopropylbenzene	**59**		5.0	2.7	ug/L			04/23/21 13:34	5
Methylene bromide	ND		25	3.0	ug/L			04/23/21 13:34	5
Methylene Chloride	ND		25	15	ug/L			04/23/21 13:34	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			04/23/21 13:34	5
Methyl tert-butyl ether	ND		5.0	3.7	ug/L			04/23/21 13:34	5
m-Xylene & p-Xylene	**38**		25	8.0	ug/L			04/23/21 13:34	5
Naphthalene	**11**		5.0	5.0	ug/L			04/23/21 13:34	5
n-Butylbenzene	**4.6**	**J**	5.0	3.8	ug/L			04/23/21 13:34	5
N-Propylbenzene	**93**		5.0	3.5	ug/L			04/23/21 13:34	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			04/23/21 13:34	5
o-Xylene	**24**	**J**	25	3.0	ug/L			04/23/21 13:34	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			04/23/21 13:34	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			04/23/21 13:34	5

Client Sample ID: P66-ROX-040921
Date Collected: 04/09/21 12:45
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**8.4**		5.0	3.5	ug/L			04/23/21 13:34	5
Styrene	ND		5.0	5.0	ug/L			04/23/21 13:34	5
tert-Butylbenzene	**4.2**	**J**	5.0	3.2	ug/L			04/23/21 13:34	5
1,1,1,2-Tetrachloroethane	ND		5.0	2.6	ug/L			04/23/21 13:34	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			04/23/21 13:34	5
Tetrachloroethene	ND		5.0	2.9	ug/L			04/23/21 13:34	5
Toluene	**610**		5.0	2.1	ug/L			04/23/21 13:34	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			04/23/21 13:34	5
trans-1,3-Dichloropropene	ND		25	2.5	ug/L			04/23/21 13:34	5
1,2,3-Trichlorobenzene	ND		5.0	3.5	ug/L			04/23/21 13:34	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			04/23/21 13:34	5
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			04/23/21 13:34	5
1,1,2-Trichloroethane	ND		25	2.5	ug/L			04/23/21 13:34	5
Trichloroethene	ND		5.0	2.5	ug/L			04/23/21 13:34	5
Trichlorofluoromethane	ND		5.0	2.6	ug/L			04/23/21 13:34	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			04/23/21 13:34	5
1,2,4-Trimethylbenzene	ND		5.0	4.1	ug/L			04/23/21 13:34	5
1,3,5-Trimethylbenzene	ND		5.0	2.8	ug/L			04/23/21 13:34	5
Vinyl acetate	ND		130	10	ug/L			04/23/21 13:34	5
Vinyl chloride	ND	*+	5.0	2.5	ug/L			04/23/21 13:34	5
Xylenes, Total	**62**		50	8.0	ug/L			04/23/21 13:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/23/21 13:34*	*5*
Dibromofluoromethane	*97*		*81 - 121*		*04/23/21 13:34*	*5*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/23/21 13:34*	*5*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.2**		0.20	0.032	ug/L		04/14/21 10:52	04/16/21 22:19	1
Acenaphthylene	**0.26**		0.20	0.045	ug/L		04/14/21 10:52	04/16/21 22:19	1
Anthracene	ND		0.20	0.032	ug/L		04/14/21 10:52	04/16/21 22:19	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		04/14/21 10:52	04/16/21 22:19	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/14/21 10:52	04/16/21 22:19	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/14/21 10:52	04/16/21 22:19	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/14/21 10:52	04/16/21 22:19	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/14/21 10:52	04/16/21 22:19	1
Chrysene	ND		0.20	0.075	ug/L		04/14/21 10:52	04/16/21 22:19	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		04/14/21 10:52	04/16/21 22:19	1
Fluoranthene	ND		0.20	0.069	ug/L		04/14/21 10:52	04/16/21 22:19	1
Fluorene	**1.3**		0.20	0.11	ug/L		04/14/21 10:52	04/16/21 22:19	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/14/21 10:52	04/16/21 22:19	1
1-Methylnaphthalene	**74**		0.20	0.075	ug/L		04/14/21 10:52	04/16/21 22:19	1
2-Methylnaphthalene	**31**		0.20	0.060	ug/L		04/14/21 10:52	04/16/21 22:19	1
Phenanthrene	**0.36**		0.20	0.036	ug/L		04/14/21 10:52	04/16/21 22:19	1
Pyrene	**0.16**	**J**	0.20	0.040	ug/L		04/14/21 10:52	04/16/21 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*15 - 122*	*04/14/21 10:52*	*04/16/21 22:19*	*1*
Nitrobenzene-d5	*82*		*19 - 130*	*04/14/21 10:52*	*04/16/21 22:19*	*1*

Client Sample ID: P66-ROX-040921
Date Collected: 04/09/21 12:45
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-7
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	86		33 - 138	04/14/21 10:52	04/16/21 22:19	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		04/14/21 10:52	04/16/21 14:18	1
Benzenethiol	ND		10	1.7	ug/L		04/14/21 10:52	04/16/21 14:18	1
Benzoic acid	ND		30	7.4	ug/L		04/14/21 10:52	04/16/21 14:18	1
Benzyl alcohol	ND		10	2.0	ug/L		04/14/21 10:52	04/16/21 14:18	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/14/21 10:52	04/16/21 14:18	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/14/21 10:52	04/16/21 14:18	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/14/21 10:52	04/16/21 14:18	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		04/14/21 10:52	04/16/21 14:18	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/14/21 10:52	04/16/21 14:18	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/14/21 10:52	04/16/21 14:18	1
4-Chloroaniline	ND		10	3.4	ug/L		04/14/21 10:52	04/16/21 14:18	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		04/14/21 10:52	04/16/21 14:18	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/14/21 10:52	04/16/21 14:18	1
2-Chlorophenol	ND		10	2.2	ug/L		04/14/21 10:52	04/16/21 14:18	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/14/21 10:52	04/16/21 14:18	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/14/21 10:52	04/16/21 14:18	1
Dibenzofuran	**1.5**	**J**	10	0.17	ug/L		04/14/21 10:52	04/16/21 14:18	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/14/21 10:52	04/16/21 14:18	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/14/21 10:52	04/16/21 14:18	1
Diethyl phthalate	ND		10	0.24	ug/L		04/14/21 10:52	04/16/21 14:18	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		04/14/21 10:52	04/16/21 14:18	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/14/21 10:52	04/16/21 14:18	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/14/21 10:52	04/16/21 14:18	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/14/21 10:52	04/16/21 14:18	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		04/14/21 10:52	04/16/21 14:18	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/14/21 10:52	04/16/21 14:18	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/14/21 10:52	04/16/21 14:18	1
Di-n-octyl phthalate	ND	UJ	10	0.17	ug/L		04/14/21 10:52	04/16/21 14:18	1
1,4-Dioxane	ND		10	1.0	ug/L		04/14/21 10:52	04/16/21 14:18	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/14/21 10:52	04/16/21 14:18	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/14/21 10:52	04/16/21 14:18	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/14/21 10:52	04/16/21 14:18	1
Hexachloroethane	ND		10	4.2	ug/L		04/14/21 10:52	04/16/21 14:18	1
Indene	ND		10	1.0	ug/L		04/14/21 10:52	04/16/21 14:18	1
Isophorone	ND		10	0.14	ug/L		04/14/21 10:52	04/16/21 14:18	1
2-Methylphenol	ND		10	1.8	ug/L		04/14/21 10:52	04/16/21 14:18	1
3 & 4 Methylphenol	**7.2**	**J**	20	0.39	ug/L		04/14/21 10:52	04/16/21 14:18	1
2-Nitroaniline	ND		10	2.2	ug/L		04/14/21 10:52	04/16/21 14:18	1
3-Nitroaniline	ND		10	1.8	ug/L		04/14/21 10:52	04/16/21 14:18	1
4-Nitroaniline	ND		10	1.5	ug/L		04/14/21 10:52	04/16/21 14:18	1
Nitrobenzene	ND		10	0.13	ug/L		04/14/21 10:52	04/16/21 14:18	1
2-Nitrophenol	ND		10	5.2	ug/L		04/14/21 10:52	04/16/21 14:18	1
4-Nitrophenol	ND		10	2.1	ug/L		04/14/21 10:52	04/16/21 14:18	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		04/14/21 10:52	04/16/21 14:18	1

Client Sample ID: P66-ROX-040921
Date Collected: 04/09/21 12:45
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201861-7
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		10	3.3	ug/L		04/14/21 10:52	04/16/21 14:18	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/14/21 10:52	04/16/21 14:18	1
Pentachlorophenol	ND		20	1.4	ug/L		04/14/21 10:52	04/16/21 14:18	1
Phenol	**2.8**	**J**	10	2.6	ug/L		04/14/21 10:52	04/16/21 14:18	1
Pyridine	ND		10	3.2	ug/L		04/14/21 10:52	04/16/21 14:18	1
Quinoline	ND		10	4.5	ug/L		04/14/21 10:52	04/16/21 14:18	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/14/21 10:52	04/16/21 14:18	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/14/21 10:52	04/16/21 14:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*46 - 124*	*04/14/21 10:52*	*04/16/21 14:18*	*1*
2-Fluorophenol	*16*		*13 - 113*	*04/14/21 10:52*	*04/16/21 14:18*	*1*
Nitrobenzene-d5	*80*		*36 - 126*	*04/14/21 10:52*	*04/16/21 14:18*	*1*
Phenol-d5	*52*		*17 - 127*	*04/14/21 10:52*	*04/16/21 14:18*	*1*
Terphenyl-d14	*94*		*44 - 149*	*04/14/21 10:52*	*04/16/21 14:18*	*1*
2,4,6-Tribromophenol	*84*		*26 - 150*	*04/14/21 10:52*	*04/16/21 14:18*	*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		0.030	0.0055	ug/L		04/19/21 09:01	04/19/21 16:58	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/19/21 09:01	04/19/21 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*	*p*	*51 - 149*	*04/19/21 09:01*	*04/19/21 16:58*	*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.
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: 400-201861-1

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)
400-201861-2	TB-ROX-040921-8260-A	88	98	94
400-201861-3	MW26-ROX-040921	88	100	94
400-201861-5	TB-ROX-040921-8260-B	86	98	93
400-201861-6	MW14-ROX-040921	88	97	93
400-201861-7	P66-ROX-040921	88	97	93
LCS 400-528806/1002	Lab Control Sample	90	102	95
MB 400-528806/4	Method Blank	88	95	93

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)
400-201861-3	MW26-ROX-040921	73	1 S1-	66	10 S1-	79	32
400-201861-6	MW14-ROX-040921	76	7 S1-	75	30	91	63
400-201861-7	P66-ROX-040921	79	16	80	52	94	84
LCS 400-527531/2-A	Lab Control Sample	84	40	84	76	97	96
LCS 400-527531/3-A	Lab Control Sample	80	49	78	73	97	68
LCSD 400-527531/4-A	Lab Control Sample Dup	78	38	76	72	90	62
MB 400-527531/1-A	Method Blank	78	26	76	63	90	56

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)
400-201861-3	MW26-ROX-040921	89	78	101
400-201861-6	MW14-ROX-040921	105	90	112
400-201861-7	P66-ROX-040921	82	82	86
LCS 400-527531/2-A	Lab Control Sample	93	94	105
MB 400-527531/1-A	Method Blank	84	89	105

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14

Surrogate Summary

Client: AECOM Technical Services Inc.
Job ID: 400-201861-1
Project/Site: ROXANA QUARTERLY GW

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)
400-201861-1	TB-ROX-040921-8011-A	77 p
400-201861-3	MW26-ROX-040921	80 p
400-201861-4	TB-ROX-040921-8011-B	79 p
400-201861-6	MW14-ROX-040921	80 p
400-201861-7	P66-ROX-040921	93 p
LCS 400-528083/2-A	Lab Control Sample	80
LCSD 400-528083/3-A	Lab Control Sample Dup	85
MB 400-528083/1-A	Method Blank	73

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

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

Job ID: 400-201861-1

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: 400-201861-1

Client Sample ID: TB-ROX-040921-8011-A

Lab Sample ID: 400-201861-1
Matrix: Water
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35.3 mL	35 mL	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 15:39	DS	TAL PEN

Client Sample ID: TB-ROX-040921-8260-A

Lab Sample ID: 400-201861-2
Matrix: Water
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

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	528806	04/23/21 11:56	WPD	TAL PEN

Client Sample ID: MW26-ROX-040921

Lab Sample ID: 400-201861-3
Matrix: Water
Date Collected: 04/09/21 09:35
Date Received: 04/10/21 12:50

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	528806	04/23/21 12:45	WPD	TAL PEN
Total/NA	Prep	3520C			261.6 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527835	04/16/21 13:35	S1B	TAL PEN
Total/NA	Prep	3520C			261.6 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			527823	04/16/21 21:44	KJA	TAL PEN
Total/NA	Prep	8011			34.7 mL	35 mL	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 15:59	DS	TAL PEN

Client Sample ID: TB-ROX-040921-8011-B

Lab Sample ID: 400-201861-4
Matrix: Water
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.3 mL	35 mL	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 16:19	DS	TAL PEN

Client Sample ID: TB-ROX-040921-8260-B

Lab Sample ID: 400-201861-5
Matrix: Water
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

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	528806	04/23/21 12:20	WPD	TAL PEN

Client Sample ID: MW14-ROX-040921

Lab Sample ID: 400-201861-6
Matrix: Water
Date Collected: 04/09/21 11:45
Date Received: 04/10/21 12:50

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	528806	04/23/21 13:10	WPD	TAL PEN
Total/NA	Prep	3520C			234.4 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527835	04/16/21 13:56	S1B	TAL PEN

Lab Chronicle

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

Job ID: 400-201861-1

Client Sample ID: MW14-ROX-040921

Lab Sample ID: 400-201861-6

Date Collected: 04/09/21 11:45
Matrix: Water
Date Received: 04/10/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			234.4 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			527823	04/16/21 22:01	KJA	TAL PEN
Total/NA	Prep	8011			35 mL	35 mL	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 16:38	DS	TAL PEN

Client Sample ID: P66-ROX-040921

Lab Sample ID: 400-201861-7

Date Collected: 04/09/21 12:45
Matrix: Water
Date Received: 04/10/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	528806	04/23/21 13:34	WPD	TAL PEN
Total/NA	Prep	3520C			248 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527835	04/16/21 14:18	S1B	TAL PEN
Total/NA	Prep	3520C			248 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			527823	04/16/21 22:19	KJA	TAL PEN
Total/NA	Prep	8011			34.9 mL	35 mL	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 16:58	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-527531/1-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	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527703	04/15/21 18:41	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			527823	04/16/21 18:28	KJA	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528083/1-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	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 12:07	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528806/4

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	528806	04/23/21 09:28	WPD	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-527531/2-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	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527835	04/16/21 10:44	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			527823	04/16/21 18:46	KJA	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-527531/3-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	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527703	04/15/21 19:24	S1B	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-528083/2-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	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 12:26	DS	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-528806/1002**
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	528806	04/23/21 08:27	WPD	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-527531/4-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	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527703	04/15/21 19:45	S1B	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-528083/3-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	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 12:46	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: 528806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201861-2	TB-ROX-040921-8260-A	Total/NA	Water	8260B	
400-201861-3	MW26-ROX-040921	Total/NA	Water	8260B	
400-201861-5	TB-ROX-040921-8260-B	Total/NA	Water	8260B	
400-201861-6	MW14-ROX-040921	Total/NA	Water	8260B	
400-201861-7	P66-ROX-040921	Total/NA	Water	8260B	
MB 400-528806/4	Method Blank	Total/NA	Water	8260B	
LCS 400-528806/1002	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 527531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201861-3	MW26-ROX-040921	Total/NA	Water	3520C	
400-201861-6	MW14-ROX-040921	Total/NA	Water	3520C	
400-201861-7	P66-ROX-040921	Total/NA	Water	3520C	
MB 400-527531/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-527531/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-527531/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-527531/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 527703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-527531/1-A	Method Blank	Total/NA	Water	8270D	527531
LCS 400-527531/3-A	Lab Control Sample	Total/NA	Water	8270D	527531
LCSD 400-527531/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	527531

Analysis Batch: 527823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201861-3	MW26-ROX-040921	Total/NA	Water	8270D LL	527531
400-201861-6	MW14-ROX-040921	Total/NA	Water	8270D LL	527531
400-201861-7	P66-ROX-040921	Total/NA	Water	8270D LL	527531
MB 400-527531/1-A	Method Blank	Total/NA	Water	8270D LL	527531
LCS 400-527531/2-A	Lab Control Sample	Total/NA	Water	8270D LL	527531

Analysis Batch: 527835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201861-3	MW26-ROX-040921	Total/NA	Water	8270D	527531
400-201861-6	MW14-ROX-040921	Total/NA	Water	8270D	527531
400-201861-7	P66-ROX-040921	Total/NA	Water	8270D	527531
LCS 400-527531/2-A	Lab Control Sample	Total/NA	Water	8270D	527531

GC Semi VOA

Prep Batch: 528083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201861-1	TB-ROX-040921-8011-A	Total/NA	Water	8011	
400-201861-3	MW26-ROX-040921	Total/NA	Water	8011	
400-201861-4	TB-ROX-040921-8011-B	Total/NA	Water	8011	
400-201861-6	MW14-ROX-040921	Total/NA	Water	8011	
400-201861-7	P66-ROX-040921	Total/NA	Water	8011	
MB 400-528083/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-528083/2-A	Lab Control Sample	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 528083 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 400-528083/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 528112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201861-1	TB-ROX-040921-8011-A	Total/NA	Water	8011	528083
400-201861-3	MW26-ROX-040921	Total/NA	Water	8011	528083
400-201861-4	TB-ROX-040921-8011-B	Total/NA	Water	8011	528083
400-201861-6	MW14-ROX-040921	Total/NA	Water	8011	528083
400-201861-7	P66-ROX-040921	Total/NA	Water	8011	528083
MB 400-528083/1-A	Method Blank	Total/NA	Water	8011	528083
LCS 400-528083/2-A	Lab Control Sample	Total/NA	Water	8011	528083
LCSD 400-528083/3-A	Lab Control Sample Dup	Total/NA	Water	8011	528083

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-528806/4
Matrix: Water
Analysis Batch: 528806

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			04/23/21 09:28	1
Acrolein	ND		20	10	ug/L			04/23/21 09:28	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/21 09:28	1
Benzene	ND		1.0	0.38	ug/L			04/23/21 09:28	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/21 09:28	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/21 09:28	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Bromoform	ND		5.0	0.71	ug/L			04/23/21 09:28	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/21 09:28	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/21 09:28	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/21 09:28	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/21 09:28	1
Chloroform	ND		1.0	0.60	ug/L			04/23/21 09:28	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/23/21 09:28	1
Chloromethane	ND		1.0	0.83	ug/L			04/23/21 09:28	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 09:28	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 09:28	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/21 09:28	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/21 09:28	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/21 09:28	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/21 09:28	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 09:28	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/21 09:28	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/21 09:28	1
2-Hexanone	ND		25	3.1	ug/L			04/23/21 09:28	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/21 09:28	1
Methylene bromide	ND		5.0	0.59	ug/L			04/23/21 09:28	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/21 09:28	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/21 09:28	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/23/21 09:28	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/23/21 09:28	1
Naphthalene	ND		1.0	1.0	ug/L			04/23/21 09:28	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/21 09:28	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/21 09:28	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/21 09:28	1
o-Xylene	ND		5.0	0.60	ug/L			04/23/21 09:28	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/21 09:28	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-528806/4
Matrix: Water
Analysis Batch: 528806

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			04/23/21 09:28	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/23/21 09:28	1
Styrene	ND		1.0	1.0	ug/L			04/23/21 09:28	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/21 09:28	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/23/21 09:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/23/21 09:28	1
Toluene	ND		1.0	0.41	ug/L			04/23/21 09:28	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 09:28	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 09:28	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/23/21 09:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/21 09:28	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/23/21 09:28	1
Trichloroethene	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/23/21 09:28	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/21 09:28	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/21 09:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/21 09:28	1
Vinyl acetate	ND		25	2.0	ug/L			04/23/21 09:28	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Xylenes, Total	ND		10	1.6	ug/L			04/23/21 09:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/23/21 09:28*	*1*
Dibromofluoromethane	*95*		*81 - 121*		*04/23/21 09:28*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/23/21 09:28*	*1*

Lab Sample ID: LCS 400-528806/1002
Matrix: Water
Analysis Batch: 528806

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	241		ug/L		120	43 - 160
Acrolein	500	546		ug/L		109	38 - 160
Acrylonitrile	500	696		ug/L		139	64 - 142
Benzene	50.0	47.9		ug/L		96	70 - 130
Bromobenzene	50.0	49.4		ug/L		99	70 - 132
Bromochloromethane	50.0	51.7		ug/L		103	70 - 130
Bromodichloromethane	50.0	44.4		ug/L		89	67 - 133
Bromoform	50.0	47.9		ug/L		96	57 - 140
Bromomethane	50.0	45.8		ug/L		92	10 - 160
2-Butanone (MEK)	200	212		ug/L		106	61 - 145
Carbon disulfide	50.0	44.8		ug/L		90	61 - 137
Carbon tetrachloride	50.0	50.9		ug/L		102	61 - 137
Chlorobenzene	50.0	48.3		ug/L		97	70 - 130
Dibromochloromethane	50.0	46.9		ug/L		94	67 - 135
Chloroethane	50.0	61.9		ug/L		124	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528806/1002
Matrix: Water
Analysis Batch: 528806

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	54.2		ug/L		108	10 - 160
Chloroform	50.0	47.3		ug/L		95	69 - 130
1-Chlorohexane	50.0	57.1		ug/L		114	69 - 130
Chloromethane	50.0	62.2		ug/L		124	58 - 137
cis-1,2-Dichloroethene	50.0	61.2		ug/L		122	68 - 130
cis-1,3-Dichloropropene	50.0	47.4		ug/L		95	69 - 132
1,2-Dichlorobenzene	50.0	46.5		ug/L		93	67 - 130
1,3-Dichlorobenzene	50.0	48.5		ug/L		97	70 - 130
1,4-Dichlorobenzene	50.0	48.9		ug/L		98	70 - 130
Dichlorodifluoromethane	50.0	63.4		ug/L		127	41 - 146
1,1-Dichloroethane	50.0	64.5		ug/L		129	70 - 130
1,2-Dichloroethane	50.0	55.2		ug/L		110	69 - 130
1,1-Dichloroethene	50.0	46.7		ug/L		93	63 - 134
1,2-Dichloropropane	50.0	57.6		ug/L		115	70 - 130
1,3-Dichloropropane	50.0	45.3		ug/L		91	70 - 130
2,2-Dichloropropane	50.0	47.0		ug/L		94	52 - 135
1,1-Dichloropropene	50.0	49.3		ug/L		99	70 - 130
Ethylbenzene	50.0	44.3		ug/L		89	70 - 130
Ethyl methacrylate	50.0	43.5		ug/L		87	68 - 130
Hexachlorobutadiene	50.0	52.1		ug/L		104	53 - 140
2-Hexanone	200	239		ug/L		119	65 - 137
Isopropylbenzene	50.0	45.6		ug/L		91	70 - 130
Methylene bromide	50.0	44.6		ug/L		89	70 - 130
Methylene Chloride	50.0	45.0		ug/L		90	66 - 135
4-Methyl-2-pentanone (MIBK)	200	248		ug/L		124	69 - 138
Methyl tert-butyl ether	50.0	46.0		ug/L		92	66 - 130
m-Xylene & p-Xylene	50.0	43.8		ug/L		88	70 - 130
Naphthalene	50.0	58.0		ug/L		116	47 - 149
n-Butylbenzene	50.0	42.0		ug/L		84	67 - 130
N-Propylbenzene	50.0	45.7		ug/L		91	70 - 130
o-Chlorotoluene	50.0	41.9		ug/L		84	70 - 130
o-Xylene	50.0	42.8		ug/L		86	70 - 130
p-Chlorotoluene	50.0	42.2		ug/L		84	70 - 130
p-Isopropyltoluene	50.0	49.3		ug/L		99	65 - 130
sec-Butylbenzene	50.0	44.5		ug/L		89	66 - 130
Styrene	50.0	45.5		ug/L		91	70 - 130
tert-Butylbenzene	50.0	44.0		ug/L		88	64 - 139
1,1,1,2-Tetrachloroethane	50.0	48.8		ug/L		98	67 - 131
1,1,2,2-Tetrachloroethane	50.0	41.8		ug/L		84	70 - 131
Tetrachloroethene	50.0	49.1		ug/L		98	65 - 130
Toluene	50.0	45.2		ug/L		90	70 - 130
trans-1,2-Dichloroethene	50.0	48.7		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	45.3		ug/L		91	63 - 130
1,2,3-Trichlorobenzene	50.0	53.5		ug/L		107	60 - 138
1,2,4-Trichlorobenzene	50.0	53.2		ug/L		106	60 - 140
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	68 - 130
1,1,2-Trichloroethane	50.0	42.8		ug/L		86	70 - 130
Trichloroethene	50.0	53.2		ug/L		106	70 - 130
Trichlorofluoromethane	50.0	60.1		ug/L		120	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528806/1002
Matrix: Water
Analysis Batch: 528806

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	44.5		ug/L		89	70 - 130
1,2,4-Trimethylbenzene	50.0	43.9		ug/L		88	70 - 130
1,3,5-Trimethylbenzene	50.0	44.8		ug/L		90	69 - 130
Vinyl acetate	100	106		ug/L		106	26 - 160
Vinyl chloride	50.0	75.3	*+	ug/L		151	59 - 136
Xylenes, Total	100	86.7		ug/L		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*95*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-527531/1-A
Matrix: Water
Analysis Batch: 527703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		04/14/21 10:52	04/15/21 18:41	1
Benzenethiol	ND		10	1.7	ug/L		04/14/21 10:52	04/15/21 18:41	1
Benzoic acid	ND		30	7.3	ug/L		04/14/21 10:52	04/15/21 18:41	1
Benzyl alcohol	ND		10	2.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/14/21 10:52	04/15/21 18:41	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/14/21 10:52	04/15/21 18:41	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/14/21 10:52	04/15/21 18:41	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/14/21 10:52	04/15/21 18:41	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Chloroaniline	ND		10	3.4	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		04/14/21 10:52	04/15/21 18:41	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/14/21 10:52	04/15/21 18:41	1
2-Chlorophenol	ND		10	2.2	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Dibenzofuran	ND		10	0.17	ug/L		04/14/21 10:52	04/15/21 18:41	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Diethyl phthalate	ND		10	0.24	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		04/14/21 10:52	04/15/21 18:41	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/14/21 10:52	04/15/21 18:41	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/14/21 10:52	04/15/21 18:41	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/14/21 10:52	04/15/21 18:41	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/14/21 10:52	04/15/21 18:41	1
1,4-Dioxane	ND		10	1.0	ug/L		04/14/21 10:52	04/15/21 18:41	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-527531/1-A
Matrix: Water
Analysis Batch: 527703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/14/21 10:52	04/15/21 18:41	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/14/21 10:52	04/15/21 18:41	1
Hexachloroethane	ND		10	4.2	ug/L		04/14/21 10:52	04/15/21 18:41	1
Indene	ND		10	1.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Isophorone	ND		10	0.14	ug/L		04/14/21 10:52	04/15/21 18:41	1
2-Methylphenol	ND		10	1.8	ug/L		04/14/21 10:52	04/15/21 18:41	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/14/21 10:52	04/15/21 18:41	1
2-Nitroaniline	ND		10	2.2	ug/L		04/14/21 10:52	04/15/21 18:41	1
3-Nitroaniline	ND		10	1.8	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Nitroaniline	ND		10	1.5	ug/L		04/14/21 10:52	04/15/21 18:41	1
Nitrobenzene	ND		10	0.13	ug/L		04/14/21 10:52	04/15/21 18:41	1
2-Nitrophenol	ND		10	5.2	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Nitrophenol	ND		10	2.1	ug/L		04/14/21 10:52	04/15/21 18:41	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		04/14/21 10:52	04/15/21 18:41	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		04/14/21 10:52	04/15/21 18:41	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/14/21 10:52	04/15/21 18:41	1
Pentachlorophenol	ND		20	1.4	ug/L		04/14/21 10:52	04/15/21 18:41	1
Phenol	ND		10	2.6	ug/L		04/14/21 10:52	04/15/21 18:41	1
Pyridine	ND		10	3.2	ug/L		04/14/21 10:52	04/15/21 18:41	1
Quinoline	ND		10	4.5	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/14/21 10:52	04/15/21 18:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*46 - 124*	*04/14/21 10:52*	*04/15/21 18:41*	*1*
2-Fluorophenol	*26*		*13 - 113*	*04/14/21 10:52*	*04/15/21 18:41*	*1*
Nitrobenzene-d5	*76*		*36 - 126*	*04/14/21 10:52*	*04/15/21 18:41*	*1*
Phenol-d5	*63*		*17 - 127*	*04/14/21 10:52*	*04/15/21 18:41*	*1*
Terphenyl-d14	*90*		*44 - 149*	*04/14/21 10:52*	*04/15/21 18:41*	*1*
2,4,6-Tribromophenol	*56*		*26 - 150*	*04/14/21 10:52*	*04/15/21 18:41*	*1*

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	66.2		ug/L		55	21 - 120
Benzoic acid	502	274		ug/L		55	10 - 144
Benzyl alcohol	120	66.7		ug/L		56	28 - 120
Bis(2-chloroethoxy)methane	120	55.9		ug/L		47	47 - 120
Bis(2-chloroethyl)ether	120	54.0		ug/L		45	44 - 120
bis (2-chloroisopropyl) ether	120	59.3		ug/L		49	33 - 121
Bis(2-ethylhexyl) phthalate	120	70.6		ug/L		59	52 - 147
4-Bromophenyl phenyl ether	120	70.2		ug/L		59	54 - 122
Butyl benzyl phthalate	120	74.9		ug/L		62	54 - 133
4-Chloroaniline	120	53.1		ug/L		44	26 - 120
4-Chloro-3-methylphenol	120	73.5		ug/L		61	48 - 131

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	120	62.7		ug/L		52	52 - 121
2-Chlorophenol	120	52.9		ug/L		44	40 - 120
4-Chlorophenyl phenyl ether	120	69.8		ug/L		58	56 - 125
Dibenz[a,h]acridine	120	97.2		ug/L		81	31 - 150
Dibenzofuran	120	67.3		ug/L		56	56 - 122
3,3'-Dichlorobenzidine	160	165		ug/L		103	36 - 132
2,4-Dichlorophenol	120	62.3		ug/L		52	49 - 120
Diethyl phthalate	120	72.5		ug/L		60	50 - 137
2,4-Dimethylphenol	120	65.1		ug/L		54	48 - 120
Dimethyl phthalate	120	70.2		ug/L		58	57 - 124
Di-n-butyl phthalate	120	80.7		ug/L		67	58 - 126
4,6-Dinitro-ortho-cresol	240	150		ug/L		63	23 - 148
2,4-Dinitrophenol	240	184		ug/L		77	10 - 150
2,4-Dinitrotoluene	120	75.4		ug/L		63	54 - 142
2,6-Dinitrotoluene	120	72.1		ug/L		60	55 - 130
Di-n-octyl phthalate	120	67.6	*-	ug/L		56	57 - 138
1,4-Dioxane	120	43.7		ug/L		36	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	62.9		ug/L		52	45 - 124
Hexachlorobenzene	120	75.2		ug/L		63	52 - 129
Hexachlorocyclopentadiene	120	47.3		ug/L		39	10 - 134
Hexachloroethane	120	66.2		ug/L		55	20 - 120
Indene	120	99.5		ug/L		83	49 - 120
Isophorone	120	60.5		ug/L		50	48 - 120
2-Methylphenol	120	69.7		ug/L		58	46 - 124
3 & 4 Methylphenol	120	61.8		ug/L		52	45 - 120
2-Nitroaniline	120	66.8		ug/L		56	51 - 145
3-Nitroaniline	120	60.5		ug/L		50	37 - 127
4-Nitroaniline	120	55.0		ug/L		46	36 - 137
Nitrobenzene	120	57.2		ug/L		48	45 - 120
2-Nitrophenol	120	65.3		ug/L		54	40 - 124
4-Nitrophenol	240	139		ug/L		58	23 - 146
N-Nitrosodimethylamine	120	68.8		ug/L		57	29 - 137
N-Nitrosodi-n-propylamine	120	66.4		ug/L		55	45 - 120
N-Nitrosodiphenylamine	119	63.8		ug/L		54	54 - 120
Pentachlorophenol	240	126		ug/L		52	31 - 130
Phenol	120	52.3		ug/L		44	11 - 120
Pyridine	240	88.3		ug/L		37	16 - 120
Quinoline	120	105		ug/L		88	49 - 130
2,4,5-Trichlorophenol	120	69.8		ug/L		58	51 - 136
2,4,6-Trichlorophenol	120	65.2		ug/L		54	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*46 - 124*
2-Fluorophenol	*40*		*13 - 113*
Nitrobenzene-d5	*84*		*36 - 126*
Phenol-d5	*76*		*17 - 127*
Terphenyl-d14	*97*		*44 - 149*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	96		26 - 150

Lab Sample ID: LCS 400-527531/3-A
Matrix: Water
Analysis Batch: 527703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	41.0		ug/L		34	10 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	80		46 - 124
2-Fluorophenol	49		13 - 113
Nitrobenzene-d5	78		36 - 126
Phenol-d5	73		17 - 127
Terphenyl-d14	97		44 - 149
2,4,6-Tribromophenol	68		26 - 150

Lab Sample ID: LCSD 400-527531/4-A
Matrix: Water
Analysis Batch: 527703

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	38.3		ug/L		32	10 - 120	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	78		46 - 124
2-Fluorophenol	38		13 - 113
Nitrobenzene-d5	76		36 - 126
Phenol-d5	72		17 - 127
Terphenyl-d14	90		44 - 149
2,4,6-Tribromophenol	62		26 - 150

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-527531/1-A
Matrix: Water
Analysis Batch: 527823

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		04/14/21 10:52	04/16/21 18:28	1
Acenaphthylene	ND		0.20	0.045	ug/L		04/14/21 10:52	04/16/21 18:28	1
Anthracene	ND		0.20	0.032	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/14/21 10:52	04/16/21 18:28	1
Chrysene	ND		0.20	0.074	ug/L		04/14/21 10:52	04/16/21 18:28	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 400-527531/1-A
Matrix: Water
Analysis Batch: 527823

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		04/14/21 10:52	04/16/21 18:28	1
Fluoranthene	ND		0.20	0.068	ug/L		04/14/21 10:52	04/16/21 18:28	1
Fluorene	ND		0.20	0.11	ug/L		04/14/21 10:52	04/16/21 18:28	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/14/21 10:52	04/16/21 18:28	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		04/14/21 10:52	04/16/21 18:28	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		04/14/21 10:52	04/16/21 18:28	1
Phenanthrene	ND		0.20	0.036	ug/L		04/14/21 10:52	04/16/21 18:28	1
Pyrene	ND		0.20	0.040	ug/L		04/14/21 10:52	04/16/21 18:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*15 - 122*	*04/14/21 10:52*	*04/16/21 18:28*	*1*
Nitrobenzene-d5	*89*		*19 - 130*	*04/14/21 10:52*	*04/16/21 18:28*	*1*
Terphenyl-d14	*105*		*33 - 138*	*04/14/21 10:52*	*04/16/21 18:28*	*1*

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527823

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	69.1		ug/L		58	41 - 120
Acenaphthylene	120	65.6		ug/L		55	44 - 120
Anthracene	120	69.7		ug/L		58	49 - 120
Benzo[a]anthracene	120	74.7		ug/L		62	61 - 135
Benzo[a]pyrene	120	78.9		ug/L		66	52 - 120
Benzo[b]fluoranthene	120	82.3		ug/L		69	53 - 134
Benzo[g,h,i]perylene	120	87.3		ug/L		73	47 - 133
Benzo[k]fluoranthene	120	73.2		ug/L		61	57 - 134
Chrysene	120	74.2		ug/L		62	55 - 122
Dibenz(a,h)anthracene	120	89.8		ug/L		75	48 - 146
Fluoranthene	120	77.6		ug/L		65	54 - 128
Fluorene	120	73.8		ug/L		61	45 - 125
Indeno[1,2,3-cd]pyrene	120	91.6		ug/L		76	43 - 142
1-Methylnaphthalene	120	67.3		ug/L		56	41 - 120
2-Methylnaphthalene	120	69.9		ug/L		58	32 - 124
Phenanthrene	120	77.6		ug/L		65	48 - 120
Pyrene	120	71.3		ug/L		59	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*93*		*15 - 122*
Nitrobenzene-d5	*94*		*19 - 130*
Terphenyl-d14	*105*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-528083/1-A
Matrix: Water
Analysis Batch: 528112

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528083

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		04/19/21 09:01	04/19/21 12:07	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/19/21 09:01	04/19/21 12:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*73*		*51 - 149*	*04/19/21 09:01*	*04/19/21 12:07*	*1*

Lab Sample ID: LCS 400-528083/2-A
Matrix: Water
Analysis Batch: 528112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528083

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.0864		ug/L		86	60 - 140
1,2-Dibromoethane	0.101	0.0884		ug/L		88	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*80*		*51 - 149*

Lab Sample ID: LCSD 400-528083/3-A
Matrix: Water
Analysis Batch: 528112

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528083

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.101	0.0709		ug/L		71	60 - 140	20	30
1,2-Dibromoethane	0.101	0.100		ug/L		99	60 - 140	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*85*		*51 - 149*

LAB (LOCATION)

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))

☐ Other (_____)

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 – 3.2.2F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 4/9/21

PAGE: 1 of 2

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

AECOM Project / Task Number: Roxana Quarterly GW 60648474 – 3.2.2F

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: elizabeth.kunkel@aecom.com; melissa.remiger@aecom.com; bob.billman@aecom.com; wendy.pennington@aecom.com

AECOM Other ID

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): Aaron Oliver, Tony Jones

LAB USE ONLY

400-201861 COC

FIELD

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

TEMPERATURE ON RECEIPT C°

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

60648474 – 3.2.2F

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270LL	Container PID Readings or Laboratory Notes
	TB-ROX-040921-8011-A	4/9/21	00:00	Water	2					2		X			
	TB-ROX-040921-8260-A	4/9/21	00:00	↓	2					2	X				
	MW26-ROX-040921	4/9/21	0935	↓	6			2		8	X	X	X	X	

AO

4/9/21

Relinquished by: (Signature)

Received by: (Signature) Fedex: 9509 0064 1489 / 9509 0064 1490 Date: 4/9/21 Time: 1500

Relinquished by: (Signature)

Received by: (Signature) Date: 4-10-21 Time: 1250

Relinquished by: (Signature)

Received by: (Signature) 4.2°C, 4.9°C IR-8 Date Time

CUSTODY SEALS: 1450618 / 1450619 / 1450617 / 1450616

Version: 2Apr21

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4/27/2021

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 (_____)

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	☐ CHECK IF NO INCIDENT # APPLIES
Bob Mooshegian	25278	DATE: 4/9/21
PO #	GSAP Project ID	PAGE: 2 of 2
60648474 – 3.2.2F	USPC/00114/R/02	

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 – 3.2.2F

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
60648474 – 3.2.2F

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270LL
	TB-ROX-040921-8011-B	4/9/21	0000	Water	2					2		X		
	TB-ROX-040921-8260-B		0000		2					2	X			
	MW14-ROX-040921		1145		6			2		8	X	X	X	X
	P66-ROX-040921		1245		6			2		8	X	X	X	X

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
Container PID Readings or Laboratory Notes

Relinquished by: (Signature) MD'Angelo — Received by: (Signature) Fedex: See pg 1 — Date 4/9/21 — Time 1500
Relinquished by: (Signature) — Received by: (Signature) — Date 4-10-21 — Time 1250
Relinquished by: (Signature) — Received by: (Signature) — Date — Time

CUSTODY SEALS: See pg 1

Version: 2Apr21

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4/27/2021

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-201861-1

Login Number: 201861
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	4.2°C 4.9°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: 400-201861-1

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
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
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	P330-21-00056	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 – 2nd Quarter 2021 Data Review

Laboratory SDG: 400-201867-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 6/7/2021

Guidance: USEPA National Functional Guidelines for Organic Superfund Methods Data Review 2020

Sample Identification	Sample Identification
TB-ROX-040921-8011-SS-A	TB-ROX-040921-8260-SS-A
P93C-ROX-040921-EB	P93C-ROX-040921
TB-ROX-040921-8011-SS-B	TB-ROX-040921-8260-SS-B
P56-ROX-040921	

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-analyzed outside of the extraction time criteria in sample P56-ROX-040921. Although not indicated in the laboratory case narrative, diethyl phthalate was detected in the equipment blank. Several VOC and SVOC LCS recoveries for several analytes were outside evaluation criteria. The SVOC surrogate recovery for nitrobenzene-d_5 was outside criteria in sample P56-ROX-040921. 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 in sample P56-ROX-040921 was re-extracted 17 days outside extraction holding time criteria (7 days) and then re-analyzed for confirmation. Analytical data requiring qualification is summarized in the table below.

Sample ID	Parameter	Analyte	Qualification
P56-ROX-040921 – RE	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
P93C-ROX-040921-EB	SVOCs	Diethyl phthalate	0.41 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
P93C-ROX-040921	SVOCs	Diethyl phthalate	-	**U**

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS ID	Parameter	Analyte	LCS Recovery	LCS Criteria
LCS 400-528639/1002	VOCs	Acrylonitrile	**155**	64-142
LCS 400-528639/1002	VOCs	cis-1,2-Dichloroethene	**142**	68-130
LCS 400-528639/1002	VOCs	1,1-Dichloroethane	**147**	70-130
LCS 400-528639/1002	VOCs	1,2-Dichloropropane	**134**	70-130
LCS 400-528639/1002	VOCs	Vinyl chloride	**160**	59-136
LCS 400-527531/2-A	SVOCs	Di-n-octyl phthalate	**56**	57-138

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.

Sample ID	Parameter	Analyte	Qualification
P93C-ROX-040921	SVOCs	Di-n-octyl phthalate	**UJ**
P56-ROX-040921	SVOCs	Di-n-octyl phthalate	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P56-ROX-040921	SVOCs	Nitrobenzene-d_5	**130**	36-126

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?

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?

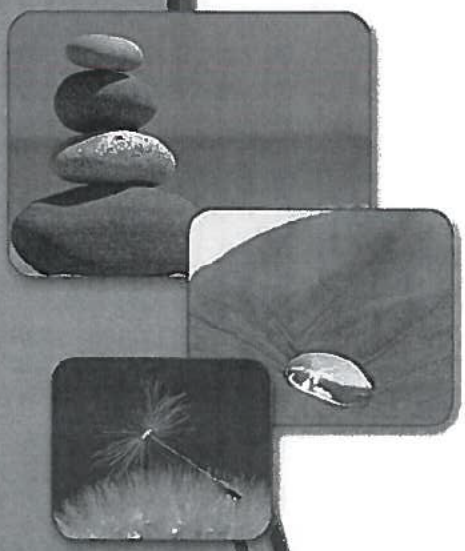
Not applicable; samples analyzed did not require dilution.

12.0 Additional Qualifications

Were additional qualifications applied?

No

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-201867-1
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:
5/14/2021 3:19:21 PM

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

Reviewed 6/7/21 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: 400-201867-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-201867-1

Comments
No additional comments.

Receipt
The samples were received on 4/10/2021 12:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.2° C and 4.9° C.

GC/MS VOA
Method 8260B: The continuing calibration verification (CCV) associated with batch 400-528639 recovered above the upper control limit for 1,2-Dichloropropane, Acrylonitrile and Vinyl chloride . 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 400-528639 recovered outside control limits for the following analyte: Vinyl chloride. 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-040921-8260-SS-A (400-201867-2), P93C-ROX-040921-EB (400-201867-3), P93C-ROX-040921 (400-201867-4), TB-ROX-040921-8260-SS-B (400-201867-6) and P56-ROX-040921 (400-201867-7). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and acrylonitrile, acid-labile compounds that degrades in an acidic medium.

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 400-528639 recovered outside control limits for the following analytes: 1,1-Dichloroethane, 1,2-Dichloropropane, Acrylonitrile, cis-1,2-Dichloroethene and Vinyl chloride. These analytes were biased high in the LCS and were not detected in the associated samples; 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.

/MS Semi VOA
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: P56-ROX-040921 (400-201867-7). These results have been reported and qualified.

Method 8270D: The following analyte(s) recovered outside control limits for the LCS associated with preparation batch 400-527531 and analytical batch 400-527835: Di-n-octyl phthalate. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270D: The following sample was re-prepared outside of preparation holding time due to the confirmation of Bis(2-ethylhexyl) phthalate detection. P56-ROX-040921 (400-201867-7).

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-530245 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate. 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.

GC Semi VOA
Method 8011: The continuing calibration verification (CCV) associated with batch 400-527712 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane and Ethylene Dibromide. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Job ID: 400-201867-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

Method 8011: The continuing calibration verification (CCV) associated with batch 400-527712 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: 400-201867-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-201867-1	TB-ROX-040921-8011-SS-A	Water	04/09/21 00:00	04/10/21 12:50	
400-201867-2	TB-ROX-040921-8260-SS-A	Water	04/09/21 00:00	04/10/21 12:50	
400-201867-3	P93C-ROX-040921-EB	Water	04/09/21 11:50	04/10/21 12:50	
400-201867-4	P93C-ROX-040921	Water	04/09/21 12:30	04/10/21 12:50	
400-201867-5	TB-ROX-040921-8011-SS-B	Water	04/09/21 00:00	04/10/21 12:50	
400-201867-6	TB-ROX-040921-8260-SS-B	Water	04/09/21 00:00	04/10/21 12:50	
400-201867-7	P56-ROX-040921	Water	04/09/21 10:20	04/10/21 12:50	

Detection Summary

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

Job ID: 400-201867-1

Client Sample ID: TB-ROX-040921-8011-SS-A — Lab Sample ID: 400-201867-1

No Detections.

Client Sample ID: TB-ROX-040921-8260-SS-A — Lab Sample ID: 400-201867-2

No Detections.

Client Sample ID: P93C-ROX-040921-EB — Lab Sample ID: 400-201867-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	0.41	J	9.4	0.23	ug/L	1		8270D	Total/NA

Client Sample ID: P93C-ROX-040921 — Lab Sample ID: 400-201867-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	2.9		1.0	0.74	ug/L	1		8260B	Total/NA
Diethyl phthalate	~~0.37~~	J	9.6	0.23	ug/L	1		8270D	Total/NA

Client Sample ID: TB-ROX-040921-8011-SS-B — Lab Sample ID: 400-201867-5

No Detections.

Client Sample ID: TB-ROX-040921-8260-SS-B — Lab Sample ID: 400-201867-6

No Detections.

Client Sample ID: P56-ROX-040921 — Lab Sample ID: 400-201867-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	170		25	10	ug/L	1		8260B	Total/NA
2-Butanone (MEK)	12	J	25	2.6	ug/L	1		8260B	Total/NA
Ethylbenzene	1.0		1.0	0.50	ug/L	1		8260B	Total/NA
Isopropylbenzene	8.5		1.0	0.53	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	8.1		5.0	1.6	ug/L	1		8260B	Total/NA
Naphthalene	1.6		1.0	1.0	ug/L	1		8260B	Total/NA
N-Propylbenzene	7.9		1.0	0.69	ug/L	1		8260B	Total/NA
sec-Butylbenzene	0.89	J	1.0	0.70	ug/L	1		8260B	Total/NA
Toluene	0.60	J	1.0	0.41	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	1.7		1.0	0.82	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	0.74	J	1.0	0.56	ug/L	1		8260B	Total/NA
Xylenes, Total	8.5	J	10	1.6	ug/L	1		8260B	Total/NA
Anthracene	0.090	J	0.21	0.033	ug/L	1		8270D LL	Total/NA
Fluorene	0.42		0.21	0.11	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	14		0.21	0.076	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	13		0.21	0.062	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.86		0.21	0.037	ug/L	1		8270D LL	Total/NA
Bis(2-ethylhexyl) phthalate	6.8	J	10	5.2	ug/L	1		8270D	Total/NA
Diethyl phthalate	0.51	J	10	0.25	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: 400-201867-1

Client Sample ID: TB-ROX-040921-8011-SS-A
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-1
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		0.029	0.0054	ug/L		04/15/21 09:24	04/15/21 19:21	1
1,2-Dibromoethane	ND		0.019	0.0049	ug/L		04/15/21 09:24	04/15/21 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*	*p*	*51 - 149*	*04/15/21 09:24*	*04/15/21 19:21*	*1*

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

Job ID: 400-201867-1

Client Sample ID: TB-ROX-040921-8260-SS-A
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-2
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			04/22/21 17:38	1
Acrolein	ND		20	10	ug/L			04/22/21 17:38	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/22/21 17:38	1
Benzene	ND		1.0	0.38	ug/L			04/22/21 17:38	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/21 17:38	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/21 17:38	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/21 17:38	1
Bromoform	ND		5.0	0.71	ug/L			04/22/21 17:38	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/21 17:38	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/22/21 17:38	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/21 17:38	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/22/21 17:38	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/22/21 17:38	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/22/21 17:38	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/21 17:38	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/22/21 17:38	1
Chloroform	ND		1.0	0.60	ug/L			04/22/21 17:38	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/22/21 17:38	1
Chloromethane	ND		1.0	0.83	ug/L			04/22/21 17:38	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.50	ug/L			04/22/21 17:38	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 17:38	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/21 17:38	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/21 17:38	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/21 17:38	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/21 17:38	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/22/21 17:38	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/22/21 17:38	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 17:38	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			04/22/21 17:38	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 17:38	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 17:38	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/22/21 17:38	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/22/21 17:38	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/21 17:38	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/21 17:38	1
2-Hexanone	ND		25	3.1	ug/L			04/22/21 17:38	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/22/21 17:38	1
Methylene bromide	ND		5.0	0.59	ug/L			04/22/21 17:38	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/21 17:38	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/21 17:38	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/22/21 17:38	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/22/21 17:38	1
Naphthalene	ND		1.0	1.0	ug/L			04/22/21 17:38	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/22/21 17:38	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/22/21 17:38	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/21 17:38	1
o-Xylene	ND		5.0	0.60	ug/L			04/22/21 17:38	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/21 17:38	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/22/21 17:38	1

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

Job ID: 400-201867-1

Client Sample ID: TB-ROX-040921-8260-SS-A
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-2
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			04/22/21 17:38	1
Styrene	ND		1.0	1.0	ug/L			04/22/21 17:38	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/22/21 17:38	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/22/21 17:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/21 17:38	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/22/21 17:38	1
Toluene	ND		1.0	0.41	ug/L			04/22/21 17:38	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 17:38	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 17:38	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/22/21 17:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/21 17:38	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/22/21 17:38	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/22/21 17:38	1
Trichloroethene	ND		1.0	0.50	ug/L			04/22/21 17:38	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/22/21 17:38	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/21 17:38	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/22/21 17:38	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/22/21 17:38	1
Vinyl acetate	ND		25	2.0	ug/L			04/22/21 17:38	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/22/21 17:38	1
Xylenes, Total	ND		10	1.6	ug/L			04/22/21 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/22/21 17:38*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*04/22/21 17:38*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/22/21 17:38*	*1*

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

Job ID: 400-201867-1

Client Sample ID: P93C-ROX-040921-EB
Date Collected: 04/09/21 11:50
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-3
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			04/22/21 18:02	1
Acrolein	ND		20	10	ug/L			04/22/21 18:02	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/22/21 18:02	1
Benzene	ND		1.0	0.38	ug/L			04/22/21 18:02	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/21 18:02	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/21 18:02	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/21 18:02	1
Bromoform	ND		5.0	0.71	ug/L			04/22/21 18:02	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/21 18:02	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/22/21 18:02	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/21 18:02	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/22/21 18:02	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/22/21 18:02	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/22/21 18:02	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/21 18:02	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/22/21 18:02	1
Chloroform	ND		1.0	0.60	ug/L			04/22/21 18:02	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/22/21 18:02	1
Chloromethane	ND		1.0	0.83	ug/L			04/22/21 18:02	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.50	ug/L			04/22/21 18:02	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 18:02	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/21 18:02	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/21 18:02	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/21 18:02	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/21 18:02	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/22/21 18:02	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/22/21 18:02	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 18:02	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			04/22/21 18:02	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 18:02	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 18:02	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/22/21 18:02	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/22/21 18:02	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/21 18:02	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/21 18:02	1
2-Hexanone	ND		25	3.1	ug/L			04/22/21 18:02	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/22/21 18:02	1
Methylene bromide	ND		5.0	0.59	ug/L			04/22/21 18:02	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/21 18:02	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/21 18:02	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/22/21 18:02	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/22/21 18:02	1
Naphthalene	ND		1.0	1.0	ug/L			04/22/21 18:02	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/22/21 18:02	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/22/21 18:02	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/21 18:02	1
o-Xylene	ND		5.0	0.60	ug/L			04/22/21 18:02	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/21 18:02	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/22/21 18:02	1

Client Sample ID: P93C-ROX-040921-EB
Date Collected: 04/09/21 11:50
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-3
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			04/22/21 18:02	1
Styrene	ND		1.0	1.0	ug/L			04/22/21 18:02	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/22/21 18:02	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/22/21 18:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/21 18:02	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/22/21 18:02	1
Toluene	ND		1.0	0.41	ug/L			04/22/21 18:02	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 18:02	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 18:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/22/21 18:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/21 18:02	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/22/21 18:02	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/22/21 18:02	1
Trichloroethene	ND		1.0	0.50	ug/L			04/22/21 18:02	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/22/21 18:02	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/21 18:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/22/21 18:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/22/21 18:02	1
Vinyl acetate	ND		25	2.0	ug/L			04/22/21 18:02	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/22/21 18:02	1
Xylenes, Total	ND		10	1.6	ug/L			04/22/21 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*04/22/21 18:02*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*04/22/21 18:02*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/22/21 18:02*	*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		04/14/21 10:52	04/16/21 22:37	1
Acenaphthylene	ND		0.19	0.042	ug/L		04/14/21 10:52	04/16/21 22:37	1
Anthracene	ND		0.19	0.030	ug/L		04/14/21 10:52	04/16/21 22:37	1
Benzo[a]anthracene	ND		0.19	0.043	ug/L		04/14/21 10:52	04/16/21 22:37	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/14/21 10:52	04/16/21 22:37	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		04/14/21 10:52	04/16/21 22:37	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/14/21 10:52	04/16/21 22:37	1
Benzo[k]fluoranthene	ND		0.19	0.094	ug/L		04/14/21 10:52	04/16/21 22:37	1
Chrysene	ND		0.19	0.070	ug/L		04/14/21 10:52	04/16/21 22:37	1
Dibenz(a,h)anthracene	ND		0.19	0.047	ug/L		04/14/21 10:52	04/16/21 22:37	1
Fluoranthene	ND		0.19	0.064	ug/L		04/14/21 10:52	04/16/21 22:37	1
Fluorene	ND		0.19	0.10	ug/L		04/14/21 10:52	04/16/21 22:37	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/14/21 10:52	04/16/21 22:37	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		04/14/21 10:52	04/16/21 22:37	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		04/14/21 10:52	04/16/21 22:37	1
Phenanthrene	ND		0.19	0.034	ug/L		04/14/21 10:52	04/16/21 22:37	1
Pyrene	ND		0.19	0.038	ug/L		04/14/21 10:52	04/16/21 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*94*		*15 - 122*	*04/14/21 10:52*	*04/16/21 22:37*	*1*
Nitrobenzene-d5	*80*		*19 - 130*	*04/14/21 10:52*	*04/16/21 22:37*	*1*

Client Sample ID: P93C-ROX-040921-EB
Date Collected: 04/09/21 11:50
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	95		33 - 138	04/14/21 10:52	04/16/21 22:37	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		04/14/21 10:52	04/16/21 14:39	1
Benzenethiol	ND		9.4	1.6	ug/L		04/14/21 10:52	04/16/21 14:39	1
Benzoic acid	ND		28	6.9	ug/L		04/14/21 10:52	04/16/21 14:39	1
Benzyl alcohol	ND		9.4	1.9	ug/L		04/14/21 10:52	04/16/21 14:39	1
Bis(2-chloroethoxy)methane	ND		9.4	0.15	ug/L		04/14/21 10:52	04/16/21 14:39	1
Bis(2-chloroethyl)ether	ND		9.4	2.5	ug/L		04/14/21 10:52	04/16/21 14:39	1
bis (2-chloroisopropyl) ether	ND		9.4	0.15	ug/L		04/14/21 10:52	04/16/21 14:39	1
Bis(2-ethylhexyl) phthalate	ND		9.4	4.7	ug/L		04/14/21 10:52	04/16/21 14:39	1
4-Bromophenyl phenyl ether	ND		9.4	0.19	ug/L		04/14/21 10:52	04/16/21 14:39	1
Butyl benzyl phthalate	ND		9.4	0.18	ug/L		04/14/21 10:52	04/16/21 14:39	1
4-Chloroaniline	ND		9.4	3.2	ug/L		04/14/21 10:52	04/16/21 14:39	1
4-Chloro-3-methylphenol	ND		9.4	3.6	ug/L		04/14/21 10:52	04/16/21 14:39	1
2-Chloronaphthalene	ND		9.4	0.13	ug/L		04/14/21 10:52	04/16/21 14:39	1
2-Chlorophenol	ND		9.4	2.1	ug/L		04/14/21 10:52	04/16/21 14:39	1
4-Chlorophenyl phenyl ether	ND		9.4	1.9	ug/L		04/14/21 10:52	04/16/21 14:39	1
Dibenz[a,h]acridine	ND		9.4	0.94	ug/L		04/14/21 10:52	04/16/21 14:39	1
Dibenzofuran	ND		9.4	0.16	ug/L		04/14/21 10:52	04/16/21 14:39	1
3,3'-Dichlorobenzidine	ND		9.4	2.5	ug/L		04/14/21 10:52	04/16/21 14:39	1
2,4-Dichlorophenol	ND		9.4	2.8	ug/L		04/14/21 10:52	04/16/21 14:39	1
Diethyl phthalate	0.41	J	9.4	0.23	ug/L		04/14/21 10:52	04/16/21 14:39	1
2,4-Dimethylphenol	ND		9.4	3.3	ug/L		04/14/21 10:52	04/16/21 14:39	1
Dimethyl phthalate	ND		9.4	0.16	ug/L		04/14/21 10:52	04/16/21 14:39	1
Di-n-butyl phthalate	ND		9.4	2.5	ug/L		04/14/21 10:52	04/16/21 14:39	1
4,6-Dinitro-ortho-cresol	ND		9.4	1.5	ug/L		04/14/21 10:52	04/16/21 14:39	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		04/14/21 10:52	04/16/21 14:39	1
2,4-Dinitrotoluene	ND		9.4	1.8	ug/L		04/14/21 10:52	04/16/21 14:39	1
2,6-Dinitrotoluene	ND		9.4	1.8	ug/L		04/14/21 10:52	04/16/21 14:39	1
Di-n-octyl phthalate	ND	*-	9.4	0.16	ug/L		04/14/21 10:52	04/16/21 14:39	1
1,4-Dioxane	ND		9.4	0.94	ug/L		04/14/21 10:52	04/16/21 14:39	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.4	0.94	ug/L		04/14/21 10:52	04/16/21 14:39	1
Hexachlorobenzene	ND		9.4	0.16	ug/L		04/14/21 10:52	04/16/21 14:39	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/14/21 10:52	04/16/21 14:39	1
Hexachloroethane	ND		9.4	4.0	ug/L		04/14/21 10:52	04/16/21 14:39	1
Indene	ND		9.4	0.94	ug/L		04/14/21 10:52	04/16/21 14:39	1
Isophorone	ND		9.4	0.13	ug/L		04/14/21 10:52	04/16/21 14:39	1
2-Methylphenol	ND		9.4	1.7	ug/L		04/14/21 10:52	04/16/21 14:39	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		04/14/21 10:52	04/16/21 14:39	1
2-Nitroaniline	ND		9.4	2.1	ug/L		04/14/21 10:52	04/16/21 14:39	1
3-Nitroaniline	ND		9.4	1.7	ug/L		04/14/21 10:52	04/16/21 14:39	1
4-Nitroaniline	ND		9.4	1.4	ug/L		04/14/21 10:52	04/16/21 14:39	1
Nitrobenzene	ND		9.4	0.12	ug/L		04/14/21 10:52	04/16/21 14:39	1
2-Nitrophenol	ND		9.4	4.9	ug/L		04/14/21 10:52	04/16/21 14:39	1
4-Nitrophenol	ND		9.4	2.0	ug/L		04/14/21 10:52	04/16/21 14:39	1
N-Nitrosodimethylamine	ND		9.4	3.3	ug/L		04/14/21 10:52	04/16/21 14:39	1

Client Sample ID: P93C-ROX-040921-EB
Date Collected: 04/09/21 11:50
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-3
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		04/14/21 10:52	04/16/21 14:39	1
N-Nitrosodiphenylamine	ND		9.4	0.17	ug/L		04/14/21 10:52	04/16/21 14:39	1
Pentachlorophenol	ND		19	1.3	ug/L		04/14/21 10:52	04/16/21 14:39	1
Phenol	ND		9.4	2.5	ug/L		04/14/21 10:52	04/16/21 14:39	1
Pyridine	ND		9.4	3.0	ug/L		04/14/21 10:52	04/16/21 14:39	1
Quinoline	ND		9.4	4.2	ug/L		04/14/21 10:52	04/16/21 14:39	1
2,4,5-Trichlorophenol	ND		9.4	3.5	ug/L		04/14/21 10:52	04/16/21 14:39	1
2,4,6-Trichlorophenol	ND		9.4	3.3	ug/L		04/14/21 10:52	04/16/21 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*46 - 124*	*04/14/21 10:52*	*04/16/21 14:39*	*1*
2-Fluorophenol	*25*		*13 - 113*	*04/14/21 10:52*	*04/16/21 14:39*	*1*
Nitrobenzene-d5	*65*		*36 - 126*	*04/14/21 10:52*	*04/16/21 14:39*	*1*
Phenol-d5	*49*		*17 - 127*	*04/14/21 10:52*	*04/16/21 14:39*	*1*
Terphenyl-d14	*81*		*44 - 149*	*04/14/21 10:52*	*04/16/21 14:39*	*1*
2,4,6-Tribromophenol	*60*		*26 - 150*	*04/14/21 10:52*	*04/16/21 14:39*	*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		0.029	0.0054	ug/L		04/15/21 09:24	04/15/21 19:41	1
1,2-Dibromoethane	ND		0.019	0.0049	ug/L		04/15/21 09:24	04/15/21 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*	*p*	*51 - 149*	*04/15/21 09:24*	*04/15/21 19:41*	*1*

Client Sample ID: P93C-ROX-040921
Date Collected: 04/09/21 12:30
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-4
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			04/22/21 19:41	1
Acrolein	ND		20	10	ug/L			04/22/21 19:41	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/22/21 19:41	1
Benzene	ND		1.0	0.38	ug/L			04/22/21 19:41	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/21 19:41	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/21 19:41	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/21 19:41	1
Bromoform	ND		5.0	0.71	ug/L			04/22/21 19:41	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/21 19:41	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/22/21 19:41	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/21 19:41	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/22/21 19:41	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/22/21 19:41	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/22/21 19:41	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/21 19:41	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/22/21 19:41	1
Chloroform	ND		1.0	0.60	ug/L			04/22/21 19:41	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/22/21 19:41	1
Chloromethane	ND		1.0	0.83	ug/L			04/22/21 19:41	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.50	ug/L			04/22/21 19:41	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 19:41	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/21 19:41	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/21 19:41	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/21 19:41	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/21 19:41	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/22/21 19:41	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/22/21 19:41	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 19:41	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			04/22/21 19:41	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 19:41	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 19:41	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/22/21 19:41	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/22/21 19:41	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/21 19:41	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/21 19:41	1
2-Hexanone	ND		25	3.1	ug/L			04/22/21 19:41	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/22/21 19:41	1
Methylene bromide	ND		5.0	0.59	ug/L			04/22/21 19:41	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/21 19:41	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/21 19:41	1
Methyl tert-butyl ether	2.9		1.0	0.74	ug/L			04/22/21 19:41	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/22/21 19:41	1
Naphthalene	ND		1.0	1.0	ug/L			04/22/21 19:41	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/22/21 19:41	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/22/21 19:41	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/21 19:41	1
o-Xylene	ND		5.0	0.60	ug/L			04/22/21 19:41	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/21 19:41	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/22/21 19:41	1

Client Sample ID: P93C-ROX-040921
Date Collected: 04/09/21 12:30
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-4
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			04/22/21 19:41	1
Styrene	ND		1.0	1.0	ug/L			04/22/21 19:41	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/22/21 19:41	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/22/21 19:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/21 19:41	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/22/21 19:41	1
Toluene	ND		1.0	0.41	ug/L			04/22/21 19:41	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 19:41	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 19:41	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/22/21 19:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/21 19:41	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/22/21 19:41	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/22/21 19:41	1
Trichloroethene	ND		1.0	0.50	ug/L			04/22/21 19:41	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/22/21 19:41	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/21 19:41	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/22/21 19:41	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/22/21 19:41	1
Vinyl acetate	ND		25	2.0	ug/L			04/22/21 19:41	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/22/21 19:41	1
Xylenes, Total	ND		10	1.6	ug/L			04/22/21 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/22/21 19:41*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*04/22/21 19:41*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/22/21 19:41*	*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		04/14/21 10:53	04/16/21 22:55	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/14/21 10:53	04/16/21 22:55	1
Anthracene	ND		0.19	0.031	ug/L		04/14/21 10:53	04/16/21 22:55	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		04/14/21 10:53	04/16/21 22:55	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/14/21 10:53	04/16/21 22:55	1
Benzo[b]fluoranthene	ND		0.19	0.033	ug/L		04/14/21 10:53	04/16/21 22:55	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/14/21 10:53	04/16/21 22:55	1
Benzo[k]fluoranthene	ND		0.19	0.096	ug/L		04/14/21 10:53	04/16/21 22:55	1
Chrysene	ND		0.19	0.071	ug/L		04/14/21 10:53	04/16/21 22:55	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		04/14/21 10:53	04/16/21 22:55	1
Fluoranthene	ND		0.19	0.065	ug/L		04/14/21 10:53	04/16/21 22:55	1
Fluorene	ND		0.19	0.11	ug/L		04/14/21 10:53	04/16/21 22:55	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/14/21 10:53	04/16/21 22:55	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/14/21 10:53	04/16/21 22:55	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		04/14/21 10:53	04/16/21 22:55	1
Phenanthrene	ND		0.19	0.034	ug/L		04/14/21 10:53	04/16/21 22:55	1
Pyrene	ND		0.19	0.038	ug/L		04/14/21 10:53	04/16/21 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*15 - 122*	*04/14/21 10:53*	*04/16/21 22:55*	*1*
Nitrobenzene-d5	*79*		*19 - 130*	*04/14/21 10:53*	*04/16/21 22:55*	*1*

Client Sample ID: P93C-ROX-040921
Date Collected: 04/09/21 12:30
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-4
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	93		33 - 138	04/14/21 10:53	04/16/21 22:55	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		04/14/21 10:53	04/16/21 15:01	1
Benzenethiol	ND		9.6	1.6	ug/L		04/14/21 10:53	04/16/21 15:01	1
Benzoic acid	ND		29	7.0	ug/L		04/14/21 10:53	04/16/21 15:01	1
Benzyl alcohol	ND		9.6	1.9	ug/L		04/14/21 10:53	04/16/21 15:01	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		04/14/21 10:53	04/16/21 15:01	1
Bis(2-chloroethyl)ether	ND		9.6	2.6	ug/L		04/14/21 10:53	04/16/21 15:01	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		04/14/21 10:53	04/16/21 15:01	1
Bis(2-ethylhexyl) phthalate	ND		9.6	4.8	ug/L		04/14/21 10:53	04/16/21 15:01	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		04/14/21 10:53	04/16/21 15:01	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		04/14/21 10:53	04/16/21 15:01	1
4-Chloroaniline	ND		9.6	3.3	ug/L		04/14/21 10:53	04/16/21 15:01	1
4-Chloro-3-methylphenol	ND		9.6	3.6	ug/L		04/14/21 10:53	04/16/21 15:01	1
2-Chloronaphthalene	ND		9.6	0.13	ug/L		04/14/21 10:53	04/16/21 15:01	1
2-Chlorophenol	ND		9.6	2.1	ug/L		04/14/21 10:53	04/16/21 15:01	1
4-Chlorophenyl phenyl ether	ND		9.6	1.9	ug/L		04/14/21 10:53	04/16/21 15:01	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		04/14/21 10:53	04/16/21 15:01	1
Dibenzofuran	ND		9.6	0.16	ug/L		04/14/21 10:53	04/16/21 15:01	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		04/14/21 10:53	04/16/21 15:01	1
2,4-Dichlorophenol	ND		9.6	2.9	ug/L		04/14/21 10:53	04/16/21 15:01	1
Diethyl phthalate	~~0.37~~ J U		9.6	0.23	ug/L		04/14/21 10:53	04/16/21 15:01	1
2,4-Dimethylphenol	ND		9.6	3.4	ug/L		04/14/21 10:53	04/16/21 15:01	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		04/14/21 10:53	04/16/21 15:01	1
Di-n-butyl phthalate	ND		9.6	2.6	ug/L		04/14/21 10:53	04/16/21 15:01	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		04/14/21 10:53	04/16/21 15:01	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/14/21 10:53	04/16/21 15:01	1
2,4-Dinitrotoluene	ND		9.6	1.8	ug/L		04/14/21 10:53	04/16/21 15:01	1
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		04/14/21 10:53	04/16/21 15:01	1
Di-n-octyl phthalate	ND	*- UJ	9.6	0.16	ug/L		04/14/21 10:53	04/16/21 15:01	1
1,4-Dioxane	ND		9.6	0.96	ug/L		04/14/21 10:53	04/16/21 15:01	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.96	ug/L		04/14/21 10:53	04/16/21 15:01	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		04/14/21 10:53	04/16/21 15:01	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/14/21 10:53	04/16/21 15:01	1
Hexachloroethane	ND		9.6	4.0	ug/L		04/14/21 10:53	04/16/21 15:01	1
Indene	ND		9.6	0.96	ug/L		04/14/21 10:53	04/16/21 15:01	1
Isophorone	ND		9.6	0.13	ug/L		04/14/21 10:53	04/16/21 15:01	1
2-Methylphenol	ND		9.6	1.7	ug/L		04/14/21 10:53	04/16/21 15:01	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		04/14/21 10:53	04/16/21 15:01	1
2-Nitroaniline	ND		9.6	2.1	ug/L		04/14/21 10:53	04/16/21 15:01	1
3-Nitroaniline	ND		9.6	1.7	ug/L		04/14/21 10:53	04/16/21 15:01	1
4-Nitroaniline	ND		9.6	1.4	ug/L		04/14/21 10:53	04/16/21 15:01	1
Nitrobenzene	ND		9.6	0.12	ug/L		04/14/21 10:53	04/16/21 15:01	1
2-Nitrophenol	ND		9.6	5.0	ug/L		04/14/21 10:53	04/16/21 15:01	1
4-Nitrophenol	ND		9.6	2.0	ug/L		04/14/21 10:53	04/16/21 15:01	1
N-Nitrosodimethylamine	ND		9.6	3.4	ug/L		04/14/21 10:53	04/16/21 15:01	1

Client Sample ID: P93C-ROX-040921
Date Collected: 04/09/21 12:30
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-4
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		9.6	3.2	ug/L		04/14/21 10:53	04/16/21 15:01	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		04/14/21 10:53	04/16/21 15:01	1
Pentachlorophenol	ND		19	1.3	ug/L		04/14/21 10:53	04/16/21 15:01	1
Phenol	ND		9.6	2.5	ug/L		04/14/21 10:53	04/16/21 15:01	1
Pyridine	ND		9.6	3.1	ug/L		04/14/21 10:53	04/16/21 15:01	1
Quinoline	ND		9.6	4.3	ug/L		04/14/21 10:53	04/16/21 15:01	1
2,4,5-Trichlorophenol	ND		9.6	3.5	ug/L		04/14/21 10:53	04/16/21 15:01	1
2,4,6-Trichlorophenol	ND		9.6	3.4	ug/L		04/14/21 10:53	04/16/21 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*46 - 124*	*04/14/21 10:53*	*04/16/21 15:01*	*1*
2-Fluorophenol	*33*		*13 - 113*	*04/14/21 10:53*	*04/16/21 15:01*	*1*
Nitrobenzene-d5	*76*		*36 - 126*	*04/14/21 10:53*	*04/16/21 15:01*	*1*
Phenol-d5	*67*		*17 - 127*	*04/14/21 10:53*	*04/16/21 15:01*	*1*
Terphenyl-d14	*90*		*44 - 149*	*04/14/21 10:53*	*04/16/21 15:01*	*1*
2,4,6-Tribromophenol	*84*		*26 - 150*	*04/14/21 10:53*	*04/16/21 15:01*	*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		0.030	0.0055	ug/L		04/15/21 09:24	04/15/21 20:01	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/15/21 09:24	04/15/21 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*116*	*p*	*51 - 149*	*04/15/21 09:24*	*04/15/21 20:01*	*1*

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

Job ID: 400-201867-1

Client Sample ID: TB-ROX-040921-8011-SS-B
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-5
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		0.030	0.0055	ug/L		04/15/21 09:24	04/15/21 20:21	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/15/21 09:24	04/15/21 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*	*p*	*51 - 149*	*04/15/21 09:24*	*04/15/21 20:21*	*1*

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

Job ID: 400-201867-1

Client Sample ID: TB-ROX-040921-8260-SS-B
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-6
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			04/22/21 18:27	1
Acrolein	ND		20	10	ug/L			04/22/21 18:27	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/22/21 18:27	1
Benzene	ND		1.0	0.38	ug/L			04/22/21 18:27	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/21 18:27	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/21 18:27	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/21 18:27	1
Bromoform	ND		5.0	0.71	ug/L			04/22/21 18:27	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/21 18:27	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/22/21 18:27	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/21 18:27	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/22/21 18:27	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/22/21 18:27	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/22/21 18:27	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/21 18:27	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/22/21 18:27	1
Chloroform	ND		1.0	0.60	ug/L			04/22/21 18:27	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/22/21 18:27	1
Chloromethane	ND		1.0	0.83	ug/L			04/22/21 18:27	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.50	ug/L			04/22/21 18:27	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 18:27	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/21 18:27	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/21 18:27	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/21 18:27	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/21 18:27	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/22/21 18:27	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/22/21 18:27	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 18:27	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			04/22/21 18:27	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 18:27	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 18:27	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/22/21 18:27	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/22/21 18:27	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/21 18:27	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/21 18:27	1
2-Hexanone	ND		25	3.1	ug/L			04/22/21 18:27	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/22/21 18:27	1
Methylene bromide	ND		5.0	0.59	ug/L			04/22/21 18:27	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/21 18:27	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/21 18:27	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/22/21 18:27	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/22/21 18:27	1
Naphthalene	ND		1.0	1.0	ug/L			04/22/21 18:27	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/22/21 18:27	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/22/21 18:27	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/21 18:27	1
o-Xylene	ND		5.0	0.60	ug/L			04/22/21 18:27	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/21 18:27	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/22/21 18:27	1

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

Job ID: 400-201867-1

Client Sample ID: TB-ROX-040921-8260-SS-B
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-6
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			04/22/21 18:27	1
Styrene	ND		1.0	1.0	ug/L			04/22/21 18:27	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/22/21 18:27	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/22/21 18:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/21 18:27	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/22/21 18:27	1
Toluene	ND		1.0	0.41	ug/L			04/22/21 18:27	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 18:27	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 18:27	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/22/21 18:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/21 18:27	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/22/21 18:27	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/22/21 18:27	1
Trichloroethene	ND		1.0	0.50	ug/L			04/22/21 18:27	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/22/21 18:27	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/21 18:27	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/22/21 18:27	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/22/21 18:27	1
Vinyl acetate	ND		25	2.0	ug/L			04/22/21 18:27	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/22/21 18:27	1
Xylenes, Total	ND		10	1.6	ug/L			04/22/21 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*04/22/21 18:27*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*04/22/21 18:27*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/22/21 18:27*	*1*

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

Job ID: 400-201867-1

Client Sample ID: P56-ROX-040921
Date Collected: 04/09/21 10:20
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**170**		25	10	ug/L			04/22/21 20:06	1
Acrolein	ND		20	10	ug/L			04/22/21 20:06	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/22/21 20:06	1
Benzene	ND		1.0	0.38	ug/L			04/22/21 20:06	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/21 20:06	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/21 20:06	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/21 20:06	1
Bromoform	ND		5.0	0.71	ug/L			04/22/21 20:06	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/21 20:06	1
2-Butanone (MEK)	**12**	J	25	2.6	ug/L			04/22/21 20:06	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/21 20:06	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/22/21 20:06	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/22/21 20:06	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/22/21 20:06	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/21 20:06	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/22/21 20:06	1
Chloroform	ND		1.0	0.60	ug/L			04/22/21 20:06	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/22/21 20:06	1
Chloromethane	ND		1.0	0.83	ug/L			04/22/21 20:06	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.50	ug/L			04/22/21 20:06	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 20:06	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/21 20:06	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/21 20:06	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/21 20:06	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/21 20:06	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/22/21 20:06	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/22/21 20:06	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 20:06	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			04/22/21 20:06	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 20:06	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 20:06	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/22/21 20:06	1
Ethylbenzene	**1.0**		1.0	0.50	ug/L			04/22/21 20:06	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/21 20:06	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/21 20:06	1
2-Hexanone	ND		25	3.1	ug/L			04/22/21 20:06	1
Isopropylbenzene	**8.5**		1.0	0.53	ug/L			04/22/21 20:06	1
Methylene bromide	ND		5.0	0.59	ug/L			04/22/21 20:06	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/21 20:06	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/21 20:06	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/22/21 20:06	1
m-Xylene & p-Xylene	**8.1**		5.0	1.6	ug/L			04/22/21 20:06	1
Naphthalene	**1.6**		1.0	1.0	ug/L			04/22/21 20:06	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/22/21 20:06	1
N-Propylbenzene	**7.9**		1.0	0.69	ug/L			04/22/21 20:06	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/21 20:06	1
o-Xylene	ND		5.0	0.60	ug/L			04/22/21 20:06	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/21 20:06	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/22/21 20:06	1

Client Sample ID: P56-ROX-040921
Date Collected: 04/09/21 10:20
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.89	J	1.0	0.70	ug/L			04/22/21 20:06	1
Styrene	ND		1.0	1.0	ug/L			04/22/21 20:06	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/22/21 20:06	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/22/21 20:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/21 20:06	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/22/21 20:06	1
Toluene	0.60	J	1.0	0.41	ug/L			04/22/21 20:06	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 20:06	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 20:06	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/22/21 20:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/21 20:06	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/22/21 20:06	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/22/21 20:06	1
Trichloroethene	ND		1.0	0.50	ug/L			04/22/21 20:06	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/22/21 20:06	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/21 20:06	1
1,2,4-Trimethylbenzene	1.7		1.0	0.82	ug/L			04/22/21 20:06	1
1,3,5-Trimethylbenzene	0.74	J	1.0	0.56	ug/L			04/22/21 20:06	1
Vinyl acetate	ND		25	2.0	ug/L			04/22/21 20:06	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/22/21 20:06	1
Xylenes, Total	8.5	J	10	1.6	ug/L			04/22/21 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*78 - 118*		*04/22/21 20:06*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*04/22/21 20:06*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/22/21 20:06*	*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		0.21	0.033	ug/L		04/14/21 10:54	04/20/21 15:29	1
Acenaphthylene	ND		0.21	0.046	ug/L		04/14/21 10:54	04/20/21 15:29	1
Anthracene	0.090	J	0.21	0.033	ug/L		04/14/21 10:54	04/20/21 15:29	1
Benzo[a]anthracene	ND		0.21	0.047	ug/L		04/14/21 10:54	04/20/21 15:29	1
Benzo[a]pyrene	ND		0.21	0.043	ug/L		04/14/21 10:54	04/20/21 15:29	1
Benzo[b]fluoranthene	ND		0.21	0.035	ug/L		04/14/21 10:54	04/20/21 15:29	1
Benzo[g,h,i]perylene	ND		0.21	0.13	ug/L		04/14/21 10:54	04/20/21 15:29	1
Benzo[k]fluoranthene	ND		0.21	0.10	ug/L		04/14/21 10:54	04/20/21 15:29	1
Chrysene	ND		0.21	0.076	ug/L		04/14/21 10:54	04/20/21 15:29	1
Dibenz(a,h)anthracene	ND		0.21	0.052	ug/L		04/14/21 10:54	04/20/21 15:29	1
Fluoranthene	ND		0.21	0.070	ug/L		04/14/21 10:54	04/20/21 15:29	1
Fluorene	0.42		0.21	0.11	ug/L		04/14/21 10:54	04/20/21 15:29	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.044	ug/L		04/14/21 10:54	04/20/21 15:29	1
1-Methylnaphthalene	14		0.21	0.076	ug/L		04/14/21 10:54	04/20/21 15:29	1
2-Methylnaphthalene	13		0.21	0.062	ug/L		04/14/21 10:54	04/20/21 15:29	1
Phenanthrene	0.86		0.21	0.037	ug/L		04/14/21 10:54	04/20/21 15:29	1
Pyrene	ND		0.21	0.041	ug/L		04/14/21 10:54	04/20/21 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*15 - 122*	*04/14/21 10:54*	*04/20/21 15:29*	*1*
Nitrobenzene-d5	*38*		*19 - 130*	*04/14/21 10:54*	*04/20/21 15:29*	*1*

Client Sample ID: P56-ROX-040921
Date Collected: 04/09/21 10:20
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-7
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*58*		*33 - 138*	*04/14/21 10:54*	*04/20/21 15:29*	*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		04/14/21 10:54	04/16/21 15:22	1
Benzenethiol	ND		10	1.8	ug/L		04/14/21 10:54	04/16/21 15:22	1
Benzoic acid	ND		31	7.5	ug/L		04/14/21 10:54	04/16/21 15:22	1
Benzyl alcohol	ND		10	2.1	ug/L		04/14/21 10:54	04/16/21 15:22	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/14/21 10:54	04/16/21 15:22	1
Bis(2-chloroethyl)ether	ND		10	2.8	ug/L		04/14/21 10:54	04/16/21 15:22	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/14/21 10:54	04/16/21 15:22	1
Bis(2-ethylhexyl) phthalate	**6.8**	**J**	10	5.2	ug/L		04/14/21 10:54	04/16/21 15:22	1
4-Bromophenyl phenyl ether	ND		10	0.21	ug/L		04/14/21 10:54	04/16/21 15:22	1
Butyl benzyl phthalate	ND		10	0.20	ug/L		04/14/21 10:54	04/16/21 15:22	1
4-Chloroaniline	ND		10	3.5	ug/L		04/14/21 10:54	04/16/21 15:22	1
4-Chloro-3-methylphenol	ND		10	3.9	ug/L		04/14/21 10:54	04/16/21 15:22	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/14/21 10:54	04/16/21 15:22	1
2-Chlorophenol	ND		10	2.3	ug/L		04/14/21 10:54	04/16/21 15:22	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		04/14/21 10:54	04/16/21 15:22	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/14/21 10:54	04/16/21 15:22	1
Dibenzofuran	ND		10	0.18	ug/L		04/14/21 10:54	04/16/21 15:22	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		04/14/21 10:54	04/16/21 15:22	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		04/14/21 10:54	04/16/21 15:22	1
Diethyl phthalate	**0.51**	**J**	10	0.25	ug/L		04/14/21 10:54	04/16/21 15:22	1
2,4-Dimethylphenol	ND		10	3.6	ug/L		04/14/21 10:54	04/16/21 15:22	1
Dimethyl phthalate	ND		10	0.18	ug/L		04/14/21 10:54	04/16/21 15:22	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		04/14/21 10:54	04/16/21 15:22	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/14/21 10:54	04/16/21 15:22	1
2,4-Dinitrophenol	ND		31	3.5	ug/L		04/14/21 10:54	04/16/21 15:22	1
2,4-Dinitrotoluene	ND		10	2.0	ug/L		04/14/21 10:54	04/16/21 15:22	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		04/14/21 10:54	04/16/21 15:22	1
Di-n-octyl phthalate	ND	* - UJ	10	0.18	ug/L		04/14/21 10:54	04/16/21 15:22	1
1,4-Dioxane	ND		10	1.0	ug/L		04/14/21 10:54	04/16/21 15:22	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/14/21 10:54	04/16/21 15:22	1
Hexachlorobenzene	ND		10	0.18	ug/L		04/14/21 10:54	04/16/21 15:22	1
Hexachlorocyclopentadiene	ND		21	2.7	ug/L		04/14/21 10:54	04/16/21 15:22	1
Hexachloroethane	ND		10	4.3	ug/L		04/14/21 10:54	04/16/21 15:22	1
Indene	ND		10	1.0	ug/L		04/14/21 10:54	04/16/21 15:22	1
Isophorone	ND		10	0.14	ug/L		04/14/21 10:54	04/16/21 15:22	1
2-Methylphenol	ND		10	1.9	ug/L		04/14/21 10:54	04/16/21 15:22	1
3 & 4 Methylphenol	ND		21	0.40	ug/L		04/14/21 10:54	04/16/21 15:22	1
2-Nitroaniline	ND		10	2.3	ug/L		04/14/21 10:54	04/16/21 15:22	1
3-Nitroaniline	ND		10	1.9	ug/L		04/14/21 10:54	04/16/21 15:22	1
4-Nitroaniline	ND		10	1.5	ug/L		04/14/21 10:54	04/16/21 15:22	1
Nitrobenzene	ND		10	0.13	ug/L		04/14/21 10:54	04/16/21 15:22	1
2-Nitrophenol	ND		10	5.4	ug/L		04/14/21 10:54	04/16/21 15:22	1
4-Nitrophenol	ND		10	2.2	ug/L		04/14/21 10:54	04/16/21 15:22	1
N-Nitrosodimethylamine	ND		10	3.6	ug/L		04/14/21 10:54	04/16/21 15:22	1

Client Sample ID: P56-ROX-040921
Date Collected: 04/09/21 10:20
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201867-7
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		10	3.4	ug/L		04/14/21 10:54	04/16/21 15:22	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/14/21 10:54	04/16/21 15:22	1
Pentachlorophenol	ND		21	1.4	ug/L		04/14/21 10:54	04/16/21 15:22	1
Phenol	ND		10	2.7	ug/L		04/14/21 10:54	04/16/21 15:22	1
Pyridine	ND		10	3.3	ug/L		04/14/21 10:54	04/16/21 15:22	1
Quinoline	ND		10	4.6	ug/L		04/14/21 10:54	04/16/21 15:22	1
2,4,5-Trichlorophenol	ND		10	3.8	ug/L		04/14/21 10:54	04/16/21 15:22	1
2,4,6-Trichlorophenol	ND		10	3.6	ug/L		04/14/21 10:54	04/16/21 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*46 - 124*	*04/14/21 10:54*	*04/16/21 15:22*	*1*
2-Fluorophenol	*14*		*13 - 113*	*04/14/21 10:54*	*04/16/21 15:22*	*1*
Nitrobenzene-d5	*130*	*S1+*	*36 - 126*	*04/14/21 10:54*	*04/16/21 15:22*	*1*
Phenol-d5	*59*		*17 - 127*	*04/14/21 10:54*	*04/16/21 15:22*	*1*
Terphenyl-d14	*61*		*44 - 149*	*04/14/21 10:54*	*04/16/21 15:22*	*1*
2,4,6-Tribromophenol	*100*		*26 - 150*	*04/14/21 10:54*	*04/16/21 15:22*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND	H UJ	10	5.2	ug/L		05/03/21 08:52	05/04/21 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*101*		*46 - 124*	*05/03/21 08:52*	*05/04/21 21:55*	*1*
Nitrobenzene-d5	*71*		*36 - 126*	*05/03/21 08:52*	*05/04/21 21:55*	*1*
Terphenyl-d14	*81*		*44 - 149*	*05/03/21 08:52*	*05/04/21 21:55*	*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		0.031	0.0056	ug/L		04/15/21 09:24	04/15/21 20:41	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		04/15/21 09:24	04/15/21 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*	*p*	*51 - 149*	*04/15/21 09:24*	*04/15/21 20:41*	*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.
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, 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: 400-201867-1

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)
400-201867-2	TB-ROX-040921-8260-SS-A	88	98	93
400-201867-3	P93C-ROX-040921-EB	91	99	93
400-201867-4	P93C-ROX-040921	88	98	92
400-201867-6	TB-ROX-040921-8260-SS-B	89	98	93
400-201867-7	P56-ROX-040921	90	97	92
LCS 400-528639/1002	Lab Control Sample	89	102	91
MB 400-528639/4	Method Blank	89	100	91

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)
400-201867-3	P93C-ROX-040921-EB	68	25	65	49	81	60
400-201867-4	P93C-ROX-040921	77	33	76	67	90	84
400-201867-7	P56-ROX-040921	80	14	130 S1+	59	61	100
400-201867-7 - RE	P56-ROX-040921	101		71		81	
LCS 400-527531/2-A	Lab Control Sample	84	40	84	76	97	96
LCS 400-527531/3-A	Lab Control Sample	80	49	78	73	97	68
LCS 400-530036/2-A - RE	Lab Control Sample	78		72		108	
LCSD 400-527531/4-A	Lab Control Sample Dup	78	38	76	72	90	62
MB 400-527531/1-A	Method Blank	78	26	76	63	90	56
MB 400-530036/1-A - RE	Method Blank	79		68		111	

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)
400-201867-3	P93C-ROX-040921-EB	94	80	95
400-201867-4	P93C-ROX-040921	91	79	93
400-201867-7	P56-ROX-040921	71	38	58
LCS 400-527531/2-A	Lab Control Sample	93	94	105
MB 400-527531/1-A	Method Blank	84	89	105

Surrogate Legend

FBP = 2-Fluorobiphenyl

Surrogate Summary

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

Job ID: 400-201867-1

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)
400-201867-1	TB-ROX-040921-8011-SS-A	109 p
400-201867-3	P93C-ROX-040921-EB	108 p
400-201867-4	P93C-ROX-040921	116 p
400-201867-5	TB-ROX-040921-8011-SS-B	108 p
400-201867-7	P56-ROX-040921	100 p
LCS 400-527682/2-A	Lab Control Sample	118
LCSD 400-527682/3-A	Lab Control Sample Dup	116
MB 400-527682/1-A	Method Blank	103

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

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

Job ID: 400-201867-1

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-040921-8011-SS-A

Lab Sample ID: 400-201867-1

Date Collected: 04/09/21 00:00
Matrix: Water
Date Received: 04/10/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35.9 mL	35 mL	527682	04/15/21 09:24	DS	TAL PEN
Total/NA	Analysis	8011		1			527712	04/15/21 19:21	DS	TAL PEN

Client Sample ID: TB-ROX-040921-8260-SS-A

Lab Sample ID: 400-201867-2

Date Collected: 04/09/21 00:00
Matrix: Water
Date Received: 04/10/21 12:50

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	528639	04/22/21 17:38	BEP	TAL PEN

Client Sample ID: P93C-ROX-040921-EB

Lab Sample ID: 400-201867-3

Date Collected: 04/09/21 11:50
Matrix: Water
Date Received: 04/10/21 12:50

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	528639	04/22/21 18:02	BEP	TAL PEN
Total/NA	Prep	3520C			265.2 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527835	04/16/21 14:39	S1B	TAL PEN
Total/NA	Prep	3520C			265.2 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			527823	04/16/21 22:37	KJA	TAL PEN
Total/NA	Prep	8011			35.9 mL	35 mL	527682	04/15/21 09:24	DS	TAL PEN
Total/NA	Analysis	8011		1			527712	04/15/21 19:41	DS	TAL PEN

Client Sample ID: P93C-ROX-040921

Lab Sample ID: 400-201867-4

Date Collected: 04/09/21 12:30
Matrix: Water
Date Received: 04/10/21 12:50

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	528639	04/22/21 19:41	BEP	TAL PEN
Total/NA	Prep	3520C			261 mL	1 mL	527531	04/14/21 10:53	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527835	04/16/21 15:01	S1B	TAL PEN
Total/NA	Prep	3520C			261 mL	1 mL	527531	04/14/21 10:53	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			527823	04/16/21 22:55	KJA	TAL PEN
Total/NA	Prep	8011			34.7 mL	35 mL	527682	04/15/21 09:24	DS	TAL PEN
Total/NA	Analysis	8011		1			527712	04/15/21 20:01	DS	TAL PEN

Client Sample ID: TB-ROX-040921-8011-SS-B

Lab Sample ID: 400-201867-5

Date Collected: 04/09/21 00:00
Matrix: Water
Date Received: 04/10/21 12:50

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	527682	04/15/21 09:24	DS	TAL PEN
Total/NA	Analysis	8011		1			527712	04/15/21 20:21	DS	TAL PEN

Client Sample ID: TB-ROX-040921-8260-SS-B

Lab Sample ID: 400-201867-6

Date Collected: 04/09/21 00:00
Matrix: Water
Date Received: 04/10/21 12:50

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	528639	04/22/21 18:27	BEP	TAL PEN

Client Sample ID: P56-ROX-040921

Lab Sample ID: 400-201867-7

Date Collected: 04/09/21 10:20
Matrix: Water
Date Received: 04/10/21 12:50

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	528639	04/22/21 20:06	BEP	TAL PEN
Total/NA	Prep	3520C			242.6 mL	1 mL	527531	04/14/21 10:54	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527835	04/16/21 15:22	S1B	TAL PEN
Total/NA	Prep	3520C	RE		241.2 mL	1 mL	530036	05/03/21 08:52	KWS	TAL PEN
Total/NA	Analysis	8270D	RE	1			530271	05/04/21 21:55	S1B	TAL PEN
Total/NA	Prep	3520C			242.6 mL	1 mL	527531	04/14/21 10:54	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 15:29	PP1	TAL PEN
Total/NA	Prep	8011			34.3 mL	35 mL	527682	04/15/21 09:24	DS	TAL PEN
Total/NA	Analysis	8011		1			527712	04/15/21 20:41	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-527531/1-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	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527703	04/15/21 18:41	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			527823	04/16/21 18:28	KJA	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-527682/1-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	527682	04/15/21 09:24	DS	TAL PEN
Total/NA	Analysis	8011		1			527712	04/15/21 12:43	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528639/4

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	528639	04/22/21 10:12	BEP	TAL PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-530036/1-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	RE		250 mL	1 mL	530036	05/03/21 08:50	KWS	TAL PEN
Total/NA	Analysis	8270D	RE	1			530245	05/04/21 23:32	S1B	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-527531/2-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	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527835	04/16/21 10:44	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			527823	04/16/21 18:46	KJA	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-527531/3-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	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527703	04/15/21 19:24	S1B	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-527682/2-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	527682	04/15/21 09:24	DS	TAL PEN
Total/NA	Analysis	8011		1			527712	04/15/21 13:03	DS	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-528639/1002**
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	528639	04/22/21 09:08	BEP	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-530036/2-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	RE		250 mL	1 mL	530036	05/03/21 08:50	KWS	TAL PEN
Total/NA	Analysis	8270D	RE	1			530245	05/04/21 23:53	S1B	TAL PEN

Lab Chronicle

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

Job ID: 400-201867-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-527531/4-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	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527703	04/15/21 19:45	S1B	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-527682/3-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	527682	04/15/21 09:24	DS	TAL PEN
Total/NA	Analysis	8011		1			527712	04/15/21 13:23	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: 528639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201867-2	TB-ROX-040921-8260-SS-A	Total/NA	Water	8260B	
400-201867-3	P93C-ROX-040921-EB	Total/NA	Water	8260B	
400-201867-4	P93C-ROX-040921	Total/NA	Water	8260B	
400-201867-6	TB-ROX-040921-8260-SS-B	Total/NA	Water	8260B	
400-201867-7	P56-ROX-040921	Total/NA	Water	8260B	
MB 400-528639/4	Method Blank	Total/NA	Water	8260B	
LCS 400-528639/1002	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 527531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201867-3	P93C-ROX-040921-EB	Total/NA	Water	3520C	
400-201867-4	P93C-ROX-040921	Total/NA	Water	3520C	
400-201867-7	P56-ROX-040921	Total/NA	Water	3520C	
MB 400-527531/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-527531/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-527531/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-527531/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 527703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-527531/1-A	Method Blank	Total/NA	Water	8270D	527531
LCS 400-527531/3-A	Lab Control Sample	Total/NA	Water	8270D	527531
LCSD 400-527531/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	527531

Analysis Batch: 527823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201867-3	P93C-ROX-040921-EB	Total/NA	Water	8270D LL	527531
400-201867-4	P93C-ROX-040921	Total/NA	Water	8270D LL	527531
MB 400-527531/1-A	Method Blank	Total/NA	Water	8270D LL	527531
LCS 400-527531/2-A	Lab Control Sample	Total/NA	Water	8270D LL	527531

Analysis Batch: 527835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201867-3	P93C-ROX-040921-EB	Total/NA	Water	8270D	527531
400-201867-4	P93C-ROX-040921	Total/NA	Water	8270D	527531
400-201867-7	P56-ROX-040921	Total/NA	Water	8270D	527531
LCS 400-527531/2-A	Lab Control Sample	Total/NA	Water	8270D	527531

Analysis Batch: 528357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201867-7	P56-ROX-040921	Total/NA	Water	8270D LL	527531

Prep Batch: 530036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201867-7 - RE	P56-ROX-040921	Total/NA	Water	3520C	
MB 400-530036/1-A - RE	Method Blank	Total/NA	Water	3520C	
LCS 400-530036/2-A - RE	Lab Control Sample	Total/NA	Water	3520C	

GC/MS Semi VOA

Analysis Batch: 530245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-530036/1-A - RE	Method Blank	Total/NA	Water	8270D	530036
LCS 400-530036/2-A - RE	Lab Control Sample	Total/NA	Water	8270D	530036

Analysis Batch: 530271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201867-7 - RE	P56-ROX-040921	Total/NA	Water	8270D	530036

GC Semi VOA

Prep Batch: 527682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201867-1	TB-ROX-040921-8011-SS-A	Total/NA	Water	8011	
400-201867-3	P93C-ROX-040921-EB	Total/NA	Water	8011	
400-201867-4	P93C-ROX-040921	Total/NA	Water	8011	
400-201867-5	TB-ROX-040921-8011-SS-B	Total/NA	Water	8011	
400-201867-7	P56-ROX-040921	Total/NA	Water	8011	
MB 400-527682/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-527682/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-527682/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 527712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201867-1	TB-ROX-040921-8011-SS-A	Total/NA	Water	8011	527682
400-201867-3	P93C-ROX-040921-EB	Total/NA	Water	8011	527682
400-201867-4	P93C-ROX-040921	Total/NA	Water	8011	527682
400-201867-5	TB-ROX-040921-8011-SS-B	Total/NA	Water	8011	527682
400-201867-7	P56-ROX-040921	Total/NA	Water	8011	527682
MB 400-527682/1-A	Method Blank	Total/NA	Water	8011	527682
LCS 400-527682/2-A	Lab Control Sample	Total/NA	Water	8011	527682
LCSD 400-527682/3-A	Lab Control Sample Dup	Total/NA	Water	8011	527682

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-528639/4
Matrix: Water
Analysis Batch: 528639

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			04/22/21 10:12	1
Acrolein	ND		20	10	ug/L			04/22/21 10:12	1
Acrylonitrile	ND		10	2.8	ug/L			04/22/21 10:12	1
Benzene	ND		1.0	0.38	ug/L			04/22/21 10:12	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/21 10:12	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/21 10:12	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Bromoform	ND		5.0	0.71	ug/L			04/22/21 10:12	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/21 10:12	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/22/21 10:12	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/21 10:12	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/22/21 10:12	1
Chloroform	ND		1.0	0.60	ug/L			04/22/21 10:12	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/22/21 10:12	1
Chloromethane	ND		1.0	0.83	ug/L			04/22/21 10:12	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 10:12	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 10:12	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/21 10:12	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/21 10:12	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/21 10:12	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/21 10:12	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 10:12	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/21 10:12	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/21 10:12	1
2-Hexanone	ND		25	3.1	ug/L			04/22/21 10:12	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/22/21 10:12	1
Methylene bromide	ND		5.0	0.59	ug/L			04/22/21 10:12	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/21 10:12	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/21 10:12	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/22/21 10:12	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/22/21 10:12	1
Naphthalene	ND		1.0	1.0	ug/L			04/22/21 10:12	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/22/21 10:12	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/22/21 10:12	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/21 10:12	1
o-Xylene	ND		5.0	0.60	ug/L			04/22/21 10:12	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/21 10:12	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-528639/4
Matrix: Water
Analysis Batch: 528639

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			04/22/21 10:12	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/22/21 10:12	1
Styrene	ND		1.0	1.0	ug/L			04/22/21 10:12	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/22/21 10:12	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/22/21 10:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/22/21 10:12	1
Toluene	ND		1.0	0.41	ug/L			04/22/21 10:12	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 10:12	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 10:12	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/22/21 10:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/21 10:12	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/22/21 10:12	1
Trichloroethene	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/22/21 10:12	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/21 10:12	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/22/21 10:12	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/22/21 10:12	1
Vinyl acetate	ND		25	2.0	ug/L			04/22/21 10:12	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Xylenes, Total	ND		10	1.6	ug/L			04/22/21 10:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*04/22/21 10:12*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*04/22/21 10:12*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/22/21 10:12*	*1*

Lab Sample ID: LCS 400-528639/1002
Matrix: Water
Analysis Batch: 528639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	249		ug/L		124	43 - 160
Acrolein	500	575		ug/L		115	38 - 160
Acrylonitrile	500	775	*+	ug/L		155	64 - 142
Benzene	50.0	54.7		ug/L		109	70 - 130
Bromobenzene	50.0	53.2		ug/L		106	70 - 132
Bromochloromethane	50.0	58.5		ug/L		117	70 - 130
Bromodichloromethane	50.0	50.3		ug/L		101	67 - 133
Bromoform	50.0	49.0		ug/L		98	57 - 140
Bromomethane	50.0	50.5		ug/L		101	10 - 160
2-Butanone (MEK)	200	217		ug/L		109	61 - 145
Carbon disulfide	50.0	50.9		ug/L		102	61 - 137
Carbon tetrachloride	50.0	59.1		ug/L		118	61 - 137
Chlorobenzene	50.0	52.7		ug/L		105	70 - 130
Dibromochloromethane	50.0	50.8		ug/L		102	67 - 135
Chloroethane	50.0	68.4		ug/L		137	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528639/1002
Matrix: Water
Analysis Batch: 528639

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	52.9		ug/L		106	10 - 160
Chloroform	50.0	53.6		ug/L		107	69 - 130
1-Chlorohexane	50.0	63.7		ug/L		127	69 - 130
Chloromethane	50.0	67.7		ug/L		135	58 - 137
cis-1,2-Dichloroethene	50.0	71.0	*+	ug/L		142	68 - 130
cis-1,3-Dichloropropene	50.0	54.1		ug/L		108	69 - 132
1,2-Dichlorobenzene	50.0	51.8		ug/L		104	67 - 130
1,3-Dichlorobenzene	50.0	53.2		ug/L		106	70 - 130
1,4-Dichlorobenzene	50.0	54.2		ug/L		108	70 - 130
Dichlorodifluoromethane	50.0	67.9		ug/L		136	41 - 146
1,1-Dichloroethane	50.0	73.7	*+	ug/L		147	70 - 130
1,2-Dichloroethane	50.0	61.5		ug/L		123	69 - 130
1,1-Dichloroethene	50.0	53.2		ug/L		106	63 - 134
1,2-Dichloropropane	50.0	67.0	*+	ug/L		134	70 - 130
1,3-Dichloropropane	50.0	48.8		ug/L		98	70 - 130
2,2-Dichloropropane	50.0	57.8		ug/L		116	52 - 135
1,1-Dichloropropene	50.0	56.6		ug/L		113	70 - 130
Ethylbenzene	50.0	48.4		ug/L		97	70 - 130
Ethyl methacrylate	50.0	45.8		ug/L		92	68 - 130
Hexachlorobutadiene	50.0	60.3		ug/L		121	53 - 140
2-Hexanone	200	242		ug/L		121	65 - 137
Isopropylbenzene	50.0	50.7		ug/L		101	70 - 130
Methylene bromide	50.0	51.2		ug/L		102	70 - 130
Methylene Chloride	50.0	52.1		ug/L		104	66 - 135
4-Methyl-2-pentanone (MIBK)	200	268		ug/L		134	69 - 138
Methyl tert-butyl ether	50.0	50.9		ug/L		102	66 - 130
m-Xylene & p-Xylene	50.0	48.3		ug/L		97	70 - 130
Naphthalene	50.0	58.4		ug/L		117	47 - 149
n-Butylbenzene	50.0	47.1		ug/L		94	67 - 130
N-Propylbenzene	50.0	50.6		ug/L		101	70 - 130
o-Chlorotoluene	50.0	47.1		ug/L		94	70 - 130
o-Xylene	50.0	47.7		ug/L		95	70 - 130
p-Chlorotoluene	50.0	47.0		ug/L		94	70 - 130
p-Isopropyltoluene	50.0	53.0		ug/L		106	65 - 130
sec-Butylbenzene	50.0	49.4		ug/L		99	66 - 130
Styrene	50.0	49.6		ug/L		99	70 - 130
tert-Butylbenzene	50.0	47.5		ug/L		95	64 - 139
1,1,1,2-Tetrachloroethane	50.0	54.0		ug/L		108	67 - 131
1,1,2,2-Tetrachloroethane	50.0	43.3		ug/L		87	70 - 131
Tetrachloroethene	50.0	51.7		ug/L		103	65 - 130
Toluene	50.0	48.3		ug/L		97	70 - 130
trans-1,2-Dichloroethene	50.0	56.5		ug/L		113	70 - 130
trans-1,3-Dichloropropene	50.0	48.0		ug/L		96	63 - 130
1,2,3-Trichlorobenzene	50.0	58.1		ug/L		116	60 - 138
1,2,4-Trichlorobenzene	50.0	59.3		ug/L		119	60 - 140
1,1,1-Trichloroethane	50.0	54.9		ug/L		110	68 - 130
1,1,2-Trichloroethane	50.0	47.5		ug/L		95	70 - 130
Trichloroethene	50.0	60.3		ug/L		121	70 - 130
Trichlorofluoromethane	50.0	63.3		ug/L		127	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528639/1002
Matrix: Water
Analysis Batch: 528639

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	45.6		ug/L		91	70 - 130
1,2,4-Trimethylbenzene	50.0	47.8		ug/L		96	70 - 130
1,3,5-Trimethylbenzene	50.0	49.3		ug/L		99	69 - 130
Vinyl acetate	100	98.8		ug/L		99	26 - 160
Vinyl chloride	50.0	79.8	*+	ug/L		160	59 - 136
Xylenes, Total	100	96.0		ug/L		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*91*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-527531/1-A
Matrix: Water
Analysis Batch: 527703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		04/14/21 10:52	04/15/21 18:41	1
Benzenethiol	ND		10	1.7	ug/L		04/14/21 10:52	04/15/21 18:41	1
Benzoic acid	ND		30	7.3	ug/L		04/14/21 10:52	04/15/21 18:41	1
Benzyl alcohol	ND		10	2.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/14/21 10:52	04/15/21 18:41	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/14/21 10:52	04/15/21 18:41	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/14/21 10:52	04/15/21 18:41	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/14/21 10:52	04/15/21 18:41	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Chloroaniline	ND		10	3.4	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		04/14/21 10:52	04/15/21 18:41	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/14/21 10:52	04/15/21 18:41	1
2-Chlorophenol	ND		10	2.2	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Dibenzofuran	ND		10	0.17	ug/L		04/14/21 10:52	04/15/21 18:41	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Diethyl phthalate	ND		10	0.24	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		04/14/21 10:52	04/15/21 18:41	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/14/21 10:52	04/15/21 18:41	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/14/21 10:52	04/15/21 18:41	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/14/21 10:52	04/15/21 18:41	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/14/21 10:52	04/15/21 18:41	1
1,4-Dioxane	ND		10	1.0	ug/L		04/14/21 10:52	04/15/21 18:41	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-527531/1-A
Matrix: Water
Analysis Batch: 527703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/14/21 10:52	04/15/21 18:41	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/14/21 10:52	04/15/21 18:41	1
Hexachloroethane	ND		10	4.2	ug/L		04/14/21 10:52	04/15/21 18:41	1
Indene	ND		10	1.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Isophorone	ND		10	0.14	ug/L		04/14/21 10:52	04/15/21 18:41	1
2-Methylphenol	ND		10	1.8	ug/L		04/14/21 10:52	04/15/21 18:41	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/14/21 10:52	04/15/21 18:41	1
2-Nitroaniline	ND		10	2.2	ug/L		04/14/21 10:52	04/15/21 18:41	1
3-Nitroaniline	ND		10	1.8	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Nitroaniline	ND		10	1.5	ug/L		04/14/21 10:52	04/15/21 18:41	1
Nitrobenzene	ND		10	0.13	ug/L		04/14/21 10:52	04/15/21 18:41	1
2-Nitrophenol	ND		10	5.2	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Nitrophenol	ND		10	2.1	ug/L		04/14/21 10:52	04/15/21 18:41	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		04/14/21 10:52	04/15/21 18:41	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		04/14/21 10:52	04/15/21 18:41	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/14/21 10:52	04/15/21 18:41	1
Pentachlorophenol	ND		20	1.4	ug/L		04/14/21 10:52	04/15/21 18:41	1
Phenol	ND		10	2.6	ug/L		04/14/21 10:52	04/15/21 18:41	1
Pyridine	ND		10	3.2	ug/L		04/14/21 10:52	04/15/21 18:41	1
Quinoline	ND		10	4.5	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/14/21 10:52	04/15/21 18:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*46 - 124*	*04/14/21 10:52*	*04/15/21 18:41*	*1*
2-Fluorophenol	*26*		*13 - 113*	*04/14/21 10:52*	*04/15/21 18:41*	*1*
Nitrobenzene-d5	*76*		*36 - 126*	*04/14/21 10:52*	*04/15/21 18:41*	*1*
Phenol-d5	*63*		*17 - 127*	*04/14/21 10:52*	*04/15/21 18:41*	*1*
Terphenyl-d14	*90*		*44 - 149*	*04/14/21 10:52*	*04/15/21 18:41*	*1*
2,4,6-Tribromophenol	*56*		*26 - 150*	*04/14/21 10:52*	*04/15/21 18:41*	*1*

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	66.2		ug/L		55	21 - 120
Benzoic acid	502	274		ug/L		55	10 - 144
Benzyl alcohol	120	66.7		ug/L		56	28 - 120
Bis(2-chloroethoxy)methane	120	55.9		ug/L		47	47 - 120
Bis(2-chloroethyl)ether	120	54.0		ug/L		45	44 - 120
bis (2-chloroisopropyl) ether	120	59.3		ug/L		49	33 - 121
Bis(2-ethylhexyl) phthalate	120	70.6		ug/L		59	52 - 147
4-Bromophenyl phenyl ether	120	70.2		ug/L		59	54 - 122
Butyl benzyl phthalate	120	74.9		ug/L		62	54 - 133
4-Chloroaniline	120	53.1		ug/L		44	26 - 120
4-Chloro-3-methylphenol	120	73.5		ug/L		61	48 - 131

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	120	62.7		ug/L		52	52 - 121
2-Chlorophenol	120	52.9		ug/L		44	40 - 120
4-Chlorophenyl phenyl ether	120	69.8		ug/L		58	56 - 125
Dibenz[a,h]acridine	120	97.2		ug/L		81	31 - 150
Dibenzofuran	120	67.3		ug/L		56	56 - 122
3,3'-Dichlorobenzidine	160	165		ug/L		103	36 - 132
2,4-Dichlorophenol	120	62.3		ug/L		52	49 - 120
Diethyl phthalate	120	72.5		ug/L		60	50 - 137
2,4-Dimethylphenol	120	65.1		ug/L		54	48 - 120
Dimethyl phthalate	120	70.2		ug/L		58	57 - 124
Di-n-butyl phthalate	120	80.7		ug/L		67	58 - 126
4,6-Dinitro-ortho-cresol	240	150		ug/L		63	23 - 148
2,4-Dinitrophenol	240	184		ug/L		77	10 - 150
2,4-Dinitrotoluene	120	75.4		ug/L		63	54 - 142
2,6-Dinitrotoluene	120	72.1		ug/L		60	55 - 130
Di-n-octyl phthalate	120	67.6	*-	ug/L		56	57 - 138
1,4-Dioxane	120	43.7		ug/L		36	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	62.9		ug/L		52	45 - 124
Hexachlorobenzene	120	75.2		ug/L		63	52 - 129
Hexachlorocyclopentadiene	120	47.3		ug/L		39	10 - 134
Hexachloroethane	120	66.2		ug/L		55	20 - 120
Indene	120	99.5		ug/L		83	49 - 120
Isophorone	120	60.5		ug/L		50	48 - 120
2-Methylphenol	120	69.7		ug/L		58	46 - 124
3 & 4 Methylphenol	120	61.8		ug/L		52	45 - 120
2-Nitroaniline	120	66.8		ug/L		56	51 - 145
3-Nitroaniline	120	60.5		ug/L		50	37 - 127
4-Nitroaniline	120	55.0		ug/L		46	36 - 137
Nitrobenzene	120	57.2		ug/L		48	45 - 120
2-Nitrophenol	120	65.3		ug/L		54	40 - 124
4-Nitrophenol	240	139		ug/L		58	23 - 146
N-Nitrosodimethylamine	120	68.8		ug/L		57	29 - 137
N-Nitrosodi-n-propylamine	120	66.4		ug/L		55	45 - 120
N-Nitrosodiphenylamine	119	63.8		ug/L		54	54 - 120
Pentachlorophenol	240	126		ug/L		52	31 - 130
Phenol	120	52.3		ug/L		44	11 - 120
Pyridine	240	88.3		ug/L		37	16 - 120
Quinoline	120	105		ug/L		88	49 - 130
2,4,5-Trichlorophenol	120	69.8		ug/L		58	51 - 136
2,4,6-Trichlorophenol	120	65.2		ug/L		54	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*46 - 124*
2-Fluorophenol	*40*		*13 - 113*
Nitrobenzene-d5	*84*		*36 - 126*
Phenol-d5	*76*		*17 - 127*
Terphenyl-d14	*97*		*44 - 149*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	96		26 - 150

Lab Sample ID: LCS 400-527531/3-A
Matrix: Water
Analysis Batch: 527703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	41.0		ug/L		34	10 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	80		46 - 124
2-Fluorophenol	49		13 - 113
Nitrobenzene-d5	78		36 - 126
Phenol-d5	73		17 - 127
Terphenyl-d14	97		44 - 149
2,4,6-Tribromophenol	68		26 - 150

Lab Sample ID: LCSD 400-527531/4-A
Matrix: Water
Analysis Batch: 527703

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	38.3		ug/L		32	10 - 120	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	78		46 - 124
2-Fluorophenol	38		13 - 113
Nitrobenzene-d5	76		36 - 126
Phenol-d5	72		17 - 127
Terphenyl-d14	90		44 - 149
2,4,6-Tribromophenol	62		26 - 150

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE

Lab Sample ID: MB 400-530036/1-A
Matrix: Water
Analysis Batch: 530245

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 530036

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate - RE	ND		10	5.0	ug/L		05/03/21 08:50	05/04/21 23:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl - RE	79		46 - 124	05/03/21 08:50	05/04/21 23:32	1
Nitrobenzene-d5 - RE	68		36 - 126	05/03/21 08:50	05/04/21 23:32	1
Terphenyl-d14 - RE	111		44 - 149	05/03/21 08:50	05/04/21 23:32	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Lab Sample ID: LCS 400-530036/2-A
Matrix: Water
Analysis Batch: 530245

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 530036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate - RE	120	125		ug/L		104	52 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl - RE	*78*		*46 - 124*
Nitrobenzene-d5 - RE	*72*		*36 - 126*
Terphenyl-d14 - RE	*108*		*44 - 149*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-527531/1-A
Matrix: Water
Analysis Batch: 527823

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		04/14/21 10:52	04/16/21 18:28	1
Acenaphthylene	ND		0.20	0.045	ug/L		04/14/21 10:52	04/16/21 18:28	1
Anthracene	ND		0.20	0.032	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/14/21 10:52	04/16/21 18:28	1
Chrysene	ND		0.20	0.074	ug/L		04/14/21 10:52	04/16/21 18:28	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		04/14/21 10:52	04/16/21 18:28	1
Fluoranthene	ND		0.20	0.068	ug/L		04/14/21 10:52	04/16/21 18:28	1
Fluorene	ND		0.20	0.11	ug/L		04/14/21 10:52	04/16/21 18:28	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/14/21 10:52	04/16/21 18:28	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		04/14/21 10:52	04/16/21 18:28	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		04/14/21 10:52	04/16/21 18:28	1
Phenanthrene	ND		0.20	0.036	ug/L		04/14/21 10:52	04/16/21 18:28	1
Pyrene	ND		0.20	0.040	ug/L		04/14/21 10:52	04/16/21 18:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*15 - 122*	*04/14/21 10:52*	*04/16/21 18:28*	*1*
Nitrobenzene-d5	*89*		*19 - 130*	*04/14/21 10:52*	*04/16/21 18:28*	*1*
Terphenyl-d14	*105*		*33 - 138*	*04/14/21 10:52*	*04/16/21 18:28*	*1*

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527823

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	69.1		ug/L		58	41 - 120
Acenaphthylene	120	65.6		ug/L		55	44 - 120
Anthracene	120	69.7		ug/L		58	49 - 120
Benzo[a]anthracene	120	74.7		ug/L		62	61 - 135
Benzo[a]pyrene	120	78.9		ug/L		66	52 - 120
Benzo[b]fluoranthene	120	82.3		ug/L		69	53 - 134

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527823

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[g,h,i]perylene	120	87.3		ug/L		73	47 - 133
Benzo[k]fluoranthene	120	73.2		ug/L		61	57 - 134
Chrysene	120	74.2		ug/L		62	55 - 122
Dibenz(a,h)anthracene	120	89.8		ug/L		75	48 - 146
Fluoranthene	120	77.6		ug/L		65	54 - 128
Fluorene	120	73.8		ug/L		61	45 - 125
Indeno[1,2,3-cd]pyrene	120	91.6		ug/L		76	43 - 142
1-Methylnaphthalene	120	67.3		ug/L		56	41 - 120
2-Methylnaphthalene	120	69.9		ug/L		58	32 - 124
Phenanthrene	120	77.6		ug/L		65	48 - 120
Pyrene	120	71.3		ug/L		59	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*93*		*15 - 122*
Nitrobenzene-d5	*94*		*19 - 130*
Terphenyl-d14	*105*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-527682/1-A
Matrix: Water
Analysis Batch: 527712

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527682

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		04/15/21 09:24	04/15/21 12:43	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/15/21 09:24	04/15/21 12:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*51 - 149*	*04/15/21 09:24*	*04/15/21 12:43*	*1*

Lab Sample ID: LCS 400-527682/2-A
Matrix: Water
Analysis Batch: 527712

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527682

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	0.128		ug/L		127	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*118*		*51 - 149*

Lab Sample ID: LCSD 400-527682/3-A
Matrix: Water
Analysis Batch: 527712

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527682

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.101	0.122		ug/L		121	60 - 140	2	30
1,2-Dibromoethane	0.101	0.124		ug/L		123	60 - 140	3	30

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCSD 400-527682/3-A
Matrix: Water
Analysis Batch: 527712

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527682

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	116		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 (_____)

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 – 3.2.2F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES
DATE: 4/9/21
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 – 3.2.2F
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 Or
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): Aaron Oliver, Tony Jones
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

Split Report

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60648474 – 3.2.2F

400-201867 COC

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270LL
	TB-Rox-040921-8011-SG-A	4/9/21	00:00	Water	2					2		X		
	TB-Rox-040921-8260-SG-A	4/9/21	00:00		2					2	X			
	P93C-Rox-040921-EB	4/9/21	1150		6			2	~~2~~ HCl	8	X	X	X	X
	P93C-Rox-040921	4/9/21	1230	↓	6			2	~~2~~ HCl	8	X	X	X	X

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
Container PID Readings or Laboratory Notes
Split Sample ↓

AO 4/9/21

Relinquished by (Signature)	Received by (Signature)	Date	Time
	Fedex: 9509 0064 1489 / 9509 0064 1490	4/9/21	1500
Relinquished by (Signature)	Received by (Signature)	Date	Time
		4-10-21	1250
Relinquished by (Signature)	Received by (Signature)	Date:	Time
	4.2°C, 4.9°C IR-8		

CUSTODY SEALS: 1450618 / 1450619 / 1450617 / 1450616

Version 2Apr21

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5/14/2021

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 (_____)

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.F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES
DATE: 4/9/21
PAGE: 2 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.F
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
Split report

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60648474 – 3.2.F

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270LL
	TB-ROX-040921-8011-SS-B	4/9/21	0000	Water	2					2		X		
	TB-ROX-040921-8260-SS-B	↓	0000	↓	2					2	X			
	P56-ROX-040921	↓	1020	↓	6			2		8	X	X	X	X

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
Container PID Readings or Laboratory Notes
↑ Split sample

Relinquished by (Signature): MD'Angelo — Date: 4/9/21 — Time: 1500
Received by (Signature): Fedex: See pg 1
Relinquished by (Signature)
Received by (Signature): — Date: 4-10-21 — Time: 1250
Relinquished by (Signature)
Received by (Signature) — Date — Time

CUSTODY SEALS: See pg 1

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5/14/2021

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-201867-1

Login Number: 201867
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	4.2°C 4.9°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.	True	
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: 400-201867-1

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
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
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	P330-21-00056	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 – 2nd Quarter 2021 Data Review

Laboratory SDG: 400-201871-1-Rev. 1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 6/7/2021

Guidance: USEPA National Functional Guidelines for Organic Superfund Methods Data Review 2020

Sample Identification	Sample Identification
TB-ROX-040921-8011-BP	TB-ROX-040921-8260-BP
MW23-ROX-040921	

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 and several SVOCs were re-extracted outside extraction time criteria in sample MW23-ROX-040921. Several VOC and SVOC LCS/LCSD recoveries or SVOC LCS/LCSD RPDs for several analytes were outside evaluation criteria. The SVOC surrogate recovery for 2-fluorophenol was outside criteria in sample MW23-ROX-040921, and the SVOC surrogate recovery for 2,4,6-tribromophenol was outside criteria in the LCS. These issues are addressed further in the appropriate sections of this data review. The laboratory report was revised on May 5, 2021 to correct the ID format for sample MW23-ROX-040921; field samplers had inadvertently incorrectly inserted a dash between "MW" and "23." No qualification of data was required.

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, PAHs and certain SVOCs were re-extracted 10 days outside analysis extraction time criteria (7 days) in sample MW23-ROX-040921 due to initial failing LCS recoveries. 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. PAHs were reported from Run #1 due to historical detections.

Sample ID	Parameter	Analyte	Qualification
MW23-ROX-040921 – RERA	SVOCs	2-Chlorophenol	**UJ**
MW23-ROX-040921 – RERA	SVOCs	2,4-Dichlorophenol	**UJ**

Sample ID	Parameter	Analyte	Qualification
MW23-ROX-040921 – RERA	SVOCs	2-Methylphenol	**UJ**
MW23-ROX-040921 – RERA	SVOCs	3&4 Methylphenol	**UJ**
MW23-ROX-040921 – RERA	SVOCs	2-Nitrophenol	**UJ**
MW23-ROX-040921 – RERA	SVOCs	2,4,5-Trichlorophenol	**UJ**
MW23-ROX-040921 – RERA	SVOCs	2,4,6-Trichlorophenol	**UJ**

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 400-528639/1002	VOCs	Acrylonitrile	**155**	NA	64-142
LCS 400-528639/1002	VOCs	cis-1,2-Dichloroethene	**142**	NA	68-130
LCS 400-528639/1002	VOCs	1,1-Dichloroethane	**147**	NA	70-130
LCS 400-528639/1002	VOCs	1,2-Dichloropropane	**134**	NA	70-130
LCS 400-528639/1002	VOCs	Vinyl chloride	**160**	NA	59-136
LCS/LCSD 400-527852/2-A/3-A	SVOCs	Benzoic acid	40/20	**67**	10-144/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2-Chlorophenol	**22/24**	9	40-120/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2,4-Dichlorophenol	**36/42**	16	49-120/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2-Methylphenol	**44**/49	11	46-124/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	3&4 Methylphenol	**40**/46	13	45-120/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2-Nitrophenol	**32/33**	5	40-124/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2,4,5-Trichlorophenol	**49**/51	5	51-136/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2,4,6-Trichlorophenol	**46/46**	1	50-127/30
LCS/LCSD 400-527852/4-A/5-A	SVOCs	Benzenethiol	**2**/70	**188**	10-120/30
LCS/LCSD 400-527852/2-A/3-A	PAHs	Benzo[a]anthracene	**52/56**	7	61-135/49
LCS/LCSD 400-527852/2-A/3-A	PAHs	Benzo[b]fluoranthene	**51**/56	8	53-134/54

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/ RPD Criteria
LCS/LCSD 400-527852/2-A/3-A	PAHs	Benzo[k]fluoranthene	**50/55**	9	57-134/52
LCS/LCSD 400-527852/2-A/3-A	PAHs	Chrysene	**49/52**	7	55-122/50

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. Certain SVOCs in sample MW23-ROX-040921 were qualified in Section 3.0 of this data review due to holding time criteria; no additional qualification was required.

Sample ID	Parameter	Analyte	Qualification
MW23-ROX-040921	PAHs	Benzo[a]anthracene	**UJ**
MW23-ROX-040921	PAHs	Benzo[b]fluoranthene	**UJ**
MW23-ROX-040921	PAHs	Benzo[k]fluoranthene	**UJ**
MW23-ROX-040921	PAHs	Chrysene	**UJ**
MW23-ROX-040921	SVOCs	Benzenethiol	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW23-ROX-040921	SVOCs	2-Fluorophenol	**9**	13-113
LCS 400-527852/4-A	SVOCs	2,4,6-Tribromophenol	**24**	26-150

Qualifications due to surrogate recoveries were not required if only one of three acid SVOC surrogate recoveries were outside evaluation criteria in sample MW23-ROX-040921. Laboratory control samples are quality control samples and do not require qualification; no qualification 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?

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-201871-1
Client Project/Site: ROXANA QUARTERLY GW
Revision: 1

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

Attn: Elizabeth Kunkel

Authorized for release by:
5/5/2021 10:37:57 AM

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

LINKS
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Reviewed 6/7/2021 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: 400-201871-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-201871-1

Comments
Revised Report
Report revised to change sample ID format to MW23-ROX-040921 (400-201871-3)
Supersedes report dated 4-30-2021

Receipt
The samples were received on 4/10/2021 12:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.2° C and 4.9° C.

GC/MS VOA
Method 8260B: The continuing calibration verification (CCV) associated with batch 400-528639 recovered above the upper control limit for 1,2-Dichloropropane, Acrylonitrile and Vinyl chloride . 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) associated with analytical batch 400-528639 was outside acceptance criteria for the following analytes: 1,1-Dichloroethane, 1,2-Dichloropropane, cis-1,2-Dichloroethene and Acrylonitrile. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8260B: The laboratory control sample (LCS) for analytical batch 400-528639 recovered outside control limits for the following analyte: Vinyl chloride. 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-040921-8260-BP (400-201871-2) and MW23-ROX-040921 (400-201871-3). The requested target analyte list includes 2-Chloroethyl vinyl ether, Acrolein and acrylonitrile, 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: 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: MW23-ROX-040921 (400-201871-3) and (LCS 400-527852/4-A). These results have been reported and qualified.

Method 8270D: The laboratory control sample (LCS) for preparation batch 400-529209 and analytical batch 400-529498 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 400-529209 and analytical batch 400-529498 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-529498 recovered outside acceptance criteria, low biased, for Hexachlorocyclopentadiene and Aniline. 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: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-527852 and analytical batch 400-528632 recovered outside control limits for the following analytes: Benzoic acid.

Method 8270D: The laboratory control sample (LCS) for preparation batch 400-527852 and 400-527852 and analytical batch 400-528632 recovered outside control limits for the following analytes: 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol,Benzenethiol,

Job ID: 400-201871-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

2-Methylphenol, 2-Chlorophenol, 3 & 4 Methylphenol and 2-Nitrophenol. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-527852 and analytical batch 400-528281 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-527852 and analytical batch 400-528281 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 LL: The laboratory control sample (LCS) for preparation batch 400-529209 and analytical batch 400-529447 recovered outside control limits for the following analytes: Benzo[a]anthracene, Benzo[b]fluoranthene, Benzo[k]fluoranthene and Chrysene. The associated sample(s) was 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 400-528112 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: 400-201871-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-201871-1	TB-ROX-040921-8011-BP	Water	04/09/21 00:00	04/10/21 12:50	
400-201871-2	TB-ROX-040921-8260-BP	Water	04/09/21 00:00	04/10/21 12:50	
400-201871-3	MW23-ROX-040921	Water	04/09/21 10:15	04/10/21 12:50	

Detection Summary

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

Job ID: 400-201871-1

Client Sample ID: TB-ROX-040921-8011-BP

Lab Sample ID: 400-201871-1

No Detections.

Client Sample ID: TB-ROX-040921-8260-BP

Lab Sample ID: 400-201871-2

No Detections.

Client Sample ID: MW23-ROX-040921

Lab Sample ID: 400-201871-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.041	J	0.19	0.034	ug/L	1		8270D LL	Total/NA
Pyrene	0.055	J	0.19	0.038	ug/L	1		8270D LL	Total/NA

This Detection Summary does not include radiochemical test results.

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

Job ID: 400-201871-1

Client Sample ID: TB-ROX-040921-8011-BP
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201871-1
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		0.030	0.0055	ug/L		04/19/21 09:01	04/19/21 14:59	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/19/21 09:01	04/19/21 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*	*p*	*51 - 149*	*04/19/21 09:01*	*04/19/21 14:59*	*1*

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

Job ID: 400-201871-1

Client Sample ID: TB-ROX-040921-8260-BP
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201871-2
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			04/22/21 18:52	1
Acrolein	ND		20	10	ug/L			04/22/21 18:52	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/22/21 18:52	1
Benzene	ND		1.0	0.38	ug/L			04/22/21 18:52	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/21 18:52	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/21 18:52	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/21 18:52	1
Bromoform	ND		5.0	0.71	ug/L			04/22/21 18:52	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/21 18:52	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/22/21 18:52	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/21 18:52	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/22/21 18:52	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/22/21 18:52	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/22/21 18:52	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/21 18:52	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/22/21 18:52	1
Chloroform	ND		1.0	0.60	ug/L			04/22/21 18:52	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/22/21 18:52	1
Chloromethane	ND		1.0	0.83	ug/L			04/22/21 18:52	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.50	ug/L			04/22/21 18:52	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 18:52	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/21 18:52	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/21 18:52	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/21 18:52	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/21 18:52	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/22/21 18:52	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/22/21 18:52	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 18:52	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			04/22/21 18:52	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 18:52	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 18:52	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/22/21 18:52	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/22/21 18:52	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/21 18:52	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/21 18:52	1
2-Hexanone	ND		25	3.1	ug/L			04/22/21 18:52	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/22/21 18:52	1
Methylene bromide	ND		5.0	0.59	ug/L			04/22/21 18:52	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/21 18:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/21 18:52	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/22/21 18:52	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/22/21 18:52	1
Naphthalene	ND		1.0	1.0	ug/L			04/22/21 18:52	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/22/21 18:52	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/22/21 18:52	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/21 18:52	1
o-Xylene	ND		5.0	0.60	ug/L			04/22/21 18:52	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/21 18:52	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/22/21 18:52	1

Client Sample ID: TB-ROX-040921-8260-BP
Date Collected: 04/09/21 00:00
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201871-2
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			04/22/21 18:52	1
Styrene	ND		1.0	1.0	ug/L			04/22/21 18:52	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/22/21 18:52	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/22/21 18:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/21 18:52	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/22/21 18:52	1
Toluene	ND		1.0	0.41	ug/L			04/22/21 18:52	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 18:52	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 18:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/22/21 18:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/21 18:52	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/22/21 18:52	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/22/21 18:52	1
Trichloroethene	ND		1.0	0.50	ug/L			04/22/21 18:52	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/22/21 18:52	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/21 18:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/22/21 18:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/22/21 18:52	1
Vinyl acetate	ND		25	2.0	ug/L			04/22/21 18:52	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/22/21 18:52	1
Xylenes, Total	ND		10	1.6	ug/L			04/22/21 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*04/22/21 18:52*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*04/22/21 18:52*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/22/21 18:52*	*1*

Client Sample ID: MW23-ROX-040921
Date Collected: 04/09/21 10:15
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201871-3
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			04/22/21 19:17	1
Acrolein	ND		20	10	ug/L			04/22/21 19:17	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/22/21 19:17	1
Benzene	ND		1.0	0.38	ug/L			04/22/21 19:17	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/21 19:17	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/21 19:17	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/21 19:17	1
Bromoform	ND		5.0	0.71	ug/L			04/22/21 19:17	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/21 19:17	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/22/21 19:17	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/21 19:17	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/22/21 19:17	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/22/21 19:17	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/22/21 19:17	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/21 19:17	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/22/21 19:17	1
Chloroform	ND		1.0	0.60	ug/L			04/22/21 19:17	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/22/21 19:17	1
Chloromethane	ND		1.0	0.83	ug/L			04/22/21 19:17	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.50	ug/L			04/22/21 19:17	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 19:17	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/21 19:17	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/21 19:17	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/21 19:17	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/21 19:17	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/22/21 19:17	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/22/21 19:17	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 19:17	1
1,2-Dichloropropane	ND	*+	1.0	0.50	ug/L			04/22/21 19:17	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 19:17	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 19:17	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/22/21 19:17	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/22/21 19:17	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/21 19:17	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/21 19:17	1
2-Hexanone	ND		25	3.1	ug/L			04/22/21 19:17	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/22/21 19:17	1
Methylene bromide	ND		5.0	0.59	ug/L			04/22/21 19:17	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/21 19:17	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/21 19:17	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/22/21 19:17	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/22/21 19:17	1
Naphthalene	ND		1.0	1.0	ug/L			04/22/21 19:17	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/22/21 19:17	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/22/21 19:17	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/21 19:17	1
o-Xylene	ND		5.0	0.60	ug/L			04/22/21 19:17	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/21 19:17	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/22/21 19:17	1

Client Sample ID: MW23-ROX-040921
Date Collected: 04/09/21 10:15
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201871-3
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			04/22/21 19:17	1
Styrene	ND		1.0	1.0	ug/L			04/22/21 19:17	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/22/21 19:17	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/22/21 19:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/21 19:17	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/22/21 19:17	1
Toluene	ND		1.0	0.41	ug/L			04/22/21 19:17	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 19:17	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 19:17	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/22/21 19:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/21 19:17	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/22/21 19:17	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/22/21 19:17	1
Trichloroethene	ND		1.0	0.50	ug/L			04/22/21 19:17	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/22/21 19:17	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/21 19:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/22/21 19:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/22/21 19:17	1
Vinyl acetate	ND		25	2.0	ug/L			04/22/21 19:17	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/22/21 19:17	1
Xylenes, Total	ND		10	1.6	ug/L			04/22/21 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*04/22/21 19:17*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*04/22/21 19:17*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/22/21 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	0.030	ug/L		04/16/21 09:34	04/20/21 17:49	1
Acenaphthene	ND	H ~~UJ~~	0.19	0.030	ug/L		04/26/21 13:34	04/28/21 18:20	1
Acenaphthylene	ND		0.19	0.042	ug/L		04/16/21 09:34	04/20/21 17:49	1
Acenaphthylene	ND	H ~~UJ~~	0.19	0.042	ug/L		04/26/21 13:34	04/28/21 18:20	1
Anthracene	ND		0.19	0.030	ug/L		04/16/21 09:34	04/20/21 17:49	1
Anthracene	ND	H ~~UJ~~	0.19	0.030	ug/L		04/26/21 13:34	04/28/21 18:20	1
Benzo[a]anthracene	ND	*- UJ	0.19	0.043	ug/L		04/16/21 09:34	04/20/21 17:49	1
Benzo[a]anthracene	ND	H ~~UJ~~	0.19	0.043	ug/L		04/26/21 13:34	04/28/21 18:20	1
Benzo[a]pyrene	ND		0.19	0.039	ug/L		04/16/21 09:34	04/20/21 17:49	1
Benzo[a]pyrene	ND	H ~~UJ~~	0.19	0.039	ug/L		04/26/21 13:34	04/28/21 18:20	1
Benzo[b]fluoranthene	ND	*- UJ	0.19	0.032	ug/L		04/16/21 09:34	04/20/21 17:49	1
Benzo[b]fluoranthene	ND	H ~~UJ~~	0.19	0.032	ug/L		04/26/21 13:34	04/28/21 18:20	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/16/21 09:34	04/20/21 17:49	1
Benzo[g,h,i]perylene	ND	H ~~UJ~~	0.19	0.12	ug/L		04/26/21 13:34	04/28/21 18:20	1
Benzo[k]fluoranthene	ND	*- UJ	0.19	0.094	ug/L		04/16/21 09:34	04/20/21 17:49	1
Benzo[k]fluoranthene	ND	H ~~UJ~~	0.19	0.094	ug/L		04/26/21 13:34	04/28/21 18:20	1
Chrysene	ND	*- UJ	0.19	0.069	ug/L		04/16/21 09:34	04/20/21 17:49	1
Chrysene	ND	H ~~UJ~~	0.19	0.069	ug/L		04/26/21 13:34	04/28/21 18:20	1
Dibenz(a,h)anthracene	ND	*-	0.19	0.047	ug/L		04/16/21 09:34	04/20/21 17:49	1
Dibenz(a,h)anthracene	ND	H ~~UJ~~	0.19	0.047	ug/L		04/26/21 13:34	04/28/21 18:20	1
Fluoranthene	ND		0.19	0.064	ug/L		04/16/21 09:34	04/20/21 17:49	1

Client Sample ID: MW23-ROX-040921
Date Collected: 04/09/21 10:15
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201871-3
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
Fluoranthene	ND	H UJ	0.19	0.064	ug/L		04/26/21 13:34	04/28/21 18:20	1
Fluorene	ND		0.19	0.10	ug/L		04/16/21 09:34	04/20/21 17:49	1
Fluorene	ND	H UJ	0.19	0.10	ug/L		04/26/21 13:34	04/28/21 18:20	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.040	ug/L		04/16/21 09:34	04/20/21 17:49	1
Indeno[1,2,3-cd]pyrene	ND	H UJ	0.19	0.040	ug/L		04/26/21 13:34	04/28/21 18:20	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		04/16/21 09:34	04/20/21 17:49	1
1-Methylnaphthalene	ND	H UJ	0.19	0.069	ug/L		04/26/21 13:34	04/28/21 18:20	1
2-Methylnaphthalene	ND		0.19	0.056	ug/L		04/16/21 09:34	04/20/21 17:49	1
2-Methylnaphthalene	ND	H UJ	0.19	0.056	ug/L		04/26/21 13:34	04/28/21 18:20	1
Phenanthrene	0.041	J	0.19	0.034	ug/L		04/16/21 09:34	04/20/21 17:49	1
Phenanthrene	ND	H UJ	0.19	0.034	ug/L		04/26/21 13:34	04/28/21 18:20	1
Pyrene	0.055	J	0.19	0.038	ug/L		04/16/21 09:34	04/20/21 17:49	1
Pyrene	ND	H UJ	0.19	0.037	ug/L		04/26/21 13:34	04/28/21 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*15 - 122*	*04/16/21 09:34*	*04/20/21 17:49*	*1*
2-Fluorobiphenyl	*62*		*15 - 122*	*04/26/21 13:34*	*04/28/21 18:20*	*1*
Nitrobenzene-d5	*28*		*19 - 130*	*04/16/21 09:34*	*04/20/21 17:49*	*1*
Nitrobenzene-d5	*26*		*19 - 130*	*04/26/21 13:34*	*04/28/21 18:20*	*1*
Terphenyl-d14	*72*		*33 - 138*	*04/16/21 09:34*	*04/20/21 17:49*	*1*
Terphenyl-d14	*71*		*33 - 138*	*04/26/21 13:34*	*04/28/21 18:20*	*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		04/16/21 09:34	04/20/21 13:26	1
Benzenethiol	ND	*1 *- UJ	9.4	1.6	ug/L		04/16/21 09:34	04/20/21 13:26	1
Benzoic acid	ND	*1	28	6.8	ug/L		04/16/21 09:34	04/20/21 13:26	1
Benzyl alcohol	ND		9.4	1.9	ug/L		04/16/21 09:34	04/20/21 13:26	1
Bis(2-chloroethoxy)methane	ND		9.4	0.15	ug/L		04/16/21 09:34	04/20/21 13:26	1
Bis(2-chloroethyl)ether	ND		9.4	2.5	ug/L		04/16/21 09:34	04/20/21 13:26	1
bis (2-chloroisopropyl) ether	ND		9.4	0.15	ug/L		04/16/21 09:34	04/20/21 13:26	1
Bis(2-ethylhexyl) phthalate	ND		9.4	4.7	ug/L		04/16/21 09:34	04/20/21 13:26	1
4-Bromophenyl phenyl ether	ND		9.4	0.19	ug/L		04/16/21 09:34	04/20/21 13:26	1
Butyl benzyl phthalate	ND		9.4	0.18	ug/L		04/16/21 09:34	04/20/21 13:26	1
4-Chloroaniline	ND		9.4	3.2	ug/L		04/16/21 09:34	04/20/21 13:26	1
4-Chloro-3-methylphenol	ND		9.4	3.6	ug/L		04/16/21 09:34	04/20/21 13:26	1
2-Chloronaphthalene	ND		9.4	0.13	ug/L		04/16/21 09:34	04/20/21 13:26	1
2-Chlorophenol	ND	*-	9.4	2.1	ug/L		04/16/21 09:34	04/20/21 13:26	1
4-Chlorophenyl phenyl ether	ND		9.4	1.9	ug/L		04/16/21 09:34	04/20/21 13:26	1
Dibenz[a,h]acridine	ND		9.4	0.94	ug/L		04/16/21 09:34	04/20/21 13:26	1
Dibenzofuran	ND		9.4	0.16	ug/L		04/16/21 09:34	04/20/21 13:26	1
3,3'-Dichlorobenzidine	ND		9.4	2.4	ug/L		04/16/21 09:34	04/20/21 13:26	1
2,4-Dichlorophenol	ND	*-	9.4	2.8	ug/L		04/16/21 09:34	04/20/21 13:26	1
Diethyl phthalate	ND		9.4	0.23	ug/L		04/16/21 09:34	04/20/21 13:26	1
2,4-Dimethylphenol	ND		9.4	3.3	ug/L		04/16/21 09:34	04/20/21 13:26	1
Dimethyl phthalate	ND		9.4	0.16	ug/L		04/16/21 09:34	04/20/21 13:26	1
Di-n-butyl phthalate	ND		9.4	2.5	ug/L		04/16/21 09:34	04/20/21 13:26	1
4,6-Dinitro-ortho-cresol	ND		9.4	1.5	ug/L		04/16/21 09:34	04/20/21 13:26	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		04/16/21 09:34	04/20/21 13:26	1
2,4-Dinitrotoluene	ND		9.4	1.8	ug/L		04/16/21 09:34	04/20/21 13:26	1

Client Sample ID: MW23-ROX-040921
Date Collected: 04/09/21 10:15
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201871-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.4	1.8	ug/L		04/16/21 09:34	04/20/21 13:26	1
Di-n-octyl phthalate	ND		9.4	0.16	ug/L		04/16/21 09:34	04/20/21 13:26	1
1,4-Dioxane	ND		9.4	0.94	ug/L		04/16/21 09:34	04/20/21 13:26	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.4	0.94	ug/L		04/16/21 09:34	04/20/21 13:26	1
Hexachlorobenzene	ND		9.4	0.16	ug/L		04/16/21 09:34	04/20/21 13:26	1
Hexachlorocyclopentadiene	ND		19	2.4	ug/L		04/16/21 09:34	04/20/21 13:26	1
Hexachloroethane	ND		9.4	3.9	ug/L		04/16/21 09:34	04/20/21 13:26	1
Indene	ND		9.4	0.94	ug/L		04/16/21 09:34	04/20/21 13:26	1
Isophorone	ND		9.4	0.13	ug/L		04/16/21 09:34	04/20/21 13:26	1
2-Methylphenol	ND	*-	9.4	1.7	ug/L		04/16/21 09:34	04/20/21 13:26	1
3 & 4 Methylphenol	ND	*-	19	0.37	ug/L		04/16/21 09:34	04/20/21 13:26	1
2-Nitroaniline	ND		9.4	2.1	ug/L		04/16/21 09:34	04/20/21 13:26	1
3-Nitroaniline	ND		9.4	1.7	ug/L		04/16/21 09:34	04/20/21 13:26	1
4-Nitroaniline	ND		9.4	1.4	ug/L		04/16/21 09:34	04/20/21 13:26	1
Nitrobenzene	ND		9.4	0.12	ug/L		04/16/21 09:34	04/20/21 13:26	1
2-Nitrophenol	ND	*-	9.4	4.9	ug/L		04/16/21 09:34	04/20/21 13:26	1
4-Nitrophenol	ND		9.4	2.0	ug/L		04/16/21 09:34	04/20/21 13:26	1
N-Nitrosodimethylamine	ND		9.4	3.3	ug/L		04/16/21 09:34	04/20/21 13:26	1
N-Nitrosodi-n-propylamine	ND		9.4	3.1	ug/L		04/16/21 09:34	04/20/21 13:26	1
N-Nitrosodiphenylamine	ND		9.4	0.17	ug/L		04/16/21 09:34	04/20/21 13:26	1
Pentachlorophenol	ND		19	1.3	ug/L		04/16/21 09:34	04/20/21 13:26	1
Phenol	ND		9.4	2.4	ug/L		04/16/21 09:34	04/20/21 13:26	1
Pyridine	ND		9.4	3.0	ug/L		04/16/21 09:34	04/20/21 13:26	1
Quinoline	ND		9.4	4.2	ug/L		04/16/21 09:34	04/20/21 13:26	1
2,4,5-Trichlorophenol	ND	*-	9.4	3.5	ug/L		04/16/21 09:34	04/20/21 13:26	1
2,4,6-Trichlorophenol	ND	*-	9.4	3.3	ug/L		04/16/21 09:34	04/20/21 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*46 - 124*	*04/16/21 09:34*	*04/20/21 13:26*	*1*
2-Fluorophenol	*9*	*S1-*	*13 - 113*	*04/16/21 09:34*	*04/20/21 13:26*	*1*
Nitrobenzene-d5	*60*		*36 - 126*	*04/16/21 09:34*	*04/20/21 13:26*	*1*
Phenol-d5	*39*		*17 - 127*	*04/16/21 09:34*	*04/20/21 13:26*	*1*
Terphenyl-d14	*70*		*44 - 149*	*04/16/21 09:34*	*04/20/21 13:26*	*1*
2,4,6-Tribromophenol	*58*		*26 - 150*	*04/16/21 09:34*	*04/20/21 13:26*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND	H UJ	9.4	2.1	ug/L		04/26/21 13:34	04/28/21 19:03	1
2,4-Dichlorophenol	ND	H	9.4	2.8	ug/L		04/26/21 13:34	04/28/21 19:03	1
2-Methylphenol	ND	H	9.4	1.7	ug/L		04/26/21 13:34	04/28/21 19:03	1
3 & 4 Methylphenol	ND	H	19	0.36	ug/L		04/26/21 13:34	04/28/21 19:03	1
2-Nitrophenol	ND	H	9.4	4.9	ug/L		04/26/21 13:34	04/28/21 19:03	1
2,4,5-Trichlorophenol	ND	H	9.4	3.5	ug/L		04/26/21 13:34	04/28/21 19:03	1
2,4,6-Trichlorophenol	ND	H	9.4	3.3	ug/L		04/26/21 13:34	04/28/21 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*46 - 124*	*04/26/21 13:34*	*04/28/21 19:03*	*1*
2-Fluorophenol	*42*		*13 - 113*	*04/26/21 13:34*	*04/28/21 19:03*	*1*
Nitrobenzene-d5	*52*		*36 - 126*	*04/26/21 13:34*	*04/28/21 19:03*	*1*

Client Sample ID: MW23-ROX-040921
Date Collected: 04/09/21 10:15
Date Received: 04/10/21 12:50

Lab Sample ID: 400-201871-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*55*		*17 - 127*	*04/26/21 13:34*	*04/28/21 19:03*	*1*
Terphenyl-d14	*71*		*44 - 149*	*04/26/21 13:34*	*04/28/21 19:03*	*1*
2,4,6-Tribromophenol	*73*		*26 - 150*	*04/26/21 13:34*	*04/28/21 19:03*	*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		0.030	0.0055	ug/L		04/19/21 09:01	04/19/21 15:19	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/19/21 09:01	04/19/21 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*80*	*p*	*51 - 149*	*04/19/21 09:01*	*04/19/21 15:19*	*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
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
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.

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: 400-201871-1

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)
400-201871-2	TB-ROX-040921-8260-BP	89	97	92
400-201871-3	MW23-ROX-040921	89	100	92
LCS 400-528639/1002	Lab Control Sample	89	102	91
MB 400-528639/4	Method Blank	89	100	91

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)
400-201871-3	MW23-ROX-040921	65	9 S1-	60	39	70	58
400-201871-3 - RERA	MW23-ROX-040921	60	42	52	55	71	73
LCS 400-527852/2-A	Lab Control Sample	91	17	75	41	101	94
LCS 400-527852/4-A	Lab Control Sample	72	25	67	53	80	24 S1-
LCS 400-529209/2-A	Lab Control Sample	74	64	70	75	90	99
LCSD 400-527852/3-A	Lab Control Sample Dup	96	18	83	47	108	95
LCSD 400-527852/5-A	Lab Control Sample Dup	86	82	78	84	101	62
MB 400-527852/1-A	Method Blank	74	28	70	59	85	62
MB 400-529209/1-A	Method Blank	85	36	72	62	105	70

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)
400-201871-3	MW23-ROX-040921	63	28	72
400-201871-3	MW23-ROX-040921	62	26	71
LCS 400-527852/2-A	Lab Control Sample	78	32	86
LCS 400-529209/2-A	Lab Control Sample	85	25	93
LCSD 400-527852/3-A	Lab Control Sample Dup	82	29	86
MB 400-527852/1-A	Method Blank	65	32	80
MB 400-529209/1-A	Method Blank	65	29	81

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: 400-201871-1

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)
400-201871-1	TB-ROX-040921-8011-BP	82 p
400-201871-3	MW23-ROX-040921	80 p
LCS 400-528083/2-A	Lab Control Sample	80
LCSD 400-528083/3-A	Lab Control Sample Dup	85
MB 400-528083/1-A	Method Blank	73

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

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

Job ID: 400-201871-1

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-040921-8011-BP — **Lab Sample ID: 400-201871-1**
Date Collected: 04/09/21 00:00 — **Matrix: Water**
Date Received: 04/10/21 12:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35.1 mL	35 mL	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 14:59	DS	TAL PEN

Client Sample ID: TB-ROX-040921-8260-BP — **Lab Sample ID: 400-201871-2**
Date Collected: 04/09/21 00:00 — **Matrix: Water**
Date Received: 04/10/21 12:50

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	528639	04/22/21 18:52	BEP	TAL PEN

Client Sample ID: MW23-ROX-040921 — **Lab Sample ID: 400-201871-3**
Date Collected: 04/09/21 10:15 — **Matrix: Water**
Date Received: 04/10/21 12:50

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	528639	04/22/21 19:17	BEP	TAL PEN
Total/NA	Prep	3520C			266.6 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 13:26	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		267.2 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529498	04/28/21 19:03	S1B	TAL PEN
Total/NA	Prep	3520C			266.6 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 17:49	PP1	TAL PEN
Total/NA	Prep	3520C			267.2 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529447	04/28/21 18:20	KJA	TAL PEN
Total/NA	Prep	8011			35 mL	35 mL	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 15:19	DS	TAL PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-527852/1-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	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 11:40	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 17:02	PP1	TAL PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-528083/1-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	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 12:07	DS	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-528639/4
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	528639	04/22/21 10:12	BEP	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-529209/1-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	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529498	04/28/21 14:24	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529447	04/28/21 15:27	KJA	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-527852/2-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	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528632	04/22/21 12:02	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		5			528357	04/20/21 17:18	PP1	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-527852/4-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			250 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 12:44	S1B	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-528083/2-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	8011			35 mL	35 mL	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 12:26	DS	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-528639/1002
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	528639	04/22/21 09:08	BEP	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-529209/2-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	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529498	04/28/21 15:29	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			529447	04/28/21 15:43	KJA	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-527852/3-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	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528632	04/22/21 12:28	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		5			528357	04/20/21 17:33	PP1	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-527852/5-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	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 13:05	S1B	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-528083/3-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	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 12:46	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: 528639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201871-2	TB-ROX-040921-8260-BP	Total/NA	Water	8260B	
400-201871-3	MW23-ROX-040921	Total/NA	Water	8260B	
MB 400-528639/4	Method Blank	Total/NA	Water	8260B	
LCS 400-528639/1002	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 527852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201871-3	MW23-ROX-040921	Total/NA	Water	3520C	
MB 400-527852/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-527852/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-527852/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-527852/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-527852/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 528281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201871-3	MW23-ROX-040921	Total/NA	Water	8270D	527852
MB 400-527852/1-A	Method Blank	Total/NA	Water	8270D	527852
LCS 400-527852/4-A	Lab Control Sample	Total/NA	Water	8270D	527852
LCSD 400-527852/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	527852

Analysis Batch: 528357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201871-3	MW23-ROX-040921	Total/NA	Water	8270D LL	527852
MB 400-527852/1-A	Method Blank	Total/NA	Water	8270D LL	527852
LCS 400-527852/2-A	Lab Control Sample	Total/NA	Water	8270D LL	527852
LCSD 400-527852/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	527852

Analysis Batch: 528632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-527852/2-A	Lab Control Sample	Total/NA	Water	8270D	527852
LCSD 400-527852/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	527852

Prep Batch: 529209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201871-3 - RERA	MW23-ROX-040921	Total/NA	Water	3520C	
400-201871-3	MW23-ROX-040921	Total/NA	Water	3520C	
MB 400-529209/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-529209/2-A	Lab Control Sample	Total/NA	Water	3520C	

Analysis Batch: 529447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201871-3	MW23-ROX-040921	Total/NA	Water	8270D LL	529209
MB 400-529209/1-A	Method Blank	Total/NA	Water	8270D LL	529209
LCS 400-529209/2-A	Lab Control Sample	Total/NA	Water	8270D LL	529209

Analysis Batch: 529498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201871-3 - RERA	MW23-ROX-040921	Total/NA	Water	8270D	529209

GC/MS Semi VOA (Continued)

Analysis Batch: 529498 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-529209/1-A	Method Blank	Total/NA	Water	8270D	529209
LCS 400-529209/2-A	Lab Control Sample	Total/NA	Water	8270D	529209

GC Semi VOA

Prep Batch: 528083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201871-1	TB-ROX-040921-8011-BP	Total/NA	Water	8011	
400-201871-3	MW23-ROX-040921	Total/NA	Water	8011	
MB 400-528083/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-528083/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-528083/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 528112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201871-1	TB-ROX-040921-8011-BP	Total/NA	Water	8011	528083
400-201871-3	MW23-ROX-040921	Total/NA	Water	8011	528083
MB 400-528083/1-A	Method Blank	Total/NA	Water	8011	528083
LCS 400-528083/2-A	Lab Control Sample	Total/NA	Water	8011	528083
LCSD 400-528083/3-A	Lab Control Sample Dup	Total/NA	Water	8011	528083

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-528639/4
Matrix: Water
Analysis Batch: 528639

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			04/22/21 10:12	1
Acrolein	ND		20	10	ug/L			04/22/21 10:12	1
Acrylonitrile	ND		10	2.8	ug/L			04/22/21 10:12	1
Benzene	ND		1.0	0.38	ug/L			04/22/21 10:12	1
Bromobenzene	ND		1.0	0.54	ug/L			04/22/21 10:12	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/22/21 10:12	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Bromoform	ND		5.0	0.71	ug/L			04/22/21 10:12	1
Bromomethane	ND		1.0	0.98	ug/L			04/22/21 10:12	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/22/21 10:12	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Chloroethane	ND		1.0	0.76	ug/L			04/22/21 10:12	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/22/21 10:12	1
Chloroform	ND		1.0	0.60	ug/L			04/22/21 10:12	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/22/21 10:12	1
Chloromethane	ND		1.0	0.83	ug/L			04/22/21 10:12	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 10:12	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 10:12	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/22/21 10:12	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/22/21 10:12	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/22/21 10:12	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/22/21 10:12	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 10:12	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/22/21 10:12	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/22/21 10:12	1
2-Hexanone	ND		25	3.1	ug/L			04/22/21 10:12	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/22/21 10:12	1
Methylene bromide	ND		5.0	0.59	ug/L			04/22/21 10:12	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/22/21 10:12	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/22/21 10:12	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/22/21 10:12	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/22/21 10:12	1
Naphthalene	ND		1.0	1.0	ug/L			04/22/21 10:12	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/22/21 10:12	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/22/21 10:12	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/22/21 10:12	1
o-Xylene	ND		5.0	0.60	ug/L			04/22/21 10:12	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/22/21 10:12	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-528639/4
Matrix: Water
Analysis Batch: 528639

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			04/22/21 10:12	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/22/21 10:12	1
Styrene	ND		1.0	1.0	ug/L			04/22/21 10:12	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/22/21 10:12	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/22/21 10:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/22/21 10:12	1
Toluene	ND		1.0	0.41	ug/L			04/22/21 10:12	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/22/21 10:12	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/22/21 10:12	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/22/21 10:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/22/21 10:12	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/22/21 10:12	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/22/21 10:12	1
Trichloroethene	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/22/21 10:12	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/22/21 10:12	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/22/21 10:12	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/22/21 10:12	1
Vinyl acetate	ND		25	2.0	ug/L			04/22/21 10:12	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/22/21 10:12	1
Xylenes, Total	ND		10	1.6	ug/L			04/22/21 10:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*04/22/21 10:12*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*04/22/21 10:12*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/22/21 10:12*	*1*

Lab Sample ID: LCS 400-528639/1002
Matrix: Water
Analysis Batch: 528639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	249		ug/L		124	43 - 160
Acrolein	500	575		ug/L		115	38 - 160
Acrylonitrile	500	775	*+	ug/L		155	64 - 142
Benzene	50.0	54.7		ug/L		109	70 - 130
Bromobenzene	50.0	53.2		ug/L		106	70 - 132
Bromochloromethane	50.0	58.5		ug/L		117	70 - 130
Bromodichloromethane	50.0	50.3		ug/L		101	67 - 133
Bromoform	50.0	49.0		ug/L		98	57 - 140
Bromomethane	50.0	50.5		ug/L		101	10 - 160
2-Butanone (MEK)	200	217		ug/L		109	61 - 145
Carbon disulfide	50.0	50.9		ug/L		102	61 - 137
Carbon tetrachloride	50.0	59.1		ug/L		118	61 - 137
Chlorobenzene	50.0	52.7		ug/L		105	70 - 130
Dibromochloromethane	50.0	50.8		ug/L		102	67 - 135
Chloroethane	50.0	68.4		ug/L		137	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528639/1002
Matrix: Water
Analysis Batch: 528639

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	52.9		ug/L		106	10 - 160
Chloroform	50.0	53.6		ug/L		107	69 - 130
1-Chlorohexane	50.0	63.7		ug/L		127	69 - 130
Chloromethane	50.0	67.7		ug/L		135	58 - 137
cis-1,2-Dichloroethene	50.0	71.0	*+	ug/L		142	68 - 130
cis-1,3-Dichloropropene	50.0	54.1		ug/L		108	69 - 132
1,2-Dichlorobenzene	50.0	51.8		ug/L		104	67 - 130
1,3-Dichlorobenzene	50.0	53.2		ug/L		106	70 - 130
1,4-Dichlorobenzene	50.0	54.2		ug/L		108	70 - 130
Dichlorodifluoromethane	50.0	67.9		ug/L		136	41 - 146
1,1-Dichloroethane	50.0	73.7	*+	ug/L		147	70 - 130
1,2-Dichloroethane	50.0	61.5		ug/L		123	69 - 130
1,1-Dichloroethene	50.0	53.2		ug/L		106	63 - 134
1,2-Dichloropropane	50.0	67.0	*+	ug/L		134	70 - 130
1,3-Dichloropropane	50.0	48.8		ug/L		98	70 - 130
2,2-Dichloropropane	50.0	57.8		ug/L		116	52 - 135
1,1-Dichloropropene	50.0	56.6		ug/L		113	70 - 130
Ethylbenzene	50.0	48.4		ug/L		97	70 - 130
Ethyl methacrylate	50.0	45.8		ug/L		92	68 - 130
Hexachlorobutadiene	50.0	60.3		ug/L		121	53 - 140
2-Hexanone	200	242		ug/L		121	65 - 137
Isopropylbenzene	50.0	50.7		ug/L		101	70 - 130
Methylene bromide	50.0	51.2		ug/L		102	70 - 130
Methylene Chloride	50.0	52.1		ug/L		104	66 - 135
4-Methyl-2-pentanone (MIBK)	200	268		ug/L		134	69 - 138
Methyl tert-butyl ether	50.0	50.9		ug/L		102	66 - 130
m-Xylene & p-Xylene	50.0	48.3		ug/L		97	70 - 130
Naphthalene	50.0	58.4		ug/L		117	47 - 149
n-Butylbenzene	50.0	47.1		ug/L		94	67 - 130
N-Propylbenzene	50.0	50.6		ug/L		101	70 - 130
o-Chlorotoluene	50.0	47.1		ug/L		94	70 - 130
o-Xylene	50.0	47.7		ug/L		95	70 - 130
p-Chlorotoluene	50.0	47.0		ug/L		94	70 - 130
p-Isopropyltoluene	50.0	53.0		ug/L		106	65 - 130
sec-Butylbenzene	50.0	49.4		ug/L		99	66 - 130
Styrene	50.0	49.6		ug/L		99	70 - 130
tert-Butylbenzene	50.0	47.5		ug/L		95	64 - 139
1,1,1,2-Tetrachloroethane	50.0	54.0		ug/L		108	67 - 131
1,1,2,2-Tetrachloroethane	50.0	43.3		ug/L		87	70 - 131
Tetrachloroethene	50.0	51.7		ug/L		103	65 - 130
Toluene	50.0	48.3		ug/L		97	70 - 130
trans-1,2-Dichloroethene	50.0	56.5		ug/L		113	70 - 130
trans-1,3-Dichloropropene	50.0	48.0		ug/L		96	63 - 130
1,2,3-Trichlorobenzene	50.0	58.1		ug/L		116	60 - 138
1,2,4-Trichlorobenzene	50.0	59.3		ug/L		119	60 - 140
1,1,1-Trichloroethane	50.0	54.9		ug/L		110	68 - 130
1,1,2-Trichloroethane	50.0	47.5		ug/L		95	70 - 130
Trichloroethene	50.0	60.3		ug/L		121	70 - 130
Trichlorofluoromethane	50.0	63.3		ug/L		127	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528639/1002
Matrix: Water
Analysis Batch: 528639

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	45.6		ug/L		91	70 - 130
1,2,4-Trimethylbenzene	50.0	47.8		ug/L		96	70 - 130
1,3,5-Trimethylbenzene	50.0	49.3		ug/L		99	69 - 130
Vinyl acetate	100	98.8		ug/L		99	26 - 160
Vinyl chloride	50.0	79.8	*+	ug/L		160	59 - 136
Xylenes, Total	100	96.0		ug/L		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*91*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-527852/1-A
Matrix: Water
Analysis Batch: 528281

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		04/16/21 09:34	04/20/21 11:40	1
Benzenethiol	ND		10	1.7	ug/L		04/16/21 09:34	04/20/21 11:40	1
Benzoic acid	ND		30	7.3	ug/L		04/16/21 09:34	04/20/21 11:40	1
Benzyl alcohol	ND		10	2.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/16/21 09:34	04/20/21 11:40	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/16/21 09:34	04/20/21 11:40	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/16/21 09:34	04/20/21 11:40	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/16/21 09:34	04/20/21 11:40	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Chloroaniline	ND		10	3.4	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		04/16/21 09:34	04/20/21 11:40	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/16/21 09:34	04/20/21 11:40	1
2-Chlorophenol	ND		10	2.2	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Dibenzofuran	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 11:40	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Diethyl phthalate	ND		10	0.24	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		04/16/21 09:34	04/20/21 11:40	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 11:40	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/16/21 09:34	04/20/21 11:40	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/16/21 09:34	04/20/21 11:40	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 11:40	1
1,4-Dioxane	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 11:40	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-527852/1-A
Matrix: Water
Analysis Batch: 528281

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 11:40	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/16/21 09:34	04/20/21 11:40	1
Hexachloroethane	ND		10	4.2	ug/L		04/16/21 09:34	04/20/21 11:40	1
Indene	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Isophorone	ND		10	0.14	ug/L		04/16/21 09:34	04/20/21 11:40	1
2-Methylphenol	ND		10	1.8	ug/L		04/16/21 09:34	04/20/21 11:40	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/16/21 09:34	04/20/21 11:40	1
2-Nitroaniline	ND		10	2.2	ug/L		04/16/21 09:34	04/20/21 11:40	1
3-Nitroaniline	ND		10	1.8	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Nitroaniline	ND		10	1.5	ug/L		04/16/21 09:34	04/20/21 11:40	1
Nitrobenzene	ND		10	0.13	ug/L		04/16/21 09:34	04/20/21 11:40	1
2-Nitrophenol	ND		10	5.2	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Nitrophenol	ND		10	2.1	ug/L		04/16/21 09:34	04/20/21 11:40	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		04/16/21 09:34	04/20/21 11:40	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		04/16/21 09:34	04/20/21 11:40	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/16/21 09:34	04/20/21 11:40	1
Pentachlorophenol	ND		20	1.4	ug/L		04/16/21 09:34	04/20/21 11:40	1
Phenol	ND		10	2.6	ug/L		04/16/21 09:34	04/20/21 11:40	1
Pyridine	ND		10	3.2	ug/L		04/16/21 09:34	04/20/21 11:40	1
Quinoline	ND		10	4.5	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/16/21 09:34	04/20/21 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*46 - 124*	*04/16/21 09:34*	*04/20/21 11:40*	*1*
2-Fluorophenol	*28*		*13 - 113*	*04/16/21 09:34*	*04/20/21 11:40*	*1*
Nitrobenzene-d5	*70*		*36 - 126*	*04/16/21 09:34*	*04/20/21 11:40*	*1*
Phenol-d5	*59*		*17 - 127*	*04/16/21 09:34*	*04/20/21 11:40*	*1*
Terphenyl-d14	*85*		*44 - 149*	*04/16/21 09:34*	*04/20/21 11:40*	*1*
2,4,6-Tribromophenol	*62*		*26 - 150*	*04/16/21 09:34*	*04/20/21 11:40*	*1*

Lab Sample ID: LCS 400-527852/2-A
Matrix: Water
Analysis Batch: 528632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	69.1		ug/L		58	21 - 120
Benzoic acid	502	202		ug/L		40	10 - 144
Benzyl alcohol	120	55.5		ug/L		46	28 - 120
Bis(2-chloroethoxy)methane	120	62.4		ug/L		52	47 - 120
Bis(2-chloroethyl)ether	120	52.6		ug/L		44	44 - 120
bis (2-chloroisopropyl) ether	120	48.9		ug/L		41	33 - 121
Bis(2-ethylhexyl) phthalate	120	71.4		ug/L		60	52 - 147
4-Bromophenyl phenyl ether	120	78.3		ug/L		65	54 - 122
Butyl benzyl phthalate	120	70.5		ug/L		59	54 - 133
4-Chloroaniline	120	56.8		ug/L		47	26 - 120
4-Chloro-3-methylphenol	120	59.5		ug/L		50	48 - 131

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-527852/2-A
Matrix: Water
Analysis Batch: 528632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	120	72.3		ug/L		60	52 - 121
2-Chlorophenol	120	25.8	*-	ug/L		22	40 - 120
4-Chlorophenyl phenyl ether	120	78.1		ug/L		65	56 - 125
Dibenz[a,h]acridine	120	110		ug/L		92	31 - 150
Dibenzofuran	120	76.3		ug/L		64	56 - 122
3,3'-Dichlorobenzidine	160	144		ug/L		90	36 - 132
2,4-Dichlorophenol	120	42.9	*-	ug/L		36	49 - 120
Diethyl phthalate	120	76.6		ug/L		64	50 - 137
2,4-Dimethylphenol	120	61.3		ug/L		51	48 - 120
Dimethyl phthalate	120	73.9		ug/L		62	57 - 124
Di-n-butyl phthalate	120	73.1		ug/L		61	58 - 126
4,6-Dinitro-ortho-cresol	240	122		ug/L		51	23 - 148
2,4-Dinitrophenol	240	126		ug/L		52	10 - 150
2,4-Dinitrotoluene	120	81.1		ug/L		68	54 - 142
2,6-Dinitrotoluene	120	75.5		ug/L		63	55 - 130
Di-n-octyl phthalate	120	74.1		ug/L		62	57 - 138
1,4-Dioxane	120	43.0		ug/L		36	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	59.1		ug/L		49	45 - 124
Hexachlorobenzene	120	81.1		ug/L		68	52 - 129
Hexachlorocyclopentadiene	120	44.7		ug/L		37	10 - 134
Hexachloroethane	120	56.0		ug/L		47	20 - 120
Indene	120	96.1		ug/L		80	49 - 120
Isophorone	120	59.8		ug/L		50	48 - 120
2-Methylphenol	120	52.8	*-	ug/L		44	46 - 124
3 & 4 Methylphenol	120	48.2	*-	ug/L		40	45 - 120
2-Nitroaniline	120	61.4		ug/L		51	51 - 145
3-Nitroaniline	120	53.7		ug/L		45	37 - 127
4-Nitroaniline	120	74.8		ug/L		62	36 - 137
Nitrobenzene	120	57.0		ug/L		48	45 - 120
2-Nitrophenol	120	37.8	*-	ug/L		32	40 - 124
4-Nitrophenol	240	96.8		ug/L		40	23 - 146
N-Nitrosodimethylamine	120	56.7		ug/L		47	29 - 137
N-Nitrosodi-n-propylamine	120	61.9		ug/L		52	45 - 120
N-Nitrosodiphenylamine	119	69.3		ug/L		58	54 - 120
Pentachlorophenol	240	131		ug/L		55	31 - 130
Phenol	120	31.7		ug/L		26	11 - 120
Pyridine	240	81.3		ug/L		34	16 - 120
Quinoline	120	103		ug/L		86	49 - 130
2,4,5-Trichlorophenol	120	58.5	*-	ug/L		49	51 - 136
2,4,6-Trichlorophenol	120	55.2	*-	ug/L		46	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*46 - 124*
2-Fluorophenol	*17*		*13 - 113*
Nitrobenzene-d5	*75*		*36 - 126*
Phenol-d5	*41*		*17 - 127*
Terphenyl-d14	*101*		*44 - 149*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-527852/2-A
Matrix: Water
Analysis Batch: 528632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527852

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	94		26 - 150

Lab Sample ID: LCS 400-527852/4-A
Matrix: Water
Analysis Batch: 528281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	2.56	J *-	ug/L		2	10 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	72		46 - 124
2-Fluorophenol	25		13 - 113
Nitrobenzene-d5	67		36 - 126
Phenol-d5	53		17 - 127
Terphenyl-d14	80		44 - 149
2,4,6-Tribromophenol	24	S1-	26 - 150

Lab Sample ID: LCSD 400-527852/3-A
Matrix: Water
Analysis Batch: 528632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	120	76.4		ug/L		64	21 - 120	10	30
Benzoic acid	502	101	*1	ug/L		20	10 - 144	67	30
Benzyl alcohol	120	60.6		ug/L		50	28 - 120	9	30
Bis(2-chloroethoxy)methane	120	67.7		ug/L		56	47 - 120	8	30
Bis(2-chloroethyl)ether	120	57.9		ug/L		48	44 - 120	10	30
bis (2-chloroisopropyl) ether	120	52.0		ug/L		43	33 - 121	6	30
Bis(2-ethylhexyl) phthalate	120	73.9		ug/L		62	52 - 147	3	30
4-Bromophenyl phenyl ether	120	84.4		ug/L		70	54 - 122	8	30
Butyl benzyl phthalate	120	76.1		ug/L		63	54 - 133	8	30
4-Chloroaniline	120	64.3		ug/L		54	26 - 120	12	30
4-Chloro-3-methylphenol	120	65.7		ug/L		55	48 - 131	10	30
2-Chloronaphthalene	120	77.4		ug/L		64	52 - 121	7	30
2-Chlorophenol	120	28.4	*-	ug/L		24	40 - 120	9	30
4-Chlorophenyl phenyl ether	120	84.2		ug/L		70	56 - 125	8	30
Dibenz[a,h]acridine	120	108		ug/L		90	31 - 150	2	30
Dibenzofuran	120	81.9		ug/L		68	56 - 122	7	30
3,3'-Dichlorobenzidine	160	143		ug/L		89	36 - 132	1	30
2,4-Dichlorophenol	120	50.2	*-	ug/L		42	49 - 120	16	30
Diethyl phthalate	120	80.7		ug/L		67	50 - 137	5	30
2,4-Dimethylphenol	120	68.5		ug/L		57	48 - 120	11	30
Dimethyl phthalate	120	79.3		ug/L		66	57 - 124	7	30
Di-n-butyl phthalate	120	76.3		ug/L		64	58 - 126	4	30
4,6-Dinitro-ortho-cresol	240	109		ug/L		46	23 - 148	11	30
2,4-Dinitrophenol	240	101		ug/L		42	10 - 150	22	30
2,4-Dinitrotoluene	120	86.2		ug/L		72	54 - 142	6	30
2,6-Dinitrotoluene	120	81.5		ug/L		68	55 - 130	8	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-527852/3-A
Matrix: Water
Analysis Batch: 528632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-octyl phthalate	120	76.0		ug/L		63	57 - 138	3	30
1,4-Dioxane	120	46.6		ug/L		39	31 - 120	8	30
1,2-Diphenylhydrazine (as Azobenzene)	120	64.3		ug/L		54	45 - 124	8	30
Hexachlorobenzene	120	88.7		ug/L		74	52 - 129	9	30
Hexachlorocyclopentadiene	120	48.4		ug/L		40	10 - 134	8	30
Hexachloroethane	120	61.4		ug/L		51	20 - 120	9	30
Indene	120	102		ug/L		85	49 - 120	6	30
Isophorone	120	65.6		ug/L		55	48 - 120	9	30
2-Methylphenol	120	59.1		ug/L		49	46 - 124	11	30
3 & 4 Methylphenol	120	55.0		ug/L		46	45 - 120	13	30
2-Nitroaniline	120	65.9		ug/L		55	51 - 145	7	30
3-Nitroaniline	120	57.9		ug/L		48	37 - 127	8	30
4-Nitroaniline	120	76.8		ug/L		64	36 - 137	3	30
Nitrobenzene	120	62.9		ug/L		52	45 - 120	10	30
2-Nitrophenol	120	39.6	*-	ug/L		33	40 - 124	5	30
4-Nitrophenol	240	76.7		ug/L		32	23 - 146	23	30
N-Nitrosodimethylamine	120	56.9		ug/L		47	29 - 137	0	30
N-Nitrosodi-n-propylamine	120	67.3		ug/L		56	45 - 120	8	30
N-Nitrosodiphenylamine	119	75.1		ug/L		63	54 - 120	8	30
Pentachlorophenol	240	133		ug/L		55	31 - 130	1	30
Phenol	120	35.5		ug/L		30	11 - 120	11	30
Pyridine	240	82.4		ug/L		34	16 - 120	1	30
Quinoline	120	116		ug/L		97	49 - 130	11	30
2,4,5-Trichlorophenol	120	61.5		ug/L		51	51 - 136	5	30
2,4,6-Trichlorophenol	120	55.7	*-	ug/L		46	50 - 127	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*96*		*46 - 124*
2-Fluorophenol	*18*		*13 - 113*
Nitrobenzene-d5	*83*		*36 - 126*
Phenol-d5	*47*		*17 - 127*
Terphenyl-d14	*108*		*44 - 149*
2,4,6-Tribromophenol	*95*		*26 - 150*

Lab Sample ID: LCSD 400-527852/5-A
Matrix: Water
Analysis Batch: 528281

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	84.5	*1	ug/L		70	10 - 120	188	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*46 - 124*
2-Fluorophenol	*82*		*13 - 113*
Nitrobenzene-d5	*78*		*36 - 126*
Phenol-d5	*84*		*17 - 127*
Terphenyl-d14	*101*		*44 - 149*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-527852/5-A
Matrix: Water
Analysis Batch: 528281

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527852

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*62*		*26 - 150*

Lab Sample ID: MB 400-529209/1-A
Matrix: Water
Analysis Batch: 529498

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529209

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	2.2	ug/L		04/26/21 13:34	04/28/21 14:24	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/26/21 13:34	04/28/21 14:24	1
2-Methylphenol	ND		10	1.8	ug/L		04/26/21 13:34	04/28/21 14:24	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/26/21 13:34	04/28/21 14:24	1
2-Nitrophenol	ND		10	5.2	ug/L		04/26/21 13:34	04/28/21 14:24	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/26/21 13:34	04/28/21 14:24	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/26/21 13:34	04/28/21 14:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*46 - 124*	*04/26/21 13:34*	*04/28/21 14:24*	*1*
2-Fluorophenol	*36*		*13 - 113*	*04/26/21 13:34*	*04/28/21 14:24*	*1*
Nitrobenzene-d5	*72*		*36 - 126*	*04/26/21 13:34*	*04/28/21 14:24*	*1*
Phenol-d5	*62*		*17 - 127*	*04/26/21 13:34*	*04/28/21 14:24*	*1*
Terphenyl-d14	*105*		*44 - 149*	*04/26/21 13:34*	*04/28/21 14:24*	*1*
2,4,6-Tribromophenol	*70*		*26 - 150*	*04/26/21 13:34*	*04/28/21 14:24*	*1*

Lab Sample ID: LCS 400-529209/2-A
Matrix: Water
Analysis Batch: 529498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529209

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorophenol	120	94.0		ug/L		78	40 - 120
2,4-Dichlorophenol	120	92.5		ug/L		77	49 - 120
2-Methylphenol	120	102		ug/L		85	46 - 124
3 & 4 Methylphenol	120	93.4		ug/L		78	45 - 120
2-Nitrophenol	120	97.9		ug/L		82	40 - 124
2,4,5-Trichlorophenol	120	104		ug/L		86	51 - 136
2,4,6-Trichlorophenol	120	94.6		ug/L		79	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*46 - 124*
2-Fluorophenol	*64*		*13 - 113*
Nitrobenzene-d5	*70*		*36 - 126*
Phenol-d5	*75*		*17 - 127*
Terphenyl-d14	*90*		*44 - 149*
2,4,6-Tribromophenol	*99*		*26 - 150*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-527852/1-A
Matrix: Water
Analysis Batch: 528357

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		04/16/21 09:34	04/20/21 17:02	1
Acenaphthylene	ND		0.20	0.045	ug/L		04/16/21 09:34	04/20/21 17:02	1
Anthracene	ND		0.20	0.032	ug/L		04/16/21 09:34	04/20/21 17:02	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		04/16/21 09:34	04/20/21 17:02	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/16/21 09:34	04/20/21 17:02	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/16/21 09:34	04/20/21 17:02	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/16/21 09:34	04/20/21 17:02	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/16/21 09:34	04/20/21 17:02	1
Chrysene	ND		0.20	0.074	ug/L		04/16/21 09:34	04/20/21 17:02	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		04/16/21 09:34	04/20/21 17:02	1
Fluoranthene	ND		0.20	0.068	ug/L		04/16/21 09:34	04/20/21 17:02	1
Fluorene	ND		0.20	0.11	ug/L		04/16/21 09:34	04/20/21 17:02	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/16/21 09:34	04/20/21 17:02	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		04/16/21 09:34	04/20/21 17:02	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		04/16/21 09:34	04/20/21 17:02	1
Phenanthrene	ND		0.20	0.036	ug/L		04/16/21 09:34	04/20/21 17:02	1
Pyrene	ND		0.20	0.040	ug/L		04/16/21 09:34	04/20/21 17:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*15 - 122*	*04/16/21 09:34*	*04/20/21 17:02*	*1*
Nitrobenzene-d5	*32*		*19 - 130*	*04/16/21 09:34*	*04/20/21 17:02*	*1*
Terphenyl-d14	*80*		*33 - 138*	*04/16/21 09:34*	*04/20/21 17:02*	*1*

Lab Sample ID: LCS 400-527852/2-A
Matrix: Water
Analysis Batch: 528357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	63.5		ug/L		53	41 - 120
Acenaphthylene	120	66.1		ug/L		55	44 - 120
Anthracene	120	68.1		ug/L		57	49 - 120
Benzo[a]anthracene	120	62.5	*-	ug/L		52	61 - 135
Benzo[a]pyrene	120	68.2		ug/L		57	52 - 120
Benzo[b]fluoranthene	120	61.8	*-	ug/L		51	53 - 134
Benzo[g,h,i]perylene	120	60.6		ug/L		50	47 - 133
Benzo[k]fluoranthene	120	60.3	*-	ug/L		50	57 - 134
Chrysene	120	58.3	*-	ug/L		49	55 - 122
Dibenz(a,h)anthracene	120	58.9		ug/L		49	48 - 146
Fluoranthene	120	73.6		ug/L		61	54 - 128
Fluorene	120	67.1		ug/L		56	45 - 125
Indeno[1,2,3-cd]pyrene	120	59.5		ug/L		50	43 - 142
1-Methylnaphthalene	120	49.6		ug/L		41	41 - 120
2-Methylnaphthalene	120	53.7		ug/L		45	32 - 124
Phenanthrene	120	63.3		ug/L		53	48 - 120
Pyrene	120	62.3		ug/L		52	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*15 - 122*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-527852/2-A
Matrix: Water
Analysis Batch: 528357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527852

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	*32*		*19 - 130*
Terphenyl-d14	*86*		*33 - 138*

Lab Sample ID: LCSD 400-527852/3-A
Matrix: Water
Analysis Batch: 528357

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	120	68.1		ug/L		57	41 - 120	7	56
Acenaphthylene	120	69.9		ug/L		58	44 - 120	6	56
Anthracene	120	72.6		ug/L		61	49 - 120	6	51
Benzo[a]anthracene	120	66.7	*-	ug/L		56	61 - 135	7	49
Benzo[a]pyrene	120	73.9		ug/L		62	52 - 120	8	50
Benzo[b]fluoranthene	120	67.0		ug/L		56	53 - 134	8	54
Benzo[g,h,i]perylene	120	64.5		ug/L		54	47 - 133	6	50
Benzo[k]fluoranthene	120	66.0	*-	ug/L		55	57 - 134	9	52
Chrysene	120	62.7	*-	ug/L		52	55 - 122	7	50
Dibenz(a,h)anthracene	120	62.1		ug/L		52	48 - 146	5	50
Fluoranthene	120	76.9		ug/L		64	54 - 128	4	52
Fluorene	120	71.4		ug/L		60	45 - 125	6	56
Indeno[1,2,3-cd]pyrene	120	63.7		ug/L		53	43 - 142	7	51
1-Methylnaphthalene	120	52.8		ug/L		44	41 - 120	6	55
2-Methylnaphthalene	120	56.9		ug/L		47	32 - 124	6	57
Phenanthrene	120	66.4		ug/L		55	48 - 120	5	56
Pyrene	120	65.2		ug/L		54	48 - 132	5	52

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	*82*		*15 - 122*
Nitrobenzene-d5	*29*		*19 - 130*
Terphenyl-d14	*86*		*33 - 138*

Lab Sample ID: MB 400-529209/1-A
Matrix: Water
Analysis Batch: 529447

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529209

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		04/26/21 13:34	04/28/21 15:27	1
Acenaphthylene	ND		0.20	0.045	ug/L		04/26/21 13:34	04/28/21 15:27	1
Anthracene	ND		0.20	0.032	ug/L		04/26/21 13:34	04/28/21 15:27	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		04/26/21 13:34	04/28/21 15:27	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/26/21 13:34	04/28/21 15:27	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/26/21 13:34	04/28/21 15:27	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/26/21 13:34	04/28/21 15:27	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/26/21 13:34	04/28/21 15:27	1
Chrysene	ND		0.20	0.074	ug/L		04/26/21 13:34	04/28/21 15:27	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		04/26/21 13:34	04/28/21 15:27	1
Fluoranthene	ND		0.20	0.068	ug/L		04/26/21 13:34	04/28/21 15:27	1
Fluorene	ND		0.20	0.11	ug/L		04/26/21 13:34	04/28/21 15:27	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 400-529209/1-A
Matrix: Water
Analysis Batch: 529447

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529209

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/26/21 13:34	04/28/21 15:27	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		04/26/21 13:34	04/28/21 15:27	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		04/26/21 13:34	04/28/21 15:27	1
Phenanthrene	ND		0.20	0.036	ug/L		04/26/21 13:34	04/28/21 15:27	1
Pyrene	ND		0.20	0.040	ug/L		04/26/21 13:34	04/28/21 15:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*15 - 122*	*04/26/21 13:34*	*04/28/21 15:27*	*1*
Nitrobenzene-d5	*29*		*19 - 130*	*04/26/21 13:34*	*04/28/21 15:27*	*1*
Terphenyl-d14	*81*		*33 - 138*	*04/26/21 13:34*	*04/28/21 15:27*	*1*

Lab Sample ID: LCS 400-529209/2-A
Matrix: Water
Analysis Batch: 529447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529209

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	113		ug/L		94	41 - 120
Acenaphthylene	120	113		ug/L		94	44 - 120
Anthracene	120	110		ug/L		92	49 - 120
Benzo[a]anthracene	120	106		ug/L		88	61 - 135
Benzo[a]pyrene	120	115		ug/L		95	52 - 120
Benzo[b]fluoranthene	120	98.9		ug/L		82	53 - 134
Benzo[g,h,i]perylene	120	104		ug/L		87	47 - 133
Benzo[k]fluoranthene	120	112		ug/L		93	57 - 134
Chrysene	120	103		ug/L		86	55 - 122
Dibenz(a,h)anthracene	120	104		ug/L		86	48 - 146
Fluoranthene	120	118		ug/L		98	54 - 128
Fluorene	120	120		ug/L		100	45 - 125
Indeno[1,2,3-cd]pyrene	120	103		ug/L		86	43 - 142
1-Methylnaphthalene	120	84.9		ug/L		71	41 - 120
2-Methylnaphthalene	120	94.3		ug/L		79	32 - 124
Phenanthrene	120	104		ug/L		87	48 - 120
Pyrene	120	108		ug/L		90	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*85*		*15 - 122*
Nitrobenzene-d5	*25*		*19 - 130*
Terphenyl-d14	*93*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-528083/1-A
Matrix: Water
Analysis Batch: 528112

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528083

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		04/19/21 09:01	04/19/21 12:07	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/19/21 09:01	04/19/21 12:07	1

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: MB 400-528083/1-A
Matrix: Water
Analysis Batch: 528112

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528083

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	73		51 - 149	04/19/21 09:01	04/19/21 12:07	1

Lab Sample ID: LCS 400-528083/2-A
Matrix: Water
Analysis Batch: 528112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528083

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.0864		ug/L		86	60 - 140
1,2-Dibromoethane	0.101	0.0884		ug/L		88	60 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	80		51 - 149

Lab Sample ID: LCSD 400-528083/3-A
Matrix: Water
Analysis Batch: 528112

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528083

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.101	0.0709		ug/L		71	60 - 140	20	30
1,2-Dibromoethane	0.101	0.100		ug/L		99	60 - 140	12	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	85		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 (_____)

Please Check Appropriate Box:
☐ SGW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES_____

Print Bill To Contact Name: Bob Mooshegian
PO #: 60648474 – 3.2.2F
PlaNet Site or Project ID: 25278
GSAP Project ID: USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES
DATE: 4/9/21
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 60648474 – 3.2.2F
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): Aaron Olner, Tony Jones
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
60648474 – 3.2.2F

FI 400-201871 COC

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	8011 EDB + DBCP	SVOC 8270	PAH 8270LL	Container PID Readings or Laboratory Notes
	TB-ROX-040921-8011-BP	4/9/21	00:00	Water	2							X			
	TB-ROX-040921-8260-BP	4/9/21	00:00	↓	2						X				
	MW-23-ROX	4/9/21	1015	↓	6			2	~~2~~	8	X	X	X	X	

AO 4/9/21

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	Fedex: 9509 0064 1489/9509 0064 1490	4/9/21	1500
Relinquished by: (Signature)	Received by: (Signature) [signature]	4-10-21	1250
Relinquished by: (Signature)	Received by: (Signature) 4.2°C, 4.9°C /R-8		

CUSTODY SEALS: 1450618/1450619/1450617/1450616

Version 2Apr21

575/202 (Rev. 1)

LAB (LOCATION)

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))

☐ Other (_____)

Shell Oil Products US Chain Of Custody Record

AECOM

Please Check Appropriate Box:			Print Bill To Contact Name:	PlaNet Site or Project ID	☐ CHECK IF NO INCIDENT # APPLIES
☐ SGW FDG	☐ PIPELINE	☐ RETAIL	Bob Mooshegian	25278	DATE: 4/9/21
☐ CHEMICALS	☐ CONSULTANT	☐ LUBES	PO #	GSAP Project ID	PAGE: 1 of 1
☐ TRANSPORTATION	☑ OTHER _ENV. SERVICES		60648474 – 3.2.2F	USPC/00114/R/02	

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 – 3.2.2F

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): Aaron Oliver, Tony Jones

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: 60648474 – 3.2.2F

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	8011 EDB + DBCP	SVOC 8270	PAH 8270LL
	TB-ROX-040921-8011-BP	4/9/21	00:00	Water	2							X		
	TB-ROX-040921-8260-BP	4/9/21	00:00		2						X			
	MW-23-ROX-040921	4/9/21	1015		6			2	2*8		X	X	X	X

mar 4/9/21

4/9/21

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Aaron Oliver	Fedex: 9509 0064 1489 / 9509 0064 1490	4/9/21	1500
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

Version: 2Apr21

CUSTODY SEALS: 1450618 / 1450619 / 1450617 / 1450616

Page 38 of 43

5/5/2021 (Rev. 1)

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 (_____)

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	☐ CHECK IF NO INCIDENT # APPLIES
Bob Mooshegian	25278	DATE: 4/9/21
PO #	GSAP Project ID	PAGE: 1 of 1
60648474 – 3.2.2F	USPC/00114/R/02	

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 – 3.2.2F
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): Aaron Oliver, Tony Jones
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
60648474 – 3.2.2F

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	8011 EDB + DBCP	SVOC 8270	PAH 8270LL
	TB-ROX-040921-8011-BP	4/9/21	00:00	Water	2							X		
	TB-ROX-040921-8260-BP	4/9/21	00:00	↓	2						X			
	MW-23-ROX-040921 mar 4/9/21	4/9/21	1015	↓	6			2	2*8		X	X	X	X

Relinquished by: (Signature) — Received by: (Signature): Fedex: 9509 0064 1489/9509 0064 1490 — Date: 4/9/21 — Time: 1500
Relinquished by: (Signature) — Received by: (Signature) — Date: — Time:
Relinquished by: (Signature) — Received by: (Signature) — Date: — Time:

CUSTODY SEALS: 1450618/1450619/1450617/1450616

Version: 2Apr21

Klingensmith, Leah

From: Kunkel, Elizabeth <elizabeth.kunkel@aecom.com>
Sent: Tuesday, May 4, 2021 4:57 PM
To: Klingensmith, Leah; Monroe, Lisa
Cc: Remiger, Melissa
Subject: request please - can you reissue Job 400-201871-1?
Attachments: Invoice4000035049_COCs.pdf; REVISED_4000035049_COCs.pdf

EXTERNAL EMAIL*

Leah,

We neglected to remove the dash from what should be sample ID MW23-ROX-040921 when we sent you the corrected COC for Job 400-201871-1.

I have edited and included as a second attachment to this email (page 3 of 3), in which I put a red slash through the dash that was inadvertently included (by AECOM) between the "MW" and "23."

If it is not too much of a hassle would you be able to re-issue the lab report and EQuiS and Excel EDDs to replace the COC with the one on page 3 of the second email attachment as well as report the data under the correct MW23-ROX-040921 Sample ID?

Thank you very much,

Elizabeth Kunkel
1-314-802-1171
elizabeth.kunkel@aecom.com

From: Leah Klingensmith <Leah.Klingensmith@Eurofinset.com>
Sent: Friday, April 30, 2021 11:45 AM
To: Kunkel, Elizabeth <elizabeth.kunkel@aecom.com>; USAPImaging@aecom.com
Subject: [EXTERNAL] Eurofins TestAmerica invoice files from 400-201871-1 ROXANA QUARTERLY GW

Hello,

Attached please find the invoice files for job 400-201871-1; ROXANA QUARTERLY GW

Please feel free to contact me if you have any questions.

Thank you.

Leah Klingensmith
Project Manager

Eurofins TestAmerica, Pensacola
Phone: 615-301-5038

E-mail: Leah.Klingensmith@Eurofinset.com
www.eurofinsus.com/env

Reference: [400-555476]
Attachments: 1

> > Bank information has changed, please refer to remittance information on invoice. < <

* WARNING - EXTERNAL: This email originated from outside of Eurofins Environmental Testing. Do not click any links or open any attachments unless you trust the sender and know that the content is safe!

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-201871-1

Login Number: 201871
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	4.2°C 4.9°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: 400-201871-1

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
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
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	P330-21-00056	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 – 2nd Quarter 2021 Data Review

Laboratory SDG: 400-201937-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 6/7/2021

Guidance: USEPA National Functional Guidelines for Organic Superfund Methods Data Review 2020

Sample Identification	Sample Identification
TB-ROX-041221-8011-SS	TB-ROX-041221-8260-SS
P93A-ROX-041221	

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 VOC and SVOC LCS recoveries for several analytes were outside evaluation criteria. Sample P93A-ROX-041221 was 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?

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 ID	Parameter	Analyte	LCS Recovery	LCS Criteria
LCS 400-528984/1003	VOCs	Acrylonitrile	**145**	64-142
LCS 400-528984/1003	VOCs	1,1-Dichloroethane	**134**	70-130
LCS 400-527531/2-A	SVOCs	Di-n-octyl phthalate	**56**	57-138

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.

Sample ID	Parameter	Analyte	Qualification
P93A-ROX-041221	SVOCs	Di-n-octyl phthalate	**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?

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; 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: 400-201937-1
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:
4/27/2021 11:01:15 AM

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

LINKS

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www.eurofinsus.com/Env

Reviewed 6/7/21 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: 400-201937-1

Job ID: 400-201937-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-201937-1

Comments
No additional comments.

Receipt
The samples were received on 4/13/2021 9:40 AM. Unless otherwise noted below, 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 1.1° C.

GC/MS VOA
Method 8260B: The initial calibration verification (ICV) analyzed in batch 400-504636 was outside method criteria for the following analyte(s): Dichlorodifluoromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260B: The laboratory control sample (LCS) for analytical batch 400-528984 recovered outside control limits for the following analytes: 1,1-Dichloroethane and Acrylonitrile. 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 400-528984 recovered above the upper control limit for 1,2-Dichloropropane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 400-528984/3).

Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: P93A-ROX-041221 (400-201937-3). Elevated reporting limits (RLs) are provided.

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-041221-8260-SS (400-201937-2) and P93A-ROX-041221 (400-201937-3). The requested target analyte list includes 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 following analyte(s) recovered outside control limits for the LCS associated with preparation batch 400-527531 and analytical batch 400-527835: Di-n-octyl phthalate. 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 400-528112 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: 400-201937-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-201937-1	TB-ROX-041221-8011-SS	Water	04/12/21 00:00	04/13/21 09:40	
400-201937-2	TB-ROX-041221-8260-SS	Water	04/12/21 00:00	04/13/21 09:40	
400-201937-3	P93A-ROX-041221	Water	04/12/21 12:50	04/13/21 09:40	

Detection Summary

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

Job ID: 400-201937-1

Client Sample ID: TB-ROX-041221-8011-SS — Lab Sample ID: 400-201937-1

No Detections.

Client Sample ID: TB-ROX-041221-8260-SS — Lab Sample ID: 400-201937-2

No Detections.

Client Sample ID: P93A-ROX-041221 — Lab Sample ID: 400-201937-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	64	J	130	50	ug/L	5		8260B	Total/NA
Benzene	840		5.0	1.9	ug/L	5		8260B	Total/NA
Carbon disulfide	3.0	J	5.0	2.5	ug/L	5		8260B	Total/NA
1-Methylnaphthalene	0.19	J	0.21	0.077	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.13	J	0.21	0.062	ug/L	1		8270D LL	Total/NA
Benzyl alcohol	3.5	J	10	2.1	ug/L	1		8270D	Total/NA
Phenol	2.9	J	10	2.7	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: 400-201937-1

Client Sample ID: TB-ROX-041221-8011-SS
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 09:40

Lab Sample ID: 400-201937-1
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		0.029	0.0054	ug/L		04/19/21 09:14	04/19/21 20:36	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		04/19/21 09:14	04/19/21 20:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*	*p*	*51 - 149*	*04/19/21 09:14*	*04/19/21 20:36*	*1*

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

Job ID: 400-201937-1

Client Sample ID: TB-ROX-041221-8260-SS
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 09:40

Lab Sample ID: 400-201937-2
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			04/24/21 09:14	1
Acrolein	ND		20	10	ug/L			04/24/21 09:14	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/24/21 09:14	1
Benzene	ND		1.0	0.38	ug/L			04/24/21 09:14	1
Bromobenzene	ND		1.0	0.54	ug/L			04/24/21 09:14	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/24/21 09:14	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/24/21 09:14	1
Bromoform	ND		5.0	0.71	ug/L			04/24/21 09:14	1
Bromomethane	ND		1.0	0.98	ug/L			04/24/21 09:14	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/24/21 09:14	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/24/21 09:14	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/24/21 09:14	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/24/21 09:14	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/24/21 09:14	1
Chloroethane	ND		1.0	0.76	ug/L			04/24/21 09:14	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/24/21 09:14	1
Chloroform	ND		1.0	0.60	ug/L			04/24/21 09:14	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/24/21 09:14	1
Chloromethane	ND		1.0	0.83	ug/L			04/24/21 09:14	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/24/21 09:14	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/24/21 09:14	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/24/21 09:14	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/24/21 09:14	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/24/21 09:14	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/24/21 09:14	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/24/21 09:14	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/24/21 09:14	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/24/21 09:14	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/24/21 09:14	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/24/21 09:14	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/24/21 09:14	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/24/21 09:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/24/21 09:14	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/24/21 09:14	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/24/21 09:14	1
2-Hexanone	ND		25	3.1	ug/L			04/24/21 09:14	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/24/21 09:14	1
Methylene bromide	ND		5.0	0.59	ug/L			04/24/21 09:14	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/24/21 09:14	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/24/21 09:14	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/24/21 09:14	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/24/21 09:14	1
Naphthalene	ND		1.0	1.0	ug/L			04/24/21 09:14	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/24/21 09:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/24/21 09:14	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/24/21 09:14	1
o-Xylene	ND		5.0	0.60	ug/L			04/24/21 09:14	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/24/21 09:14	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/24/21 09:14	1

Client Sample ID: TB-ROX-041221-8260-SS
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 09:40

Lab Sample ID: 400-201937-2
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			04/24/21 09:14	1
Styrene	ND		1.0	1.0	ug/L			04/24/21 09:14	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/24/21 09:14	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/24/21 09:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/24/21 09:14	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/24/21 09:14	1
Toluene	ND		1.0	0.41	ug/L			04/24/21 09:14	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/24/21 09:14	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/24/21 09:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/24/21 09:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/24/21 09:14	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/24/21 09:14	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/24/21 09:14	1
Trichloroethene	ND		1.0	0.50	ug/L			04/24/21 09:14	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/24/21 09:14	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/24/21 09:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/24/21 09:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/24/21 09:14	1
Vinyl acetate	ND		25	2.0	ug/L			04/24/21 09:14	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/24/21 09:14	1
Xylenes, Total	ND		10	1.6	ug/L			04/24/21 09:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*04/24/21 09:14*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*04/24/21 09:14*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/24/21 09:14*	*1*

Client Sample ID: P93A-ROX-041221
Date Collected: 04/12/21 12:50
Date Received: 04/13/21 09:40

Lab Sample ID: 400-201937-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	64	J	130	50	ug/L			04/24/21 10:41	5
Acrolein	ND		100	50	ug/L			04/24/21 10:41	5
Acrylonitrile	ND	*+	50	14	ug/L			04/24/21 10:41	5
Benzene	840		5.0	1.9	ug/L			04/24/21 10:41	5
Bromobenzene	ND		5.0	2.7	ug/L			04/24/21 10:41	5
Bromochloromethane	ND		5.0	2.6	ug/L			04/24/21 10:41	5
Bromodichloromethane	ND		5.0	2.5	ug/L			04/24/21 10:41	5
Bromoform	ND		25	3.6	ug/L			04/24/21 10:41	5
Bromomethane	ND		5.0	4.9	ug/L			04/24/21 10:41	5
2-Butanone (MEK)	ND		130	13	ug/L			04/24/21 10:41	5
Carbon disulfide	3.0	J	5.0	2.5	ug/L			04/24/21 10:41	5
Carbon tetrachloride	ND		5.0	2.5	ug/L			04/24/21 10:41	5
Chlorobenzene	ND		5.0	2.5	ug/L			04/24/21 10:41	5
Dibromochloromethane	ND		5.0	2.5	ug/L			04/24/21 10:41	5
Chloroethane	ND		5.0	3.8	ug/L			04/24/21 10:41	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			04/24/21 10:41	5
Chloroform	ND		5.0	3.0	ug/L			04/24/21 10:41	5
1-Chlorohexane	ND		5.0	3.5	ug/L			04/24/21 10:41	5
Chloromethane	ND		5.0	4.2	ug/L			04/24/21 10:41	5
cis-1,2-Dichloroethene	ND		5.0	2.5	ug/L			04/24/21 10:41	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			04/24/21 10:41	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			04/24/21 10:41	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			04/24/21 10:41	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			04/24/21 10:41	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			04/24/21 10:41	5
1,1-Dichloroethane	ND	*+	5.0	2.5	ug/L			04/24/21 10:41	5
1,2-Dichloroethane	ND		5.0	2.5	ug/L			04/24/21 10:41	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			04/24/21 10:41	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			04/24/21 10:41	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			04/24/21 10:41	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			04/24/21 10:41	5
1,1-Dichloropropene	ND		5.0	2.5	ug/L			04/24/21 10:41	5
Ethylbenzene	ND		5.0	2.5	ug/L			04/24/21 10:41	5
Ethyl methacrylate	ND		5.0	2.5	ug/L			04/24/21 10:41	5
Hexachlorobutadiene	ND		5.0	3.0	ug/L			04/24/21 10:41	5
2-Hexanone	ND		25	4.5	ug/L			04/24/21 10:41	5
Isopropylbenzene	ND		130	16	ug/L			04/24/21 10:41	5
Methylene bromide	ND		5.0	2.7	ug/L			04/24/21 10:41	5
Methylene Chloride	ND		25	3.0	ug/L			04/24/21 10:41	5
4-Methyl-2-pentanone (MIBK)	ND		25	15	ug/L			04/24/21 10:41	5
Methyl tert-butyl ether	ND		130	9.0	ug/L			04/24/21 10:41	5
m-Xylene & p-Xylene	ND		5.0	3.7	ug/L			04/24/21 10:41	5
Naphthalene	ND		25	8.0	ug/L			04/24/21 10:41	5
n-Butylbenzene	ND		5.0	5.0	ug/L			04/24/21 10:41	5
N-Propylbenzene	ND		5.0	3.8	ug/L			04/24/21 10:41	5
o-Chlorotoluene	ND		5.0	3.5	ug/L			04/24/21 10:41	5
o-Xylene	ND		5.0	2.9	ug/L			04/24/21 10:41	5
p-Chlorotoluene	ND		25	3.0	ug/L			04/24/21 10:41	5
p-Isopropyltoluene	ND		5.0	2.8	ug/L			04/24/21 10:41	5
			5.0	3.6	ug/L			04/24/21 10:41	5

Client Sample ID: P93A-ROX-041221
Date Collected: 04/12/21 12:50
Date Received: 04/13/21 09:40

Lab Sample ID: 400-201937-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		5.0	3.5	ug/L			04/24/21 10:41	5
Styrene	ND		5.0	5.0	ug/L			04/24/21 10:41	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			04/24/21 10:41	5
1,1,1,2-Tetrachloroethane	ND		5.0	2.6	ug/L			04/24/21 10:41	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			04/24/21 10:41	5
Tetrachloroethene	ND		5.0	2.9	ug/L			04/24/21 10:41	5
Toluene	ND		5.0	2.1	ug/L			04/24/21 10:41	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			04/24/21 10:41	5
trans-1,3-Dichloropropene	ND		25	2.5	ug/L			04/24/21 10:41	5
1,2,3-Trichlorobenzene	ND		5.0	3.5	ug/L			04/24/21 10:41	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			04/24/21 10:41	5
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			04/24/21 10:41	5
1,1,2-Trichloroethane	ND		25	2.5	ug/L			04/24/21 10:41	5
Trichloroethene	ND		5.0	2.5	ug/L			04/24/21 10:41	5
Trichlorofluoromethane	ND		5.0	2.6	ug/L			04/24/21 10:41	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			04/24/21 10:41	5
1,2,4-Trimethylbenzene	ND		5.0	4.1	ug/L			04/24/21 10:41	5
1,3,5-Trimethylbenzene	ND		5.0	2.8	ug/L			04/24/21 10:41	5
Vinyl acetate	ND		130	10	ug/L			04/24/21 10:41	5
Vinyl chloride	ND		5.0	2.5	ug/L			04/24/21 10:41	5
Xylenes, Total	ND		50	8.0	ug/L			04/24/21 10:41	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*04/24/21 10:41*	*5*
Dibromofluoromethane	*98*		*81 - 121*		*04/24/21 10:41*	*5*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/24/21 10:41*	*5*

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		04/14/21 10:52	04/20/21 15:44	1
Acenaphthylene	ND		0.21	0.047	ug/L		04/14/21 10:52	04/20/21 15:44	1
Anthracene	ND		0.21	0.033	ug/L		04/14/21 10:52	04/20/21 15:44	1
Benzo[a]anthracene	ND		0.21	0.048	ug/L		04/14/21 10:52	04/20/21 15:44	1
Benzo[a]pyrene	ND		0.21	0.043	ug/L		04/14/21 10:52	04/20/21 15:44	1
Benzo[b]fluoranthene	ND		0.21	0.035	ug/L		04/14/21 10:52	04/20/21 15:44	1
Benzo[g,h,i]perylene	ND		0.21	0.13	ug/L		04/14/21 10:52	04/20/21 15:44	1
Benzo[k]fluoranthene	ND		0.21	0.10	ug/L		04/14/21 10:52	04/20/21 15:44	1
Chrysene	ND		0.21	0.077	ug/L		04/14/21 10:52	04/20/21 15:44	1
Dibenz(a,h)anthracene	ND		0.21	0.052	ug/L		04/14/21 10:52	04/20/21 15:44	1
Fluoranthene	ND		0.21	0.070	ug/L		04/14/21 10:52	04/20/21 15:44	1
Fluorene	ND		0.21	0.11	ug/L		04/14/21 10:52	04/20/21 15:44	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.044	ug/L		04/14/21 10:52	04/20/21 15:44	1
1-Methylnaphthalene	**0.19**	**J**	0.21	0.077	ug/L		04/14/21 10:52	04/20/21 15:44	1
2-Methylnaphthalene	**0.13**	**J**	0.21	0.062	ug/L		04/14/21 10:52	04/20/21 15:44	1
Phenanthrene	ND		0.21	0.037	ug/L		04/14/21 10:52	04/20/21 15:44	1
Pyrene	ND		0.21	0.041	ug/L		04/14/21 10:52	04/20/21 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*15 - 122*	*04/14/21 10:52*	*04/20/21 15:44*	*1*
Nitrobenzene-d5	*42*		*19 - 130*	*04/14/21 10:52*	*04/20/21 15:44*	*1*

Client Sample ID: P93A-ROX-041221
Date Collected: 04/12/21 12:50
Date Received: 04/13/21 09:40

Lab Sample ID: 400-201937-3
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	04/14/21 10:52	04/20/21 15:44	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		04/14/21 10:52	04/16/21 15:44	1
Benzenethiol	ND		10	1.8	ug/L		04/14/21 10:52	04/16/21 15:44	1
Benzoic acid	ND		31	7.6	ug/L		04/14/21 10:52	04/16/21 15:44	1
Benzyl alcohol	3.5	J	10	2.1	ug/L		04/14/21 10:52	04/16/21 15:44	1
Bis(2-chloroethoxy)methane	ND		10	0.17	ug/L		04/14/21 10:52	04/16/21 15:44	1
Bis(2-chloroethyl)ether	ND		10	2.8	ug/L		04/14/21 10:52	04/16/21 15:44	1
bis (2-chloroisopropyl) ether	ND		10	0.17	ug/L		04/14/21 10:52	04/16/21 15:44	1
Bis(2-ethylhexyl) phthalate	ND		10	5.2	ug/L		04/14/21 10:52	04/16/21 15:44	1
4-Bromophenyl phenyl ether	ND		10	0.21	ug/L		04/14/21 10:52	04/16/21 15:44	1
Butyl benzyl phthalate	ND		10	0.20	ug/L		04/14/21 10:52	04/16/21 15:44	1
4-Chloroaniline	ND		10	3.5	ug/L		04/14/21 10:52	04/16/21 15:44	1
4-Chloro-3-methylphenol	ND		10	3.9	ug/L		04/14/21 10:52	04/16/21 15:44	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/14/21 10:52	04/16/21 15:44	1
2-Chlorophenol	ND		10	2.3	ug/L		04/14/21 10:52	04/16/21 15:44	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		04/14/21 10:52	04/16/21 15:44	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/14/21 10:52	04/16/21 15:44	1
Dibenzofuran	ND		10	0.18	ug/L		04/14/21 10:52	04/16/21 15:44	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		04/14/21 10:52	04/16/21 15:44	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		04/14/21 10:52	04/16/21 15:44	1
Diethyl phthalate	ND		10	0.25	ug/L		04/14/21 10:52	04/16/21 15:44	1
2,4-Dimethylphenol	ND		10	3.6	ug/L		04/14/21 10:52	04/16/21 15:44	1
Dimethyl phthalate	ND		10	0.18	ug/L		04/14/21 10:52	04/16/21 15:44	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		04/14/21 10:52	04/16/21 15:44	1
4,6-Dinitro-ortho-cresol	ND		10	1.7	ug/L		04/14/21 10:52	04/16/21 15:44	1
2,4-Dinitrophenol	ND		31	3.5	ug/L		04/14/21 10:52	04/16/21 15:44	1
2,4-Dinitrotoluene	ND		10	2.0	ug/L		04/14/21 10:52	04/16/21 15:44	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		04/14/21 10:52	04/16/21 15:44	1
Di-n-octyl phthalate	ND	UJ	10	0.18	ug/L		04/14/21 10:52	04/16/21 15:44	1
1,4-Dioxane	ND		10	1.0	ug/L		04/14/21 10:52	04/16/21 15:44	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/14/21 10:52	04/16/21 15:44	1
Hexachlorobenzene	ND		10	0.18	ug/L		04/14/21 10:52	04/16/21 15:44	1
Hexachlorocyclopentadiene	ND		21	2.7	ug/L		04/14/21 10:52	04/16/21 15:44	1
Hexachloroethane	ND		10	4.3	ug/L		04/14/21 10:52	04/16/21 15:44	1
Indene	ND		10	1.0	ug/L		04/14/21 10:52	04/16/21 15:44	1
Isophorone	ND		10	0.14	ug/L		04/14/21 10:52	04/16/21 15:44	1
2-Methylphenol	ND		10	1.9	ug/L		04/14/21 10:52	04/16/21 15:44	1
3 & 4 Methylphenol	ND		21	0.40	ug/L		04/14/21 10:52	04/16/21 15:44	1
2-Nitroaniline	ND		10	2.3	ug/L		04/14/21 10:52	04/16/21 15:44	1
3-Nitroaniline	ND		10	1.9	ug/L		04/14/21 10:52	04/16/21 15:44	1
4-Nitroaniline	ND		10	1.6	ug/L		04/14/21 10:52	04/16/21 15:44	1
Nitrobenzene	ND		10	0.13	ug/L		04/14/21 10:52	04/16/21 15:44	1
2-Nitrophenol	ND		10	5.4	ug/L		04/14/21 10:52	04/16/21 15:44	1
4-Nitrophenol	ND		10	2.2	ug/L		04/14/21 10:52	04/16/21 15:44	1
N-Nitrosodimethylamine	ND		10	3.6	ug/L		04/14/21 10:52	04/16/21 15:44	1

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

Job ID: 400-201937-1

Client Sample ID: P93A-ROX-041221
Date Collected: 04/12/21 12:50
Date Received: 04/13/21 09:40

Lab Sample ID: 400-201937-3
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		04/14/21 10:52	04/16/21 15:44	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/14/21 10:52	04/16/21 15:44	1
Pentachlorophenol	ND		21	1.4	ug/L		04/14/21 10:52	04/16/21 15:44	1
Phenol	**2.9**	**J**	10	2.7	ug/L		04/14/21 10:52	04/16/21 15:44	1
Pyridine	ND		10	3.3	ug/L		04/14/21 10:52	04/16/21 15:44	1
Quinoline	ND		10	4.7	ug/L		04/14/21 10:52	04/16/21 15:44	1
2,4,5-Trichlorophenol	ND		10	3.8	ug/L		04/14/21 10:52	04/16/21 15:44	1
2,4,6-Trichlorophenol	ND		10	3.6	ug/L		04/14/21 10:52	04/16/21 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*46 - 124*	*04/14/21 10:52*	*04/16/21 15:44*	*1*
2-Fluorophenol	*34*		*13 - 113*	*04/14/21 10:52*	*04/16/21 15:44*	*1*
Nitrobenzene-d5	*75*		*36 - 126*	*04/14/21 10:52*	*04/16/21 15:44*	*1*
Phenol-d5	*67*		*17 - 127*	*04/14/21 10:52*	*04/16/21 15:44*	*1*
Terphenyl-d14	*93*		*44 - 149*	*04/14/21 10:52*	*04/16/21 15:44*	*1*
2,4,6-Tribromophenol	*81*		*26 - 150*	*04/14/21 10:52*	*04/16/21 15:44*	*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		04/19/21 09:14	04/19/21 20:56	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		04/19/21 09:14	04/19/21 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*135*	*p*	*51 - 149*	*04/19/21 09:14*	*04/19/21 20:56*	*1*

Definitions/Glossary

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

Job ID: 400-201937-1

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.
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: 400-201937-1

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)
400-201937-2	TB-ROX-041221-8260-SS	87	100	93
400-201937-3	P93A-ROX-041221	86	98	91
LCS 400-528984/1003	Lab Control Sample	88	102	94
MB 400-528984/5	Method Blank	88	101	92

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)
400-201937-3	P93A-ROX-041221	75	34	75	67	93	81
LCS 400-527531/2-A	Lab Control Sample	84	40	84	76	97	96
LCS 400-527531/3-A	Lab Control Sample	80	49	78	73	97	68
LCSD 400-527531/4-A	Lab Control Sample Dup	78	38	76	72	90	62
MB 400-527531/1-A	Method Blank	78	26	76	63	90	56

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)
400-201937-3	P93A-ROX-041221	77	42	85
LCS 400-527531/2-A	Lab Control Sample	93	94	105
MB 400-527531/1-A	Method Blank	84	89	105

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)
400-201937-1	TB-ROX-041221-8011-SS	86 p

Surrogate Summary

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

Job ID: 400-201937-1

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	**Client Sample ID**	**BFB2 (51-149)**
400-201937-3	P93A-ROX-041221	135 p
LCS 400-528083/2-A	Lab Control Sample	80
LCSD 400-528083/3-A	Lab Control Sample Dup	85
MB 400-528083/1-A	Method Blank	73

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

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

Job ID: 400-201937-1

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: 400-201937-1

Client Sample ID: TB-ROX-041221-8011-SS

Lab Sample ID: 400-201937-1
Date Collected: 04/12/21 00:00
Matrix: Water
Date Received: 04/13/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35.6 mL	35 mL	528083	04/19/21 09:14	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 20:36	DS	TAL PEN

Client Sample ID: TB-ROX-041221-8260-SS

Lab Sample ID: 400-201937-2
Date Collected: 04/12/21 00:00
Matrix: Water
Date Received: 04/13/21 09:40

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	528984	04/24/21 09:14	WPD	TAL PEN

Client Sample ID: P93A-ROX-041221

Lab Sample ID: 400-201937-3
Date Collected: 04/12/21 12:50
Matrix: Water
Date Received: 04/13/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	528984	04/24/21 10:41	WPD	TAL PEN
Total/NA	Prep	3520C			241.6 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527835	04/16/21 15:44	S1B	TAL PEN
Total/NA	Prep	3520C			241.6 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 15:44	PP1	TAL PEN
Total/NA	Prep	8011			35.6 mL	35 mL	528083	04/19/21 09:14	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 20:56	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-527531/1-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	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527703	04/15/21 18:41	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			527823	04/16/21 18:28	KJA	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528083/1-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	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 12:07	DS	TAL PEN

Client Sample ID: Method Blank — **Lab Sample ID: MB 400-528984/5**
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	528984	04/24/21 08:30	WPD	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-527531/2-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	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527835	04/16/21 10:44	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			527823	04/16/21 18:46	KJA	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-527531/3-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	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527703	04/15/21 19:24	S1B	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-528083/2-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	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 12:26	DS	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-528984/1003**
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	528984	04/24/21 07:38	WPD	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-527531/4-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	527531	04/14/21 10:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			527703	04/15/21 19:45	S1B	TAL PEN

Lab Chronicle

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

Job ID: 400-201937-1

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-528083/3-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	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 12:46	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: 528984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201937-2	TB-ROX-041221-8260-SS	Total/NA	Water	8260B	
400-201937-3	P93A-ROX-041221	Total/NA	Water	8260B	
MB 400-528984/5	Method Blank	Total/NA	Water	8260B	
LCS 400-528984/1003	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 527531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201937-3	P93A-ROX-041221	Total/NA	Water	3520C	
MB 400-527531/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-527531/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-527531/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-527531/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 527703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-527531/1-A	Method Blank	Total/NA	Water	8270D	527531
LCS 400-527531/3-A	Lab Control Sample	Total/NA	Water	8270D	527531
LCSD 400-527531/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	527531

Analysis Batch: 527823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-527531/1-A	Method Blank	Total/NA	Water	8270D LL	527531
LCS 400-527531/2-A	Lab Control Sample	Total/NA	Water	8270D LL	527531

Analysis Batch: 527835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201937-3	P93A-ROX-041221	Total/NA	Water	8270D	527531
LCS 400-527531/2-A	Lab Control Sample	Total/NA	Water	8270D	527531

Analysis Batch: 528357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201937-3	P93A-ROX-041221	Total/NA	Water	8270D LL	527531

GC Semi VOA

Prep Batch: 528083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201937-1	TB-ROX-041221-8011-SS	Total/NA	Water	8011	
400-201937-3	P93A-ROX-041221	Total/NA	Water	8011	
MB 400-528083/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-528083/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-528083/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 528112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201937-1	TB-ROX-041221-8011-SS	Total/NA	Water	8011	528083
400-201937-3	P93A-ROX-041221	Total/NA	Water	8011	528083
MB 400-528083/1-A	Method Blank	Total/NA	Water	8011	528083
LCS 400-528083/2-A	Lab Control Sample	Total/NA	Water	8011	528083
LCSD 400-528083/3-A	Lab Control Sample Dup	Total/NA	Water	8011	528083

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-528984/5
Matrix: Water
Analysis Batch: 528984

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			04/24/21 08:30	1
Acrolein	ND		20	10	ug/L			04/24/21 08:30	1
Acrylonitrile	ND		10	2.8	ug/L			04/24/21 08:30	1
Benzene	ND		1.0	0.38	ug/L			04/24/21 08:30	1
Bromobenzene	ND		1.0	0.54	ug/L			04/24/21 08:30	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/24/21 08:30	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/24/21 08:30	1
Bromoform	ND		5.0	0.71	ug/L			04/24/21 08:30	1
Bromomethane	ND		1.0	0.98	ug/L			04/24/21 08:30	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/24/21 08:30	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/24/21 08:30	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/24/21 08:30	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/24/21 08:30	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/24/21 08:30	1
Chloroethane	ND		1.0	0.76	ug/L			04/24/21 08:30	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/24/21 08:30	1
Chloroform	ND		1.0	0.60	ug/L			04/24/21 08:30	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/24/21 08:30	1
Chloromethane	ND		1.0	0.83	ug/L			04/24/21 08:30	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/24/21 08:30	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/24/21 08:30	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/24/21 08:30	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/24/21 08:30	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/24/21 08:30	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/24/21 08:30	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/24/21 08:30	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/24/21 08:30	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/24/21 08:30	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/24/21 08:30	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/24/21 08:30	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/24/21 08:30	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/24/21 08:30	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/24/21 08:30	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/24/21 08:30	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/24/21 08:30	1
2-Hexanone	ND		25	3.1	ug/L			04/24/21 08:30	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/24/21 08:30	1
Methylene bromide	ND		5.0	0.59	ug/L			04/24/21 08:30	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/24/21 08:30	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/24/21 08:30	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/24/21 08:30	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/24/21 08:30	1
Naphthalene	ND		1.0	1.0	ug/L			04/24/21 08:30	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/24/21 08:30	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/24/21 08:30	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/24/21 08:30	1
o-Xylene	ND		5.0	0.60	ug/L			04/24/21 08:30	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/24/21 08:30	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-528984/5
Matrix: Water
Analysis Batch: 528984

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			04/24/21 08:30	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/24/21 08:30	1
Styrene	ND		1.0	1.0	ug/L			04/24/21 08:30	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/24/21 08:30	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/24/21 08:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/24/21 08:30	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/24/21 08:30	1
Toluene	ND		1.0	0.41	ug/L			04/24/21 08:30	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/24/21 08:30	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/24/21 08:30	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/24/21 08:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/24/21 08:30	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/24/21 08:30	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/24/21 08:30	1
Trichloroethene	ND		1.0	0.50	ug/L			04/24/21 08:30	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/24/21 08:30	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/24/21 08:30	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/24/21 08:30	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/24/21 08:30	1
Vinyl acetate	ND		25	2.0	ug/L			04/24/21 08:30	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/24/21 08:30	1
Xylenes, Total	ND		10	1.6	ug/L			04/24/21 08:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/24/21 08:30*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*04/24/21 08:30*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/24/21 08:30*	*1*

Lab Sample ID: LCS 400-528984/1003
Matrix: Water
Analysis Batch: 528984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	229		ug/L		115	43 - 160
Acrolein	500	495		ug/L		99	38 - 160
Acrylonitrile	500	723	*+	ug/L		145	64 - 142
Benzene	50.0	50.4		ug/L		101	70 - 130
Bromobenzene	50.0	52.5		ug/L		105	70 - 132
Bromochloromethane	50.0	56.0		ug/L		112	70 - 130
Bromodichloromethane	50.0	47.4		ug/L		95	67 - 133
Bromoform	50.0	51.5		ug/L		103	57 - 140
Bromomethane	50.0	45.7		ug/L		91	10 - 160
2-Butanone (MEK)	200	215		ug/L		107	61 - 145
Carbon disulfide	50.0	45.3		ug/L		91	61 - 137
Carbon tetrachloride	50.0	54.0		ug/L		108	61 - 137
Chlorobenzene	50.0	51.4		ug/L		103	70 - 130
Dibromochloromethane	50.0	51.1		ug/L		102	67 - 135
Chloroethane	50.0	58.8		ug/L		118	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528984/1003
Matrix: Water
Analysis Batch: 528984

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	49.6		ug/L		99	10 - 160
Chloroform	50.0	50.4		ug/L		101	69 - 130
1-Chlorohexane	50.0	58.4		ug/L		117	69 - 130
Chloromethane	50.0	53.0		ug/L		106	58 - 137
cis-1,2-Dichloroethene	50.0	64.2		ug/L		128	68 - 130
cis-1,3-Dichloropropene	50.0	51.1		ug/L		102	69 - 132
1,2-Dichlorobenzene	50.0	51.6		ug/L		103	67 - 130
1,3-Dichlorobenzene	50.0	52.1		ug/L		104	70 - 130
1,4-Dichlorobenzene	50.0	53.6		ug/L		107	70 - 130
Dichlorodifluoromethane	50.0	54.1		ug/L		108	41 - 146
1,1-Dichloroethane	50.0	67.1	*+	ug/L		134	70 - 130
1,2-Dichloroethane	50.0	59.6		ug/L		119	69 - 130
1,1-Dichloroethene	50.0	48.8		ug/L		98	63 - 134
1,2-Dichloropropane	50.0	63.2		ug/L		126	70 - 130
1,3-Dichloropropane	50.0	49.4		ug/L		99	70 - 130
2,2-Dichloropropane	50.0	51.4		ug/L		103	52 - 135
1,1-Dichloropropene	50.0	51.2		ug/L		102	70 - 130
Ethylbenzene	50.0	46.8		ug/L		94	70 - 130
Ethyl methacrylate	50.0	48.0		ug/L		96	68 - 130
Hexachlorobutadiene	50.0	61.0		ug/L		122	53 - 140
2-Hexanone	200	242		ug/L		121	65 - 137
Isopropylbenzene	50.0	48.1		ug/L		96	70 - 130
Methylene bromide	50.0	49.3		ug/L		99	70 - 130
Methylene Chloride	50.0	47.0		ug/L		94	66 - 135
4-Methyl-2-pentanone (MIBK)	200	259		ug/L		129	69 - 138
Methyl tert-butyl ether	50.0	50.2		ug/L		100	66 - 130
m-Xylene & p-Xylene	50.0	46.7		ug/L		93	70 - 130
Naphthalene	50.0	62.1		ug/L		124	47 - 149
n-Butylbenzene	50.0	44.5		ug/L		89	67 - 130
N-Propylbenzene	50.0	48.9		ug/L		98	70 - 130
o-Chlorotoluene	50.0	43.4		ug/L		87	70 - 130
o-Xylene	50.0	45.7		ug/L		91	70 - 130
p-Chlorotoluene	50.0	45.0		ug/L		90	70 - 130
p-Isopropyltoluene	50.0	52.6		ug/L		105	65 - 130
sec-Butylbenzene	50.0	47.1		ug/L		94	66 - 130
Styrene	50.0	48.9		ug/L		98	70 - 130
tert-Butylbenzene	50.0	45.9		ug/L		92	64 - 139
1,1,1,2-Tetrachloroethane	50.0	54.0		ug/L		108	67 - 131
1,1,2,2-Tetrachloroethane	50.0	44.6		ug/L		89	70 - 131
Tetrachloroethene	50.0	51.1		ug/L		102	65 - 130
Toluene	50.0	46.6		ug/L		93	70 - 130
trans-1,2-Dichloroethene	50.0	50.5		ug/L		101	70 - 130
trans-1,3-Dichloropropene	50.0	48.8		ug/L		98	63 - 130
1,2,3-Trichlorobenzene	50.0	60.0		ug/L		120	60 - 138
1,2,4-Trichlorobenzene	50.0	60.0		ug/L		120	60 - 140
1,1,1-Trichloroethane	50.0	49.5		ug/L		99	68 - 130
1,1,2-Trichloroethane	50.0	47.6		ug/L		95	70 - 130
Trichloroethene	50.0	56.0		ug/L		112	70 - 130
Trichlorofluoromethane	50.0	52.1		ug/L		104	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528984/1003
Matrix: Water
Analysis Batch: 528984

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	47.0		ug/L		94	70 - 130
1,2,4-Trimethylbenzene	50.0	47.4		ug/L		95	70 - 130
1,3,5-Trimethylbenzene	50.0	48.3		ug/L		97	69 - 130
Vinyl acetate	100	92.8		ug/L		93	26 - 160
Vinyl chloride	50.0	63.8		ug/L		128	59 - 136
Xylenes, Total	100	92.3		ug/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*94*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-527531/1-A
Matrix: Water
Analysis Batch: 527703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		04/14/21 10:52	04/15/21 18:41	1
Benzenethiol	ND		10	1.7	ug/L		04/14/21 10:52	04/15/21 18:41	1
Benzoic acid	ND		30	7.3	ug/L		04/14/21 10:52	04/15/21 18:41	1
Benzyl alcohol	ND		10	2.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/14/21 10:52	04/15/21 18:41	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/14/21 10:52	04/15/21 18:41	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/14/21 10:52	04/15/21 18:41	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/14/21 10:52	04/15/21 18:41	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Chloroaniline	ND		10	3.4	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		04/14/21 10:52	04/15/21 18:41	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/14/21 10:52	04/15/21 18:41	1
2-Chlorophenol	ND		10	2.2	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Dibenzofuran	ND		10	0.17	ug/L		04/14/21 10:52	04/15/21 18:41	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Diethyl phthalate	ND		10	0.24	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		04/14/21 10:52	04/15/21 18:41	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/14/21 10:52	04/15/21 18:41	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/14/21 10:52	04/15/21 18:41	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/14/21 10:52	04/15/21 18:41	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/14/21 10:52	04/15/21 18:41	1
1,4-Dioxane	ND		10	1.0	ug/L		04/14/21 10:52	04/15/21 18:41	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-527531/1-A
Matrix: Water
Analysis Batch: 527703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/14/21 10:52	04/15/21 18:41	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/14/21 10:52	04/15/21 18:41	1
Hexachloroethane	ND		10	4.2	ug/L		04/14/21 10:52	04/15/21 18:41	1
Indene	ND		10	1.0	ug/L		04/14/21 10:52	04/15/21 18:41	1
Isophorone	ND		10	0.14	ug/L		04/14/21 10:52	04/15/21 18:41	1
2-Methylphenol	ND		10	1.8	ug/L		04/14/21 10:52	04/15/21 18:41	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/14/21 10:52	04/15/21 18:41	1
2-Nitroaniline	ND		10	2.2	ug/L		04/14/21 10:52	04/15/21 18:41	1
3-Nitroaniline	ND		10	1.8	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Nitroaniline	ND		10	1.5	ug/L		04/14/21 10:52	04/15/21 18:41	1
Nitrobenzene	ND		10	0.13	ug/L		04/14/21 10:52	04/15/21 18:41	1
2-Nitrophenol	ND		10	5.2	ug/L		04/14/21 10:52	04/15/21 18:41	1
4-Nitrophenol	ND		10	2.1	ug/L		04/14/21 10:52	04/15/21 18:41	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		04/14/21 10:52	04/15/21 18:41	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		04/14/21 10:52	04/15/21 18:41	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/14/21 10:52	04/15/21 18:41	1
Pentachlorophenol	ND		20	1.4	ug/L		04/14/21 10:52	04/15/21 18:41	1
Phenol	ND		10	2.6	ug/L		04/14/21 10:52	04/15/21 18:41	1
Pyridine	ND		10	3.2	ug/L		04/14/21 10:52	04/15/21 18:41	1
Quinoline	ND		10	4.5	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/14/21 10:52	04/15/21 18:41	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/14/21 10:52	04/15/21 18:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*46 - 124*	*04/14/21 10:52*	*04/15/21 18:41*	*1*
2-Fluorophenol	*26*		*13 - 113*	*04/14/21 10:52*	*04/15/21 18:41*	*1*
Nitrobenzene-d5	*76*		*36 - 126*	*04/14/21 10:52*	*04/15/21 18:41*	*1*
Phenol-d5	*63*		*17 - 127*	*04/14/21 10:52*	*04/15/21 18:41*	*1*
Terphenyl-d14	*90*		*44 - 149*	*04/14/21 10:52*	*04/15/21 18:41*	*1*
2,4,6-Tribromophenol	*56*		*26 - 150*	*04/14/21 10:52*	*04/15/21 18:41*	*1*

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	66.2		ug/L		55	21 - 120
Benzoic acid	502	274		ug/L		55	10 - 144
Benzyl alcohol	120	66.7		ug/L		56	28 - 120
Bis(2-chloroethoxy)methane	120	55.9		ug/L		47	47 - 120
Bis(2-chloroethyl)ether	120	54.0		ug/L		45	44 - 120
bis (2-chloroisopropyl) ether	120	59.3		ug/L		49	33 - 121
Bis(2-ethylhexyl) phthalate	120	70.6		ug/L		59	52 - 147
4-Bromophenyl phenyl ether	120	70.2		ug/L		59	54 - 122
Butyl benzyl phthalate	120	74.9		ug/L		62	54 - 133
4-Chloroaniline	120	53.1		ug/L		44	26 - 120
4-Chloro-3-methylphenol	120	73.5		ug/L		61	48 - 131

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	120	62.7		ug/L		52	52 - 121
2-Chlorophenol	120	52.9		ug/L		44	40 - 120
4-Chlorophenyl phenyl ether	120	69.8		ug/L		58	56 - 125
Dibenz[a,h]acridine	120	97.2		ug/L		81	31 - 150
Dibenzofuran	120	67.3		ug/L		56	56 - 122
3,3'-Dichlorobenzidine	160	165		ug/L		103	36 - 132
2,4-Dichlorophenol	120	62.3		ug/L		52	49 - 120
Diethyl phthalate	120	72.5		ug/L		60	50 - 137
2,4-Dimethylphenol	120	65.1		ug/L		54	48 - 120
Dimethyl phthalate	120	70.2		ug/L		58	57 - 124
Di-n-butyl phthalate	120	80.7		ug/L		67	58 - 126
4,6-Dinitro-ortho-cresol	240	150		ug/L		63	23 - 148
2,4-Dinitrophenol	240	184		ug/L		77	10 - 150
2,4-Dinitrotoluene	120	75.4		ug/L		63	54 - 142
2,6-Dinitrotoluene	120	72.1		ug/L		60	55 - 130
Di-n-octyl phthalate	120	67.6	*-	ug/L		56	57 - 138
1,4-Dioxane	120	43.7		ug/L		36	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	62.9		ug/L		52	45 - 124
Hexachlorobenzene	120	75.2		ug/L		63	52 - 129
Hexachlorocyclopentadiene	120	47.3		ug/L		39	10 - 134
Hexachloroethane	120	66.2		ug/L		55	20 - 120
Indene	120	99.5		ug/L		83	49 - 120
Isophorone	120	60.5		ug/L		50	48 - 120
2-Methylphenol	120	69.7		ug/L		58	46 - 124
3 & 4 Methylphenol	120	61.8		ug/L		52	45 - 120
2-Nitroaniline	120	66.8		ug/L		56	51 - 145
3-Nitroaniline	120	60.5		ug/L		50	37 - 127
4-Nitroaniline	120	55.0		ug/L		46	36 - 137
Nitrobenzene	120	57.2		ug/L		48	45 - 120
2-Nitrophenol	120	65.3		ug/L		54	40 - 124
4-Nitrophenol	240	139		ug/L		58	23 - 146
N-Nitrosodimethylamine	120	68.8		ug/L		57	29 - 137
N-Nitrosodi-n-propylamine	120	66.4		ug/L		55	45 - 120
N-Nitrosodiphenylamine	119	63.8		ug/L		54	54 - 120
Pentachlorophenol	240	126		ug/L		52	31 - 130
Phenol	120	52.3		ug/L		44	11 - 120
Pyridine	240	88.3		ug/L		37	16 - 120
Quinoline	120	105		ug/L		88	49 - 130
2,4,5-Trichlorophenol	120	69.8		ug/L		58	51 - 136
2,4,6-Trichlorophenol	120	65.2		ug/L		54	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*46 - 124*
2-Fluorophenol	*40*		*13 - 113*
Nitrobenzene-d5	*84*		*36 - 126*
Phenol-d5	*76*		*17 - 127*
Terphenyl-d14	*97*		*44 - 149*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	96		26 - 150

Lab Sample ID: LCS 400-527531/3-A
Matrix: Water
Analysis Batch: 527703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzenethiol			120	41.0		ug/L		34	10 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	80		46 - 124
2-Fluorophenol	49		13 - 113
Nitrobenzene-d5	78		36 - 126
Phenol-d5	73		17 - 127
Terphenyl-d14	97		44 - 149
2,4,6-Tribromophenol	68		26 - 150

Lab Sample ID: LCSD 400-527531/4-A
Matrix: Water
Analysis Batch: 527703

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527531

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol			120	38.3		ug/L		32	10 - 120	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	78		46 - 124
2-Fluorophenol	38		13 - 113
Nitrobenzene-d5	76		36 - 126
Phenol-d5	72		17 - 127
Terphenyl-d14	90		44 - 149
2,4,6-Tribromophenol	62		26 - 150

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-527531/1-A
Matrix: Water
Analysis Batch: 527823

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		04/14/21 10:52	04/16/21 18:28	1
Acenaphthylene	ND		0.20	0.045	ug/L		04/14/21 10:52	04/16/21 18:28	1
Anthracene	ND		0.20	0.032	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/14/21 10:52	04/16/21 18:28	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/14/21 10:52	04/16/21 18:28	1
Chrysene	ND		0.20	0.074	ug/L		04/14/21 10:52	04/16/21 18:28	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 400-527531/1-A
Matrix: Water
Analysis Batch: 527823

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		04/14/21 10:52	04/16/21 18:28	1
Fluoranthene	ND		0.20	0.068	ug/L		04/14/21 10:52	04/16/21 18:28	1
Fluorene	ND		0.20	0.11	ug/L		04/14/21 10:52	04/16/21 18:28	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/14/21 10:52	04/16/21 18:28	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		04/14/21 10:52	04/16/21 18:28	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		04/14/21 10:52	04/16/21 18:28	1
Phenanthrene	ND		0.20	0.036	ug/L		04/14/21 10:52	04/16/21 18:28	1
Pyrene	ND		0.20	0.040	ug/L		04/14/21 10:52	04/16/21 18:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*15 - 122*	*04/14/21 10:52*	*04/16/21 18:28*	*1*
Nitrobenzene-d5	*89*		*19 - 130*	*04/14/21 10:52*	*04/16/21 18:28*	*1*
Terphenyl-d14	*105*		*33 - 138*	*04/14/21 10:52*	*04/16/21 18:28*	*1*

Lab Sample ID: LCS 400-527531/2-A
Matrix: Water
Analysis Batch: 527823

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	69.1		ug/L		58	41 - 120
Acenaphthylene	120	65.6		ug/L		55	44 - 120
Anthracene	120	69.7		ug/L		58	49 - 120
Benzo[a]anthracene	120	74.7		ug/L		62	61 - 135
Benzo[a]pyrene	120	78.9		ug/L		66	52 - 120
Benzo[b]fluoranthene	120	82.3		ug/L		69	53 - 134
Benzo[g,h,i]perylene	120	87.3		ug/L		73	47 - 133
Benzo[k]fluoranthene	120	73.2		ug/L		61	57 - 134
Chrysene	120	74.2		ug/L		62	55 - 122
Dibenz(a,h)anthracene	120	89.8		ug/L		75	48 - 146
Fluoranthene	120	77.6		ug/L		65	54 - 128
Fluorene	120	73.8		ug/L		61	45 - 125
Indeno[1,2,3-cd]pyrene	120	91.6		ug/L		76	43 - 142
1-Methylnaphthalene	120	67.3		ug/L		56	41 - 120
2-Methylnaphthalene	120	69.9		ug/L		58	32 - 124
Phenanthrene	120	77.6		ug/L		65	48 - 120
Pyrene	120	71.3		ug/L		59	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*93*		*15 - 122*
Nitrobenzene-d5	*94*		*19 - 130*
Terphenyl-d14	*105*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-528083/1-A
Matrix: Water
Analysis Batch: 528112

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528083

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		04/19/21 09:01	04/19/21 12:07	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/19/21 09:01	04/19/21 12:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*73*		*51 - 149*	*04/19/21 09:01*	*04/19/21 12:07*	*1*

Lab Sample ID: LCS 400-528083/2-A
Matrix: Water
Analysis Batch: 528112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528083

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2-Dibromo-3-Chloropropane			0.101	0.0864		ug/L		86	60 - 140		
1,2-Dibromoethane			0.101	0.0884		ug/L		88	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*80*		*51 - 149*

Lab Sample ID: LCSD 400-528083/3-A
Matrix: Water
Analysis Batch: 528112

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528083

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.0709		ug/L		71	60 - 140	20	30
1,2-Dibromoethane			0.101	0.100		ug/L		99	60 - 140	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*85*		*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 (_____)

Please Check Appropriate Box:
☐ SGW FDG ☐ PIPELINE ☐ RETAIL
☐ CHEMICALS ☐ CONSULTANT ☐ LUBES
☐ TRANSPORTATION ☑ OTHER _ENV. SERVICES_____

Print Bill To Contact Name: Bob Mooshegian
PO #: 60648474 – 3.2.2F
PlaNet Site or Project ID: 25278
GSAP Project ID: USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES
DATE: 4/12/21
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 – 3.2.2F
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): MDAngelo 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

Split report

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60648474 – 3.2.2F

400-201937 COC

FIELD NOTES:
TEMPERATURE ON RECEIPT C°: 0.0°C, 1.1°C IR7
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	8011 EDB + DBCP	SVOC 8270	PAH 8270LL	Container PID Readings or Laboratory Notes
	TB-ROX-041221-8011-SS	4/12/21	0000	Water	2					2		X			
	TB-ROX-041221-8260-SS	↓	0000	↓	2					2	X				Split Sample/Report
	P93A-ROX-041221	↓	1250	↓	6			2		8	X	X	X	X	↓

MDAngelo 4/12/21

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
MD'Angelo	Fedex: 9509 0064 1504 / 9509 0064 1320 / 9509 0064 1467	4/12/12	1600
	ETAPEN	4/13/21	940

CUSTODY SEALS: 1450625, 1450624, 1450623, 1450622, 1450620, 1450621

Version: 2Apr21

4/27/2021

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-201937-1

Login Number: 201937
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, 1.1°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: 400-201937-1

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
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
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	P330-21-00056	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 – 2nd Quarter 2021 Data Review

Laboratory SDG: 400-201971-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 6/7/2021

Guidance: USEPA National Functional Guidelines for Organic Superfund Methods Data Review 2020

Sample Identification	Sample Identification
TB-ROX-041221-8011-A	TB-ROX-041221-8260-A
P114R-ROX-041221	MW13-ROX-041221
MW11-ROX-041221-EB	MW11-ROX-041221
MW12-ROX-041221	TB-ROX-041221-8011-B
TB-ROX-041221-8260-B	P74-ROX-041221
P57-ROX-041221	P57-ROX-041221-Dup

1.0 Data Package Completeness

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

Yes, however the COC incorrectly identified trip blank TB-ROX-041221-8260-A for analysis by Methods 8270 SVOCs, 8270_LL PAHs, and VOCs by 8011; TB-ROX-041221-8260-A was correctly analyzed for Method 8260 VOCs only. 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 and certain SVOCs were re-extracted outside extraction time criteria in several samples. Although not indicated in the laboratory case narrative, diethyl phthalate was detected in the equipment blank. Several VOC, SVOC, and PAH LCS/LCSD recoveries, or SVOC LCS/LCSD RPDs, for several analytes were outside evaluation criteria. Several SVOC surrogates were outside criteria in several investigative and quality control samples. Several VOC, SVOC, and PAH MS/MSD recoveries and/or MS/MSD RPDs were outside evaluation criteria in sample MW12-ROX-041221. The SVOC internal standard recovery for perylene-d_{12} was outside criteria in matrix spike MW12-ROX-041221 MS – RERA. The difference in phenol results for the field duplicate pair P57-ROX-041221/P57-ROX-041221-Dup was greater than two times (2X) the reporting level; therefore, results were qualified as estimated (J). Field duplicate pair P57-ROX-041221/P57-ROX-041221-Dup was diluted to bring VOCs and phenol 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, PAHs and certain SVOCs were re-extracted 7 days outside analysis extraction time criteria (7 days) in several samples and equipment blank MW11-ROX-041221-EB, due to initial failing LCS recoveries or for 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. Equipment blanks are quality control samples and do not require qualification. PAHs in certain samples were reported from Run #1 due to historical detections.

Sample ID	Parameter	Analyte	Qualification
P114R-ROX-041221 – RERA	PAHs	All non-detects	UJ
P114R-ROX-041221 – RERA	SVOCs	2-Chlorophenol	UJ
P114R-ROX-041221 – RERA	SVOCs	2,4-Dichlorophenol	UJ
P114R-ROX-041221 – RERA	SVOCs	2-Methylphenol	UJ
P114R-ROX-041221 – RERA	SVOCs	3&4 Methylphenol	UJ
P114R-ROX-041221 – RERA	SVOCs	2-Nitrophenol	UJ
P114R-ROX-041221 – RERA	SVOCs	2,4,5-Trichlorophenol	UJ
P114R-ROX-041221 – RERA	SVOCs	2,4,6-Trichlorophenol	UJ
MW13-ROX-041221 – RERA	SVOCs	2-Chlorophenol	UJ
MW13-ROX-041221 – RERA	SVOCs	2,4-Dichlorophenol	UJ
MW13-ROX-041221 – RERA	SVOCs	2-Methylphenol	UJ
MW13-ROX-041221 – RERA	SVOCs	3&4 Methylphenol	UJ
MW13-ROX-041221 – RERA	SVOCs	2-Nitrophenol	UJ
MW13-ROX-041221 – RERA	SVOCs	2,4,5-Trichlorophenol	UJ
MW13-ROX-041221 – RERA	SVOCs	2,4,6-Trichlorophenol	UJ
MW12-ROX-041221 – RERA	PAHs	All non-detects	UJ
MW12-ROX-041221 – RERA	SVOCs	2-Chlorophenol	UJ
MW12-ROX-041221 – RERA	SVOCs	2,4-Dichlorophenol	UJ
MW12-ROX-041221 – RERA	SVOCs	2-Methylphenol	UJ
MW12-ROX-041221 – RERA	SVOCs	3&4 Methylphenol	UJ
MW12-ROX-041221 – RERA	SVOCs	2-Nitrophenol	UJ
MW12-ROX-041221 – RERA	SVOCs	2,4,5-Trichlorophenol	UJ
MW12-ROX-041221 – RERA	SVOCs	2,4,6-Trichlorophenol	UJ
P74-ROX-041221 – RERA	SVOCs	2-Chlorophenol	UJ
P74-ROX-041221 – RERA	SVOCs	2,4-Dichlorophenol	UJ
P74-ROX-041221 – RERA	SVOCs	2-Methylphenol	UJ
P74-ROX-041221 – RERA	SVOCs	3&4 Methylphenol	UJ
P74-ROX-041221 – RERA	SVOCs	2-Nitrophenol	UJ
P74-ROX-041221 – RERA	SVOCs	2,4,5-Trichlorophenol	UJ
P74-ROX-041221 – RERA	SVOCs	2,4,6-Trichlorophenol	UJ
P57-ROX-041221 – RERA	SVOCs	2-Chlorophenol	UJ
P57-ROX-041221 – RERA	SVOCs	2,4-Dichlorophenol	UJ
P57-ROX-041221 – RERA	SVOCs	2-Methylphenol	UJ
P57-ROX-041221 – RERA	SVOCs	3&4 Methylphenol	UJ
P57-ROX-041221 – RERA	SVOCs	2-Nitrophenol	UJ
P57-ROX-041221 – RERA	SVOCs	2,4,5-Trichlorophenol	UJ

Sample ID	Parameter	Analyte	Qualification
P57-ROX-041221 – RERA	SVOCs	2,4,6-Trichlorophenol	**UJ**
P57-ROX-041221-Dup – RERA	SVOCs	bis(2-Ethylhexyl)phthalate	**UJ**
P57-ROX-041221-Dup – RERA	SVOCs	2-Chlorophenol	**UJ**
P57-ROX-041221-Dup – RERA	SVOCs	2,4-Dichlorophenol	**UJ**
P57-ROX-041221-Dup – RERA	SVOCs	2-Methylphenol	**UJ**
P57-ROX-041221-Dup – RERA	SVOCs	3&4 Methylphenol	**UJ**
P57-ROX-041221-Dup – RERA	SVOCs	2-Nitrophenol	**UJ**
P57-ROX-041221-Dup – RERA	SVOCs	2,4,5-Trichlorophenol	**UJ**
P57-ROX-041221-Dup – RERA	SVOCs	2,4,6-Trichlorophenol	**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
MW11-ROX-041221-EB	SVOCs	Diethyl phthalate	0.45 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 400-528806/1002	VOCs	Vinyl chloride	**151**	NA	59-136
LCS 400-529066/1003	VOCs	Acrylonitrile	**143**	NA	64-142
LCS 400-529066/1003	VOCs	cis-1,2-Dichloroethene	**131**	NA	68-130
LCS 400-529066/1003	VOCs	1,1-Dichloroethane	**137**	NA	70-130
LCS/LCSD 400-527852/2-A/3-A	SVOCs	Benzoic acid	40/20	**67**	10-144/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2-Chlorophenol	**22/24**	9	40-120/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2,4-Dichlorophenol	**36/42**	16	49-120/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2-Methylphenol	**44**/49	11	46-124/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	3&4 Methylphenol	**40**/46	13	45-120/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2-Nitrophenol	**32/33**	5	40-124/30

LCS/LCSD ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/ RPD Criteria
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2,4,5-Trichlorophenol	**49**/51	5	51-136/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2,4,6-Trichlorophenol	**46/46**	1	50-127/30
LCS/LCSD 400-527852/4-A/5-A	SVOCs	Benzenethiol	**2**/70	**188**	10-120/30
LCS/LCSD 400-527852/2-A/3-A	PAHs	Benzo[a]anthracene	**52/56**	7	61-135/49
LCS/LCSD 400-527852/2-A/3-A	PAHs	Benzo[b]fluoranthene	**51**/56	8	53-134/54
LCS/LCSD 400-527852/2-A/3-A	PAHs	Benzo[k]fluoranthene	**50/55**	9	57-134/52
LCS/LCSD 400-527852/2-A/3-A	PAHs	Chrysene	**49/52**	7	55-122/50

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. SVOCs in sample MW16-ROX-040821 were qualified in Section 3.0 of this data review due to holding time criteria; no additional qualification was required.

Sample ID	Parameter	Analyte	Qualification
P114R-ROX-041221	SVOCs	Benzenethiol	**UJ**
MW13-ROX-041221	PAHs	Benzo[a]anthracene	**UJ**
MW13-ROX-041221	PAHs	Benzo[b]fluoranthene	**UJ**
MW13-ROX-041221	PAHs	Benzo[k]fluoranthene	**UJ**
MW13-ROX-041221	PAHs	Chrysene	**UJ**
MW13-ROX-041221	SVOCs	Benzenethiol	**UJ**
MW11-ROX-041221	PAHs	Benzo[a]anthracene	**UJ**
MW11-ROX-041221	PAHs	Benzo[b]fluoranthene	**UJ**
MW11-ROX-041221	PAHs	Benzo[k]fluoranthene	**UJ**
MW11-ROX-041221	PAHs	Chrysene	**UJ**
MW11-ROX-041221	SVOCs	Benzenethiol	**UJ**
MW11-ROX-041221	SVOCs	2-Chlorophenol	**UJ**
MW11-ROX-041221	SVOCs	2,4-Dichlorophenol	**UJ**
MW11-ROX-041221	SVOCs	2-Methylphenol	**UJ**
MW11-ROX-041221	SVOCs	3&4 Methylphenol	**UJ**
MW11-ROX-041221	SVOCs	2-Nitrophenol	**UJ**
MW11-ROX-041221	SVOCs	2,4,5-Trichlorophenol	**UJ**
MW11-ROX-041221	SVOCs	2,4,6-Trichlorophenol	**UJ**
MW12-ROX-041221	SVOCs	Benzenethiol	**UJ**
P74-ROX-041221	PAHs	Benzo[a]anthracene	**UJ**
P74-ROX-041221	PAHs	Benzo[b]fluoranthene	**UJ**
P74-ROX-041221	PAHs	Benzo[k]fluoranthene	**UJ**
P74-ROX-041221	PAHs	Chrysene	**UJ**

Sample ID	Parameter	Analyte	Qualification
P74-ROX-041221	SVOCs	Benzenethiol	**UJ**
P57-ROX-041221	PAHs	Benzo[a]anthracene	**UJ**
P57-ROX-041221	PAHs	Benzo[b]fluoranthene	**UJ**
P57-ROX-041221	PAHs	Benzo[k]fluoranthene	**UJ**
P57-ROX-041221	PAHs	Chrysene	**UJ**
P57-ROX-041221	SVOCs	Benzenethiol	**UJ**
P57-ROX-041221-Dup	PAHs	Benzo[a]anthracene	**UJ**
P57-ROX-041221-Dup	PAHs	Benzo[b]fluoranthene	**UJ**
P57-ROX-041221-Dup	PAHs	Benzo[k]fluoranthene	**UJ**
P57-ROX-041221-Dup	PAHs	Chrysene	**UJ**
P57-ROX-041221-Dup	SVOCs	Benzenethiol	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
P114R-ROX-041221	SVOCs	2-Fluorophenol	**4**	13-113
P57-ROX-041221-Dup	SVOCs	2-Fluorophenol	**0**	13-113
P57-ROX-041221-Dup	SVOCs	Phenol-d_5	**2**	17-127
P57-ROX-041221-Dup	SVOCs	2,4,6-Tribromophenol	**9**	26-150
LCS 400-527852/4-A	SVOCs	2,4,6-Tribromophenol	**24**	26-150

Analytical data that required qualification based on surrogate data are included in the table below. Qualifications due to surrogate recoveries were not required if only one of three acid SVOC surrogate recoveries were outside evaluation criteria in sample P114R-ROX-041221. Several SVOCs in sample P57-ROX-041221-Dup were reported from Run #2 and were qualified in Section 3.0 of this data review due to holding time criteria. Laboratory control samples are quality control samples and do not require qualification.

Sample ID	Parameter	Analyte	Qualification
P57-ROX-041221-Dup	SVOCs	Benzoic acid	**UJ**
P57-ROX-041221-Dup	SVOCs	Benzyl alcohol	**UJ**
P57-ROX-041221-Dup	SVOCs	4-Chloro-3-methylphenol	**UJ**
P57-ROX-041221-Dup	SVOCs	2,4-Dimethylphenol	**UJ**
P57-ROX-041221-Dup	SVOCs	2,4-Dinitrophenol	**UJ**
P57-ROX-041221-Dup	SVOCs	4-Nitrophenol	**UJ**
P57-ROX-041221-Dup	SVOCs	Pentachlorophenol	**UJ**
P57-ROX-041221-Dup	SVOCs	Phenol	**UJ**

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

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

Yes, sample MW12-ROX-041221 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
MW12-ROX-041221	VOCs	2-Chloroethyl vinyl ether	**6/0**	**NC**	10-150/50
MW12-ROX-041221	SVOCs	bis(2-Chloroethyl)ether	**32/34**	7	42-120/42
MW12-ROX-041221	SVOCs	2-Chloronaphthalene	**38**/41	6	39-120/29
MW12-ROX-041221	SVOCs	4-Chlorophenyl phenyl ether	**43**/45	4	44-120/27
MW12-ROX-041221	SVOCs	Di-n-butyl phthalate	**48**/49	3	49-120/32
MW12-ROX-041221	SVOCs	2,4-Dinitrotoluene	**47/48**	4	53-120/28
MW12-ROX-041221	SVOCs	1,4-Dioxane	**24/29**	16	50-150/40
MW12-ROX-041221	SVOCs	1,2-Diphenylhydrazine (as Azobenzene)	**39/41**	5	50-150/40
MW12-ROX-041221	SVOCs	Isophorone	**38/40**	3	42-120/33
MW12-ROX-041221	SVOCs	2-Nitroaniline	**17/20**	12	45-120/33
MW12-ROX-041221	PAHs	Benzo[a]anthracene	**54**/56	4	55-133/57
MW12-ROX-041221	PAHs	Chrysene	**51**/52	1	52-116/59
MW12-ROX-041221	PAHs	Dibenz(a,h)anthracene	**50/50**	1	52-143/60

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. PAHs in sample MW12-ROX-041221 were reported from Run #2; PAHs in sample MW12-ROX-041221 were qualified in Section 3.0 of this data review due to holding time criteria; no additional qualification was required.

Sample ID	Parameter	Analyte	Qualification
MW12-ROX-041221	VOCs	2-Chloroethyl vinyl ether	**UJ**
MW12-ROX-041221	SVOCs	bis(2-Chloroethyl)ether	**UJ**
MW12-ROX-041221	SVOCs	2-Chloronaphthalene	**UJ**
MW12-ROX-041221	SVOCs	4-Chlorophenyl phenyl ether	**UJ**
MW12-ROX-041221	SVOCs	Di-n-butyl phthalate	**UJ**
MW12-ROX-041221	SVOCs	2,4-Dinitrotoluene	**UJ**
MW12-ROX-041221	SVOCs	1,4-Dioxane	**UJ**
MW12-ROX-041221	SVOCs	1,2-Diphenylhydrazine (as Azobenzene)	**UJ**

Sample ID	Parameter	Analyte	Qualification
MW12-ROX-041221	SVOCs	Isophorone	**UJ**
MW12-ROX-041221	SVOCs	2-Nitroaniline	**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
MW12-ROX-041221 MS – RERA	SVOCs	Perylene-d_{12}	**945294**	465865	232933-931730

Matrix spikes are quality control samples and do not require qualification; no qualification 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
P57-ROX-041221	P57-ROX-041221-Dup

Were field duplicates within evaluation criteria?

No

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
P57-ROX-041221	P57-ROX-041221-Dup	SVOCs	Phenol	**> 2X RL**	**J/UJ**

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: 400-201971-1
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:
4/29/2021 1:25:57 PM

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

Reviewed 6/7/2021 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: 400-201971-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-201971-1

Comments
No additional comments.

Receipt
The samples were received on 4/13/2021 10:09 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.0° C, 0.0° C and 1.1° C.

Receipt Exceptions
TB-ROX-041221-8260-A (400-201971-2) only run for volatiles.

GC/MS VOA
Method 8260B: The initial calibration verification (ICV) analyzed in batch 400-504636 was outside method criteria for the following analyte(s): Dichlorodifluoromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260B: The laboratory control sample (LCS) for analytical batch 400-528806 recovered outside control limits for the following analyte: Vinyl chloride. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The continuing calibration verification (CCV) associated with batch 400-528806 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, 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-041221-8260-A (400-201971-2), P114R-ROX-041221 (400-201971-3), MW13-ROX-041221 (400-201971-4), MW11-ROX-041221-EB (400-201971-5), MW11-ROX-041221 (400-201971-6), MW12-ROX-041221 (400-201971-7), TB-ROX-041221-8260-B (400-201971-9), P74-ROX-041221 (400-201971-10), P57-ROX-041221 (400-201971-11) and P57-ROX-041221-DUP (400-201971-12). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

Method 8260B: The continuing calibration verification (CCV) associated with batch 400-529066 recovered above the upper control limit for 1,2-Dichloropropane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: P57-ROX-041221 (400-201971-11) and P57-ROX-041221-DUP (400-201971-12). Elevated reporting limits (RLs) are provided.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-529066 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 400-529066 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 400-529066 recovered outside control limits for the following analytes: 1,1-Dichloroethane, Acrylonitrile and cis-1,2-Dichloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; 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.

GC/MS Semi VOA
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: P114R-ROX-041221 (400-201971-3) and (LCS 400-527852/4-A). These results have been reported and qualified.

Job ID: 400-201971-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

Method 8270D: Surrogate recovery for the following sample was outside control limits: P57-ROX-041221-DUP (400-201971-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270D: The laboratory control sample (LCS) for preparation batch 400-529209 and analytical batch 400-529498 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 400-529209 and analytical batch 400-529498 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-529209 and analytical batch 400-529498 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 continuing calibration verification (CCV) associated with batch 400-529498 recovered outside acceptance criteria, low biased, for Hexachlorocyclopentadiene and Aniline. 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: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-527852 and analytical batch 400-528632 recovered outside control limits for the following analytes: Benzoic acid.

Method 8270D: The laboratory control sample (LCS) for preparation batch 400-527852 and 400-527852 and analytical batch 400-528632 recovered outside control limits for the following analytes: 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2-Methylphenol, 2-Chlorophenol, 3 & 4 Methylphenol and 2-Nitrophenol. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-527852 and analytical batch 400-528281 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-527852 and analytical batch 400-528281 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-527852 and analytical batch 400-528281 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

Method 8270D: The laboratory control sample (LCS) for preparation batch 400-527852 and analytical batch 400-528281 recovered outside acceptance limits for 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2-Methylphenol, 2,4-Dichlorophenol, 2-Chlorophenol, 2-Nitrophenol and 3 & 4 Methylphenol. There was insufficient sample to perform a re-extraction or re-analysis; therefore, the data have been reported.

Method 8270D LL: The laboratory control sample (LCS) for preparation batch 400-529209 and analytical batch 400-529447 recovered outside control limits for the following analytes: Benzo[a]anthracene, Benzo[b]fluoranthene, Benzo[k]fluoranthene and Chrysene. 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 laboratory control sample (LCS) for preparation batch 400-527852 and analytical batch 400-528357 recovered outside acceptance limits for Benzo[a]anthracene, Benzo[b]fluoranthene, Benzo[k]fluoranthene and Chrysene. There was insufficient sample to perform a re-extraction or re-analysis; 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.

GC Semi VOA

Method 8011: The continuing calibration verification (CCV) associated with batch 400-528112 recovered above the upper control limit for

Job ID: 400-201971-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

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: 400-201971-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-201971-1	TB-ROX-041221-8011-A	Water	04/12/21 00:00	04/13/21 10:09	
400-201971-2	TB-ROX-041221-8260-A	Water	04/12/21 00:00	04/13/21 10:09	
400-201971-3	P114R-ROX-041221	Water	04/12/21 09:25	04/13/21 10:09	
400-201971-4	MW13-ROX-041221	Water	04/12/21 10:25	04/13/21 10:09	
400-201971-5	MW11-ROX-041221-EB	Water	04/12/21 11:40	04/13/21 10:09	
400-201971-6	MW11-ROX-041221	Water	04/12/21 12:10	04/13/21 10:09	
400-201971-7	MW12-ROX-041221	Water	04/12/21 13:00	04/13/21 10:09	
400-201971-8	TB-ROX-041221-8011-B	Water	04/12/21 00:00	04/13/21 10:09	
400-201971-9	TB-ROX-041221-8260-B	Water	04/12/21 00:00	04/13/21 10:09	
400-201971-10	P74-ROX-041221	Water	04/12/21 10:35	04/13/21 10:09	
400-201971-11	P57-ROX-041221	Water	04/12/21 11:40	04/13/21 10:09	
400-201971-12	P57-ROX-041221-DUP	Water	04/12/21 11:40	04/13/21 10:09	

Detection Summary

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

Job ID: 400-201971-1

Client Sample ID: TB-ROX-041221-8011-A — Lab Sample ID: 400-201971-1

No Detections.

Client Sample ID: TB-ROX-041221-8260-A — Lab Sample ID: 400-201971-2

No Detections.

Client Sample ID: P114R-ROX-041221 — Lab Sample ID: 400-201971-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	0.30	J	9.6	0.23	ug/L	1		8270D	Total/NA

Client Sample ID: MW13-ROX-041221 — Lab Sample ID: 400-201971-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	1.5		1.0	0.74	ug/L	1		8260B	Total/NA
Acenaphthylene	0.46		0.19	0.043	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.12	J	0.19	0.058	ug/L	1		8270D LL	Total/NA
Diethyl phthalate	0.56	J	9.6	0.23	ug/L	1		8270D	Total/NA

Client Sample ID: MW11-ROX-041221-EB — Lab Sample ID: 400-201971-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	0.45	J	9.6	0.23	ug/L	1		8270D	Total/NA

Client Sample ID: MW11-ROX-041221 — Lab Sample ID: 400-201971-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	5.8	J	9.6	4.8	ug/L	1		8270D	Total/NA

Client Sample ID: MW12-ROX-041221 — Lab Sample ID: 400-201971-7

No Detections.

Client Sample ID: TB-ROX-041221-8011-B — Lab Sample ID: 400-201971-8

No Detections.

Client Sample ID: TB-ROX-041221-8260-B — Lab Sample ID: 400-201971-9

No Detections.

Client Sample ID: P74-ROX-041221 — Lab Sample ID: 400-201971-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.040	J	0.20	0.037	ug/L	1		8270D LL	Total/NA
Pyrene	0.049	J	0.20	0.041	ug/L	1		8270D LL	Total/NA
Diethyl phthalate	0.52	J	10	0.25	ug/L	1		8270D	Total/NA

Client Sample ID: P57-ROX-041221 — Lab Sample ID: 400-201971-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	790		5.0	1.9	ug/L	5		8260B	Total/NA
Carbon disulfide	3.2	J	5.0	2.5	ug/L	5		8260B	Total/NA
Ethylbenzene	2.5	J	5.0	2.5	ug/L	5		8260B	Total/NA
Isopropylbenzene	22		5.0	2.7	ug/L	5		8260B	Total/NA
Naphthalene	46		5.0	5.0	ug/L	5		8260B	Total/NA
N-Propylbenzene	25		5.0	3.5	ug/L	5		8260B	Total/NA
sec-Butylbenzene	4.9	J	5.0	3.5	ug/L	5		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P57-ROX-041221 (Continued)

Lab Sample ID: 400-201971-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
tert-Butylbenzene	5.1		5.0	3.2	ug/L	5		8260B	Total/NA
Toluene	5.0		5.0	2.1	ug/L	5		8260B	Total/NA
Acenaphthene	0.24		0.21	0.034	ug/L	1		8270D LL	Total/NA
Fluorene	0.54		0.21	0.12	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	15		0.21	0.079	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	1.6	H	0.21	0.079	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	17		0.21	0.064	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.22	H	0.21	0.064	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.29		0.21	0.038	ug/L	1		8270D LL	Total/NA
Pyrene	0.045	J	0.21	0.042	ug/L	1		8270D LL	Total/NA
Dibenzofuran	0.19	J	11	0.18	ug/L	1		8270D	Total/NA
Phenol	38		11	2.8	ug/L	1		8270D	Total/NA

Client Sample ID: P57-ROX-041221-DUP

Lab Sample ID: 400-201971-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	810		5.0	1.9	ug/L	5		8260B	Total/NA
Carbon disulfide	4.7	J	5.0	2.5	ug/L	5		8260B	Total/NA
Ethylbenzene	2.9	J	5.0	2.5	ug/L	5		8260B	Total/NA
Isopropylbenzene	23		5.0	2.7	ug/L	5		8260B	Total/NA
Naphthalene	49		5.0	5.0	ug/L	5		8260B	Total/NA
N-Propylbenzene	27		5.0	3.5	ug/L	5		8260B	Total/NA
sec-Butylbenzene	5.2		5.0	3.5	ug/L	5		8260B	Total/NA
tert-Butylbenzene	5.0		5.0	3.2	ug/L	5		8260B	Total/NA
Toluene	5.6		5.0	2.1	ug/L	5		8260B	Total/NA
Acenaphthene	0.20		0.20	0.033	ug/L	1		8270D LL	Total/NA
Fluorene	0.38		0.20	0.11	ug/L	1		8270D LL	Total/NA
Fluorene	0.33	H	0.20	0.11	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	14		0.20	0.075	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	3.5	H	0.20	0.076	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	16		0.20	0.061	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	1.3	H	0.20	0.061	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.23		0.20	0.037	ug/L	1		8270D LL	Total/NA
Pyrene	0.042	J	0.20	0.041	ug/L	1		8270D LL	Total/NA
Bis(2-ethylhexyl) phthalate	12		10	5.1	ug/L	1		8270D	Total/NA
Dibenzofuran	0.17	J	10	0.17	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: 400-201971-1

Client Sample ID: TB-ROX-041221-8011-A
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-1
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		0.029	0.0054	ug/L		04/19/21 09:01	04/19/21 19:37	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		04/19/21 09:01	04/19/21 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*81*	*p*	*51 - 149*	*04/19/21 09:01*	*04/19/21 19:37*	*1*

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

Job ID: 400-201971-1

Client Sample ID: TB-ROX-041221-8260-A
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-2
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			04/23/21 17:59	1
Acrolein	ND		20	10	ug/L			04/23/21 17:59	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/21 17:59	1
Benzene	ND		1.0	0.38	ug/L			04/23/21 17:59	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/21 17:59	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/21 17:59	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/21 17:59	1
Bromoform	ND		5.0	0.71	ug/L			04/23/21 17:59	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/21 17:59	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/21 17:59	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/21 17:59	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/23/21 17:59	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/23/21 17:59	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/23/21 17:59	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/21 17:59	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/21 17:59	1
Chloroform	ND		1.0	0.60	ug/L			04/23/21 17:59	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/23/21 17:59	1
Chloromethane	ND		1.0	0.83	ug/L			04/23/21 17:59	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 17:59	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 17:59	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/21 17:59	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/21 17:59	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/21 17:59	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/21 17:59	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 17:59	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 17:59	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 17:59	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 17:59	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 17:59	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 17:59	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/23/21 17:59	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/21 17:59	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/21 17:59	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/21 17:59	1
2-Hexanone	ND		25	3.1	ug/L			04/23/21 17:59	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/21 17:59	1
Methylene bromide	ND		5.0	0.59	ug/L			04/23/21 17:59	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/21 17:59	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/21 17:59	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/23/21 17:59	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/23/21 17:59	1
Naphthalene	ND		1.0	1.0	ug/L			04/23/21 17:59	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/21 17:59	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/21 17:59	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/21 17:59	1
o-Xylene	ND		5.0	0.60	ug/L			04/23/21 17:59	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/21 17:59	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/23/21 17:59	1

Client Sample ID: TB-ROX-041221-8260-A
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-2
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			04/23/21 17:59	1
Styrene	ND		1.0	1.0	ug/L			04/23/21 17:59	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/21 17:59	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/23/21 17:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/21 17:59	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/23/21 17:59	1
Toluene	ND		1.0	0.41	ug/L			04/23/21 17:59	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 17:59	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 17:59	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/23/21 17:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/21 17:59	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/23/21 17:59	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/23/21 17:59	1
Trichloroethene	ND		1.0	0.50	ug/L			04/23/21 17:59	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/23/21 17:59	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/21 17:59	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/21 17:59	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/21 17:59	1
Vinyl acetate	ND		25	2.0	ug/L			04/23/21 17:59	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/23/21 17:59	1
Xylenes, Total	ND		10	1.6	ug/L			04/23/21 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*04/23/21 17:59*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*04/23/21 17:59*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/23/21 17:59*	*1*

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

Job ID: 400-201971-1

Client Sample ID: P114R-ROX-041221
Date Collected: 04/12/21 09:25
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-3
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			04/23/21 18:49	1
Acrolein	ND		20	10	ug/L			04/23/21 18:49	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/21 18:49	1
Benzene	ND		1.0	0.38	ug/L			04/23/21 18:49	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/21 18:49	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/21 18:49	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/21 18:49	1
Bromoform	ND		5.0	0.71	ug/L			04/23/21 18:49	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/21 18:49	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/21 18:49	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/21 18:49	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/23/21 18:49	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/23/21 18:49	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/23/21 18:49	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/21 18:49	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/21 18:49	1
Chloroform	ND		1.0	0.60	ug/L			04/23/21 18:49	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/23/21 18:49	1
Chloromethane	ND		1.0	0.83	ug/L			04/23/21 18:49	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 18:49	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 18:49	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/21 18:49	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/21 18:49	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/21 18:49	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/21 18:49	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 18:49	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 18:49	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 18:49	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 18:49	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 18:49	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 18:49	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/23/21 18:49	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/21 18:49	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/21 18:49	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/21 18:49	1
2-Hexanone	ND		25	3.1	ug/L			04/23/21 18:49	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/21 18:49	1
Methylene bromide	ND		5.0	0.59	ug/L			04/23/21 18:49	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/21 18:49	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/21 18:49	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/23/21 18:49	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/23/21 18:49	1
Naphthalene	ND		1.0	1.0	ug/L			04/23/21 18:49	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/21 18:49	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/21 18:49	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/21 18:49	1
o-Xylene	ND		5.0	0.60	ug/L			04/23/21 18:49	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/21 18:49	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/23/21 18:49	1

Client Sample ID: P114R-ROX-041221
Date Collected: 04/12/21 09:25
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-3
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			04/23/21 18:49	1
Styrene	ND		1.0	1.0	ug/L			04/23/21 18:49	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/21 18:49	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/23/21 18:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/21 18:49	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/23/21 18:49	1
Toluene	ND		1.0	0.41	ug/L			04/23/21 18:49	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 18:49	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 18:49	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/23/21 18:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/21 18:49	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/23/21 18:49	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/23/21 18:49	1
Trichloroethene	ND		1.0	0.50	ug/L			04/23/21 18:49	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/23/21 18:49	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/21 18:49	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/21 18:49	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/21 18:49	1
Vinyl acetate	ND		25	2.0	ug/L			04/23/21 18:49	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/23/21 18:49	1
Xylenes, Total	ND		10	1.6	ug/L			04/23/21 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*04/23/21 18:49*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*04/23/21 18:49*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/23/21 18:49*	*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		0.19	0.031	ug/L		04/16/21 09:34	04/20/21 18:04	1
Acenaphthene	ND	H UJ	0.19	0.030	ug/L		04/26/21 13:34	04/28/21 16:46	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/16/21 09:34	04/20/21 18:04	1
Acenaphthylene	ND	H UJ	0.19	0.042	ug/L		04/26/21 13:34	04/28/21 16:46	1
Anthracene	ND		0.19	0.031	ug/L		04/16/21 09:34	04/20/21 18:04	1
Anthracene	ND	H UJ	0.19	0.030	ug/L		04/26/21 13:34	04/28/21 16:46	1
Benzo[a]anthracene	ND	*-	0.19	0.044	ug/L		04/16/21 09:34	04/20/21 18:04	1
Benzo[a]anthracene	ND	H UJ	0.19	0.043	ug/L		04/26/21 13:34	04/28/21 16:46	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/16/21 09:34	04/20/21 18:04	1
Benzo[a]pyrene	ND	H UJ	0.19	0.040	ug/L		04/26/21 13:34	04/28/21 16:46	1
Benzo[b]fluoranthene	ND	*-	0.19	0.033	ug/L		04/16/21 09:34	04/20/21 18:04	1
Benzo[b]fluoranthene	ND	H UJ	0.19	0.032	ug/L		04/26/21 13:34	04/28/21 16:46	1
Benzo[g,h,i]perylene	ND		0.19	0.13	ug/L		04/16/21 09:34	04/20/21 18:04	1
Benzo[g,h,i]perylene	ND	H UJ	0.19	0.12	ug/L		04/26/21 13:34	04/28/21 16:46	1
Benzo[k]fluoranthene	ND	*-	0.19	0.096	ug/L		04/16/21 09:34	04/20/21 18:04	1
Benzo[k]fluoranthene	ND	H UJ	0.19	0.094	ug/L		04/26/21 13:34	04/28/21 16:46	1
Chrysene	ND	*-	0.19	0.071	ug/L		04/16/21 09:34	04/20/21 18:04	1
Chrysene	ND	H UJ	0.19	0.070	ug/L		04/26/21 13:34	04/28/21 16:46	1
Dibenz(a,h)anthracene	ND	*-	0.19	0.048	ug/L		04/16/21 09:34	04/20/21 18:04	1
Dibenz(a,h)anthracene	ND	H UJ	0.19	0.047	ug/L		04/26/21 13:34	04/28/21 16:46	1
Fluoranthene	ND		0.19	0.065	ug/L		04/16/21 09:34	04/20/21 18:04	1

Client Sample ID: P114R-ROX-041221
Date Collected: 04/12/21 09:25
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-3
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
Fluoranthene	ND	H UJ	0.19	0.064	ug/L		04/26/21 13:34	04/28/21 16:46	1
Fluorene	ND		0.19	0.11	ug/L		04/16/21 09:34	04/20/21 18:04	1
Fluorene	ND	H UJ	0.19	0.10	ug/L		04/26/21 13:34	04/28/21 16:46	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/16/21 09:34	04/20/21 18:04	1
Indeno[1,2,3-cd]pyrene	ND	H UJ	0.19	0.041	ug/L		04/26/21 13:34	04/28/21 16:46	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/16/21 09:34	04/20/21 18:04	1
1-Methylnaphthalene	ND	H UJ	0.19	0.070	ug/L		04/26/21 13:34	04/28/21 16:46	1
2-Methylnaphthalene	ND		0.19	0.058	ug/L		04/16/21 09:34	04/20/21 18:04	1
2-Methylnaphthalene	ND	H UJ	0.19	0.057	ug/L		04/26/21 13:34	04/28/21 16:46	1
Phenanthrene	ND		0.19	0.035	ug/L		04/16/21 09:34	04/20/21 18:04	1
Phenanthrene	ND	H UJ	0.19	0.034	ug/L		04/26/21 13:34	04/28/21 16:46	1
Pyrene	ND		0.19	0.038	ug/L		04/16/21 09:34	04/20/21 18:04	1
Pyrene	ND	H UJ	0.19	0.038	ug/L		04/26/21 13:34	04/28/21 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*15 - 122*	*04/16/21 09:34*	*04/20/21 18:04*	*1*
2-Fluorobiphenyl	*92*		*15 - 122*	*04/26/21 13:34*	*04/28/21 16:46*	*1*
Nitrobenzene-d5	*36*		*19 - 130*	*04/16/21 09:34*	*04/20/21 18:04*	*1*
Nitrobenzene-d5	*39*		*19 - 130*	*04/26/21 13:34*	*04/28/21 16:46*	*1*
Terphenyl-d14	*76*		*33 - 138*	*04/16/21 09:34*	*04/20/21 18:04*	*1*
Terphenyl-d14	*112*		*33 - 138*	*04/26/21 13:34*	*04/28/21 16:46*	*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		04/16/21 09:34	04/20/21 13:48	1
Benzenethiol	ND	*1 *- UJ	9.6	1.6	ug/L		04/16/21 09:34	04/20/21 13:48	1
Benzoic acid	ND	*1	29	7.0	ug/L		04/16/21 09:34	04/20/21 13:48	1
Benzyl alcohol	ND		9.6	1.9	ug/L		04/16/21 09:34	04/20/21 13:48	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		04/16/21 09:34	04/20/21 13:48	1
Bis(2-chloroethyl)ether	ND		9.6	2.6	ug/L		04/16/21 09:34	04/20/21 13:48	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		04/16/21 09:34	04/20/21 13:48	1
Bis(2-ethylhexyl) phthalate	ND		9.6	4.8	ug/L		04/16/21 09:34	04/20/21 13:48	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		04/16/21 09:34	04/20/21 13:48	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		04/16/21 09:34	04/20/21 13:48	1
4-Chloroaniline	ND		9.6	3.3	ug/L		04/16/21 09:34	04/20/21 13:48	1
4-Chloro-3-methylphenol	ND		9.6	3.7	ug/L		04/16/21 09:34	04/20/21 13:48	1
2-Chloronaphthalene	ND		9.6	0.13	ug/L		04/16/21 09:34	04/20/21 13:48	1
2-Chlorophenol	ND	*-	9.6	2.1	ug/L		04/16/21 09:34	04/20/21 13:48	1
4-Chlorophenyl phenyl ether	ND		9.6	1.9	ug/L		04/16/21 09:34	04/20/21 13:48	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		04/16/21 09:34	04/20/21 13:48	1
Dibenzofuran	ND		9.6	0.16	ug/L		04/16/21 09:34	04/20/21 13:48	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		04/16/21 09:34	04/20/21 13:48	1
2,4-Dichlorophenol	ND	*-	9.6	2.9	ug/L		04/16/21 09:34	04/20/21 13:48	1
Diethyl phthalate	0.30	J	9.6	0.23	ug/L		04/16/21 09:34	04/20/21 13:48	1
2,4-Dimethylphenol	ND		9.6	3.4	ug/L		04/16/21 09:34	04/20/21 13:48	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		04/16/21 09:34	04/20/21 13:48	1
Di-n-butyl phthalate	ND		9.6	2.6	ug/L		04/16/21 09:34	04/20/21 13:48	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		04/16/21 09:34	04/20/21 13:48	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/16/21 09:34	04/20/21 13:48	1
2,4-Dinitrotoluene	ND		9.6	1.8	ug/L		04/16/21 09:34	04/20/21 13:48	1

Client Sample ID: P114R-ROX-041221
Date Collected: 04/12/21 09:25
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		04/16/21 09:34	04/20/21 13:48	1
Di-n-octyl phthalate	ND		9.6	0.16	ug/L		04/16/21 09:34	04/20/21 13:48	1
1,4-Dioxane	ND		9.6	0.96	ug/L		04/16/21 09:34	04/20/21 13:48	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.96	ug/L		04/16/21 09:34	04/20/21 13:48	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		04/16/21 09:34	04/20/21 13:48	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/16/21 09:34	04/20/21 13:48	1
Hexachloroethane	ND		9.6	4.0	ug/L		04/16/21 09:34	04/20/21 13:48	1
Indene	ND		9.6	0.96	ug/L		04/16/21 09:34	04/20/21 13:48	1
Isophorone	ND		9.6	0.13	ug/L		04/16/21 09:34	04/20/21 13:48	1
2-Methylphenol	ND	*-	9.6	1.7	ug/L		04/16/21 09:34	04/20/21 13:48	1
3 & 4 Methylphenol	ND	*-	19	0.38	ug/L		04/16/21 09:34	04/20/21 13:48	1
2-Nitroaniline	ND		9.6	2.1	ug/L		04/16/21 09:34	04/20/21 13:48	1
3-Nitroaniline	ND		9.6	1.7	ug/L		04/16/21 09:34	04/20/21 13:48	1
4-Nitroaniline	ND		9.6	1.4	ug/L		04/16/21 09:34	04/20/21 13:48	1
Nitrobenzene	ND		9.6	0.13	ug/L		04/16/21 09:34	04/20/21 13:48	1
2-Nitrophenol	ND	*-	9.6	5.0	ug/L		04/16/21 09:34	04/20/21 13:48	1
4-Nitrophenol	ND		9.6	2.0	ug/L		04/16/21 09:34	04/20/21 13:48	1
N-Nitrosodimethylamine	ND		9.6	3.4	ug/L		04/16/21 09:34	04/20/21 13:48	1
N-Nitrosodi-n-propylamine	ND		9.6	3.2	ug/L		04/16/21 09:34	04/20/21 13:48	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		04/16/21 09:34	04/20/21 13:48	1
Pentachlorophenol	ND		19	1.3	ug/L		04/16/21 09:34	04/20/21 13:48	1
Phenol	ND		9.6	2.5	ug/L		04/16/21 09:34	04/20/21 13:48	1
Pyridine	ND		9.6	3.1	ug/L		04/16/21 09:34	04/20/21 13:48	1
Quinoline	ND		9.6	4.3	ug/L		04/16/21 09:34	04/20/21 13:48	1
2,4,5-Trichlorophenol	ND	*-	9.6	3.6	ug/L		04/16/21 09:34	04/20/21 13:48	1
2,4,6-Trichlorophenol	ND	*-	9.6	3.4	ug/L		04/16/21 09:34	04/20/21 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*46 - 124*	*04/16/21 09:34*	*04/20/21 13:48*	*1*
2-Fluorophenol	*4*	*S1-*	*13 - 113*	*04/16/21 09:34*	*04/20/21 13:48*	*1*
Nitrobenzene-d5	*60*		*36 - 126*	*04/16/21 09:34*	*04/20/21 13:48*	*1*
Phenol-d5	*35*		*17 - 127*	*04/16/21 09:34*	*04/20/21 13:48*	*1*
Terphenyl-d14	*69*		*44 - 149*	*04/16/21 09:34*	*04/20/21 13:48*	*1*
2,4,6-Tribromophenol	*61*		*26 - 150*	*04/16/21 09:34*	*04/20/21 13:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND	H	9.4	2.1	ug/L		04/26/21 13:34	04/28/21 16:55	1
2,4-Dichlorophenol	ND	H	9.4	2.8	ug/L		04/26/21 13:34	04/28/21 16:55	1
2-Methylphenol	ND	H	9.4	1.7	ug/L		04/26/21 13:34	04/28/21 16:55	1
3 & 4 Methylphenol	ND	H	19	0.37	ug/L		04/26/21 13:34	04/28/21 16:55	1
2-Nitrophenol	ND	H	9.4	4.9	ug/L		04/26/21 13:34	04/28/21 16:55	1
2,4,5-Trichlorophenol	ND	H	9.4	3.5	ug/L		04/26/21 13:34	04/28/21 16:55	1
2,4,6-Trichlorophenol	ND	H	9.4	3.3	ug/L		04/26/21 13:34	04/28/21 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*46 - 124*	*04/26/21 13:34*	*04/28/21 16:55*	*1*
2-Fluorophenol	*31*		*13 - 113*	*04/26/21 13:34*	*04/28/21 16:55*	*1*
Nitrobenzene-d5	*54*		*36 - 126*	*04/26/21 13:34*	*04/28/21 16:55*	*1*

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

Job ID: 400-201971-1

Client Sample ID: P114R-ROX-041221
Date Collected: 04/12/21 09:25
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*49*		*17 - 127*	*04/26/21 13:34*	*04/28/21 16:55*	*1*
Terphenyl-d14	*74*		*44 - 149*	*04/26/21 13:34*	*04/28/21 16:55*	*1*
2,4,6-Tribromophenol	*69*		*26 - 150*	*04/26/21 13:34*	*04/28/21 16:55*	*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		0.030	0.0055	ug/L		04/19/21 09:01	04/19/21 19:56	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/19/21 09:01	04/19/21 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*85*	*p*	*51 - 149*	*04/19/21 09:01*	*04/19/21 19:56*	*1*

Client Sample ID: MW13-ROX-041221
Date Collected: 04/12/21 10:25
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-4
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			04/23/21 19:13	1
Acrolein	ND		20	10	ug/L			04/23/21 19:13	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/21 19:13	1
Benzene	ND		1.0	0.38	ug/L			04/23/21 19:13	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/21 19:13	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/21 19:13	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/21 19:13	1
Bromoform	ND		5.0	0.71	ug/L			04/23/21 19:13	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/21 19:13	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/21 19:13	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/21 19:13	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/23/21 19:13	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/23/21 19:13	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/23/21 19:13	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/21 19:13	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/21 19:13	1
Chloroform	ND		1.0	0.60	ug/L			04/23/21 19:13	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/23/21 19:13	1
Chloromethane	ND		1.0	0.83	ug/L			04/23/21 19:13	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 19:13	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 19:13	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/21 19:13	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/21 19:13	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/21 19:13	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/21 19:13	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 19:13	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 19:13	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 19:13	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 19:13	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 19:13	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 19:13	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/23/21 19:13	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/21 19:13	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/21 19:13	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/21 19:13	1
2-Hexanone	ND		25	3.1	ug/L			04/23/21 19:13	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/21 19:13	1
Methylene bromide	ND		5.0	0.59	ug/L			04/23/21 19:13	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/21 19:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/21 19:13	1
Methyl tert-butyl ether	**1.5**		1.0	0.74	ug/L			04/23/21 19:13	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/23/21 19:13	1
Naphthalene	ND		1.0	1.0	ug/L			04/23/21 19:13	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/21 19:13	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/21 19:13	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/21 19:13	1
o-Xylene	ND		5.0	0.60	ug/L			04/23/21 19:13	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/21 19:13	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/23/21 19:13	1

Client Sample ID: MW13-ROX-041221
Date Collected: 04/12/21 10:25
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-4
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			04/23/21 19:13	1
Styrene	ND		1.0	1.0	ug/L			04/23/21 19:13	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/21 19:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/23/21 19:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/21 19:13	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/23/21 19:13	1
Toluene	ND		1.0	0.41	ug/L			04/23/21 19:13	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 19:13	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 19:13	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/23/21 19:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/21 19:13	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/23/21 19:13	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/23/21 19:13	1
Trichloroethene	ND		1.0	0.50	ug/L			04/23/21 19:13	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/23/21 19:13	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/21 19:13	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/21 19:13	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/21 19:13	1
Vinyl acetate	ND		25	2.0	ug/L			04/23/21 19:13	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/23/21 19:13	1
Xylenes, Total	ND		10	1.6	ug/L			04/23/21 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*78 - 118*		*04/23/21 19:13*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*04/23/21 19:13*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*04/23/21 19:13*	*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		04/16/21 09:34	04/20/21 18:20	1
Acenaphthene	ND	H ~~UJ~~	0.19	0.031	ug/L		04/26/21 13:34	04/28/21 17:01	1
Acenaphthylene	**0.46**		0.19	0.043	ug/L		04/16/21 09:34	04/20/21 18:20	1
Acenaphthylene	ND	H ~~UJ~~	0.19	0.043	ug/L		04/26/21 13:34	04/28/21 17:01	1
Anthracene	ND		0.19	0.031	ug/L		04/16/21 09:34	04/20/21 18:20	1
Anthracene	ND	H ~~UJ~~	0.19	0.031	ug/L		04/26/21 13:34	04/28/21 17:01	1
Benzo[a]anthracene	ND	*- UJ	0.19	0.044	ug/L		04/16/21 09:34	04/20/21 18:20	1
Benzo[a]anthracene	ND	H ~~UJ~~	0.19	0.044	ug/L		04/26/21 13:34	04/28/21 17:01	1
Benzo[a]pyrene	ND		0.19	0.041	ug/L		04/16/21 09:34	04/20/21 18:20	1
Benzo[a]pyrene	ND	H ~~UJ~~	0.19	0.040	ug/L		04/26/21 13:34	04/28/21 17:01	1
Benzo[b]fluoranthene	ND	*- UJ	0.19	0.033	ug/L		04/16/21 09:34	04/20/21 18:20	1
Benzo[b]fluoranthene	ND	H ~~UJ~~	0.19	0.033	ug/L		04/26/21 13:34	04/28/21 17:01	1
Benzo[g,h,i]perylene	ND		0.19	0.13	ug/L		04/16/21 09:34	04/20/21 18:20	1
Benzo[g,h,i]perylene	ND	H ~~UJ~~	0.19	0.13	ug/L		04/26/21 13:34	04/28/21 17:01	1
Benzo[k]fluoranthene	ND	*- UJ	0.19	0.096	ug/L		04/16/21 09:34	04/20/21 18:20	1
Benzo[k]fluoranthene	ND	H ~~UJ~~	0.19	0.096	ug/L		04/26/21 13:34	04/28/21 17:01	1
Chrysene	ND	*- UJ	0.19	0.071	ug/L		04/16/21 09:34	04/20/21 18:20	1
Chrysene	ND	H ~~UJ~~	0.19	0.071	ug/L		04/26/21 13:34	04/28/21 17:01	1
Dibenz(a,h)anthracene	ND	*-	0.19	0.048	ug/L		04/16/21 09:34	04/20/21 18:20	1
Dibenz(a,h)anthracene	ND	H ~~UJ~~	0.19	0.048	ug/L		04/26/21 13:34	04/28/21 17:01	1
Fluoranthene	ND		0.19	0.066	ug/L		04/16/21 09:34	04/20/21 18:20	1

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

Job ID: 400-201971-1

Client Sample ID: MW13-ROX-041221
Date Collected: 04/12/21 10:25
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-4
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
Fluoranthene	ND	H UJ	0.19	0.066	ug/L		04/26/21 13:34	04/28/21 17:01	1
Fluorene	ND		0.19	0.11	ug/L		04/16/21 09:34	04/20/21 18:20	1
Fluorene	ND	H UJ	0.19	0.11	ug/L		04/26/21 13:34	04/28/21 17:01	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/16/21 09:34	04/20/21 18:20	1
Indeno[1,2,3-cd]pyrene	ND	H UJ	0.19	0.041	ug/L		04/26/21 13:34	04/28/21 17:01	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/16/21 09:34	04/20/21 18:20	1
1-Methylnaphthalene	ND	H UJ	0.19	0.071	ug/L		04/26/21 13:34	04/28/21 17:01	1
2-Methylnaphthalene	**0.12**	**J**	0.19	0.058	ug/L		04/16/21 09:34	04/20/21 18:20	1
2-Methylnaphthalene	ND	H UJ	0.19	0.058	ug/L		04/26/21 13:34	04/28/21 17:01	1
Phenanthrene	ND		0.19	0.035	ug/L		04/16/21 09:34	04/20/21 18:20	1
Phenanthrene	ND	H UJ	0.19	0.035	ug/L		04/26/21 13:34	04/28/21 17:01	1
Pyrene	ND		0.19	0.039	ug/L		04/16/21 09:34	04/20/21 18:20	1
Pyrene	ND	H UJ	0.19	0.039	ug/L		04/26/21 13:34	04/28/21 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*15 - 122*	*04/16/21 09:34*	*04/20/21 18:20*	*1*
2-Fluorobiphenyl	*88*		*15 - 122*	*04/26/21 13:34*	*04/28/21 17:01*	*1*
Nitrobenzene-d5	*38*		*19 - 130*	*04/16/21 09:34*	*04/20/21 18:20*	*1*
Nitrobenzene-d5	*41*		*19 - 130*	*04/26/21 13:34*	*04/28/21 17:01*	*1*
Terphenyl-d14	*64*		*33 - 138*	*04/16/21 09:34*	*04/20/21 18:20*	*1*
Terphenyl-d14	*80*		*33 - 138*	*04/26/21 13:34*	*04/28/21 17:01*	*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		04/16/21 09:34	04/20/21 14:09	1
Benzenethiol	ND	*1 *- UJ	9.6	1.6	ug/L		04/16/21 09:34	04/20/21 14:09	1
Benzoic acid	ND	*1	29	7.0	ug/L		04/16/21 09:34	04/20/21 14:09	1
Benzyl alcohol	ND		9.6	1.9	ug/L		04/16/21 09:34	04/20/21 14:09	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		04/16/21 09:34	04/20/21 14:09	1
Bis(2-chloroethyl)ether	ND		9.6	2.6	ug/L		04/16/21 09:34	04/20/21 14:09	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		04/16/21 09:34	04/20/21 14:09	1
Bis(2-ethylhexyl) phthalate	ND		9.6	4.8	ug/L		04/16/21 09:34	04/20/21 14:09	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		04/16/21 09:34	04/20/21 14:09	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		04/16/21 09:34	04/20/21 14:09	1
4-Chloroaniline	ND		9.6	3.3	ug/L		04/16/21 09:34	04/20/21 14:09	1
4-Chloro-3-methylphenol	ND		9.6	3.7	ug/L		04/16/21 09:34	04/20/21 14:09	1
2-Chloronaphthalene	ND		9.6	0.14	ug/L		04/16/21 09:34	04/20/21 14:09	1
2-Chlorophenol	ND	*-	9.6	2.1	ug/L		04/16/21 09:34	04/20/21 14:09	1
4-Chlorophenyl phenyl ether	ND		9.6	1.9	ug/L		04/16/21 09:34	04/20/21 14:09	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		04/16/21 09:34	04/20/21 14:09	1
Dibenzofuran	ND		9.6	0.16	ug/L		04/16/21 09:34	04/20/21 14:09	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		04/16/21 09:34	04/20/21 14:09	1
2,4-Dichlorophenol	ND	*-	9.6	2.9	ug/L		04/16/21 09:34	04/20/21 14:09	1
Diethyl phthalate	**0.56**	**J**	9.6	0.23	ug/L		04/16/21 09:34	04/20/21 14:09	1
2,4-Dimethylphenol	ND		9.6	3.4	ug/L		04/16/21 09:34	04/20/21 14:09	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		04/16/21 09:34	04/20/21 14:09	1
Di-n-butyl phthalate	ND		9.6	2.6	ug/L		04/16/21 09:34	04/20/21 14:09	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		04/16/21 09:34	04/20/21 14:09	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/16/21 09:34	04/20/21 14:09	1
2,4-Dinitrotoluene	ND		9.6	1.8	ug/L		04/16/21 09:34	04/20/21 14:09	1

Client Sample ID: MW13-ROX-041221
Date Collected: 04/12/21 10:25
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		04/16/21 09:34	04/20/21 14:09	1
Di-n-octyl phthalate	ND		9.6	0.16	ug/L		04/16/21 09:34	04/20/21 14:09	1
1,4-Dioxane	ND		9.6	0.96	ug/L		04/16/21 09:34	04/20/21 14:09	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.96	ug/L		04/16/21 09:34	04/20/21 14:09	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		04/16/21 09:34	04/20/21 14:09	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/16/21 09:34	04/20/21 14:09	1
Hexachloroethane	ND		9.6	4.1	ug/L		04/16/21 09:34	04/20/21 14:09	1
Indene	ND		9.6	0.96	ug/L		04/16/21 09:34	04/20/21 14:09	1
Isophorone	ND		9.6	0.14	ug/L		04/16/21 09:34	04/20/21 14:09	1
2-Methylphenol	ND	*-	9.6	1.7	ug/L		04/16/21 09:34	04/20/21 14:09	1
3 & 4 Methylphenol	ND	*-	19	0.38	ug/L		04/16/21 09:34	04/20/21 14:09	1
2-Nitroaniline	ND		9.6	2.1	ug/L		04/16/21 09:34	04/20/21 14:09	1
3-Nitroaniline	ND		9.6	1.7	ug/L		04/16/21 09:34	04/20/21 14:09	1
4-Nitroaniline	ND		9.6	1.4	ug/L		04/16/21 09:34	04/20/21 14:09	1
Nitrobenzene	ND		9.6	0.13	ug/L		04/16/21 09:34	04/20/21 14:09	1
2-Nitrophenol	ND	*-	9.6	5.0	ug/L		04/16/21 09:34	04/20/21 14:09	1
4-Nitrophenol	ND		9.6	2.0	ug/L		04/16/21 09:34	04/20/21 14:09	1
N-Nitrosodimethylamine	ND		9.6	3.4	ug/L		04/16/21 09:34	04/20/21 14:09	1
N-Nitrosodi-n-propylamine	ND		9.6	3.2	ug/L		04/16/21 09:34	04/20/21 14:09	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		04/16/21 09:34	04/20/21 14:09	1
Pentachlorophenol	ND		19	1.4	ug/L		04/16/21 09:34	04/20/21 14:09	1
Phenol	ND		9.6	2.5	ug/L		04/16/21 09:34	04/20/21 14:09	1
Pyridine	ND		9.6	3.1	ug/L		04/16/21 09:34	04/20/21 14:09	1
Quinoline	ND		9.6	4.3	ug/L		04/16/21 09:34	04/20/21 14:09	1
2,4,5-Trichlorophenol	ND	*-	9.6	3.6	ug/L		04/16/21 09:34	04/20/21 14:09	1
2,4,6-Trichlorophenol	ND	*-	9.6	3.4	ug/L		04/16/21 09:34	04/20/21 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*46 - 124*	*04/16/21 09:34*	*04/20/21 14:09*	*1*
2-Fluorophenol	*19*		*13 - 113*	*04/16/21 09:34*	*04/20/21 14:09*	*1*
Nitrobenzene-d5	*63*		*36 - 126*	*04/16/21 09:34*	*04/20/21 14:09*	*1*
Phenol-d5	*51*		*17 - 127*	*04/16/21 09:34*	*04/20/21 14:09*	*1*
Terphenyl-d14	*62*		*44 - 149*	*04/16/21 09:34*	*04/20/21 14:09*	*1*
2,4,6-Tribromophenol	*75*		*26 - 150*	*04/16/21 09:34*	*04/20/21 14:09*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND	H UJ	9.6	2.1	ug/L		04/26/21 13:34	04/28/21 17:16	1
2,4-Dichlorophenol	ND	H	9.6	2.9	ug/L		04/26/21 13:34	04/28/21 17:16	1
2-Methylphenol	ND	H	9.6	1.7	ug/L		04/26/21 13:34	04/28/21 17:16	1
3 & 4 Methylphenol	ND	H	19	0.38	ug/L		04/26/21 13:34	04/28/21 17:16	1
2-Nitrophenol	ND	H	9.6	5.0	ug/L		04/26/21 13:34	04/28/21 17:16	1
2,4,5-Trichlorophenol	ND	H	9.6	3.6	ug/L		04/26/21 13:34	04/28/21 17:16	1
2,4,6-Trichlorophenol	ND	H	9.6	3.4	ug/L		04/26/21 13:34	04/28/21 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*46 - 124*	*04/26/21 13:34*	*04/28/21 17:16*	*1*
2-Fluorophenol	*46*		*13 - 113*	*04/26/21 13:34*	*04/28/21 17:16*	*1*
Nitrobenzene-d5	*55*		*36 - 126*	*04/26/21 13:34*	*04/28/21 17:16*	*1*

Client Sample ID: MW13-ROX-041221
Date Collected: 04/12/21 10:25
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*57*		*17 - 127*	*04/26/21 13:34*	*04/28/21 17:16*	*1*
Terphenyl-d14	*55*		*44 - 149*	*04/26/21 13:34*	*04/28/21 17:16*	*1*
2,4,6-Tribromophenol	*80*		*26 - 150*	*04/26/21 13:34*	*04/28/21 17:16*	*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		0.030	0.0055	ug/L		04/19/21 09:01	04/19/21 20:16	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/19/21 09:01	04/19/21 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*93*	*p*	*51 - 149*	*04/19/21 09:01*	*04/19/21 20:16*	*1*

Client Sample ID: MW11-ROX-041221-EB
Date Collected: 04/12/21 11:40
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-5
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			04/23/21 18:24	1
Acrolein	ND		20	10	ug/L			04/23/21 18:24	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/21 18:24	1
Benzene	ND		1.0	0.38	ug/L			04/23/21 18:24	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/21 18:24	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/21 18:24	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/21 18:24	1
Bromoform	ND		5.0	0.71	ug/L			04/23/21 18:24	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/21 18:24	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/21 18:24	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/21 18:24	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/23/21 18:24	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/23/21 18:24	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/23/21 18:24	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/21 18:24	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/21 18:24	1
Chloroform	ND		1.0	0.60	ug/L			04/23/21 18:24	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/23/21 18:24	1
Chloromethane	ND		1.0	0.83	ug/L			04/23/21 18:24	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 18:24	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 18:24	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/21 18:24	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/21 18:24	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/21 18:24	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/21 18:24	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 18:24	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 18:24	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 18:24	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 18:24	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 18:24	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 18:24	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/23/21 18:24	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/21 18:24	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/21 18:24	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/21 18:24	1
2-Hexanone	ND		25	3.1	ug/L			04/23/21 18:24	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/21 18:24	1
Methylene bromide	ND		5.0	0.59	ug/L			04/23/21 18:24	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/21 18:24	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/21 18:24	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/23/21 18:24	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/23/21 18:24	1
Naphthalene	ND		1.0	1.0	ug/L			04/23/21 18:24	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/21 18:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/21 18:24	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/21 18:24	1
o-Xylene	ND		5.0	0.60	ug/L			04/23/21 18:24	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/21 18:24	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/23/21 18:24	1

Client Sample ID: MW11-ROX-041221-EB
Date Collected: 04/12/21 11:40
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-5
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			04/23/21 18:24	1
Styrene	ND		1.0	1.0	ug/L			04/23/21 18:24	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/21 18:24	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/23/21 18:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/21 18:24	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/23/21 18:24	1
Toluene	ND		1.0	0.41	ug/L			04/23/21 18:24	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 18:24	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 18:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/23/21 18:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/21 18:24	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/23/21 18:24	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/23/21 18:24	1
Trichloroethene	ND		1.0	0.50	ug/L			04/23/21 18:24	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/23/21 18:24	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/21 18:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/21 18:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/21 18:24	1
Vinyl acetate	ND		25	2.0	ug/L			04/23/21 18:24	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/23/21 18:24	1
Xylenes, Total	ND		10	1.6	ug/L			04/23/21 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/23/21 18:24*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*04/23/21 18:24*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/23/21 18:24*	*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		0.19	0.031	ug/L		04/16/21 09:34	04/20/21 18:36	1
Acenaphthene	ND	H	0.19	0.030	ug/L		04/26/21 13:34	04/28/21 17:17	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/16/21 09:34	04/20/21 18:36	1
Acenaphthylene	ND	H	0.19	0.043	ug/L		04/26/21 13:34	04/28/21 17:17	1
Anthracene	ND		0.19	0.031	ug/L		04/16/21 09:34	04/20/21 18:36	1
Anthracene	ND	H	0.19	0.030	ug/L		04/26/21 13:34	04/28/21 17:17	1
Benzo[a]anthracene	ND	*-	0.19	0.044	ug/L		04/16/21 09:34	04/20/21 18:36	1
Benzo[a]anthracene	ND	H	0.19	0.044	ug/L		04/26/21 13:34	04/28/21 17:17	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/16/21 09:34	04/20/21 18:36	1
Benzo[a]pyrene	ND	H	0.19	0.040	ug/L		04/26/21 13:34	04/28/21 17:17	1
Benzo[b]fluoranthene	ND	*-	0.19	0.033	ug/L		04/16/21 09:34	04/20/21 18:36	1
Benzo[b]fluoranthene	ND	H	0.19	0.032	ug/L		04/26/21 13:34	04/28/21 17:17	1
Benzo[g,h,i]perylene	ND		0.19	0.13	ug/L		04/16/21 09:34	04/20/21 18:36	1
Benzo[g,h,i]perylene	ND	H	0.19	0.12	ug/L		04/26/21 13:34	04/28/21 17:17	1
Benzo[k]fluoranthene	ND	*-	0.19	0.096	ug/L		04/16/21 09:34	04/20/21 18:36	1
Benzo[k]fluoranthene	ND	H	0.19	0.095	ug/L		04/26/21 13:34	04/28/21 17:17	1
Chrysene	ND	*-	0.19	0.071	ug/L		04/16/21 09:34	04/20/21 18:36	1
Chrysene	ND	H	0.19	0.071	ug/L		04/26/21 13:34	04/28/21 17:17	1
Dibenz(a,h)anthracene	ND	*-	0.19	0.048	ug/L		04/16/21 09:34	04/20/21 18:36	1
Dibenz(a,h)anthracene	ND	H	0.19	0.048	ug/L		04/26/21 13:34	04/28/21 17:17	1
Fluoranthene	ND		0.19	0.065	ug/L		04/16/21 09:34	04/20/21 18:36	1

Client Sample ID: MW11-ROX-041221-EB
Date Collected: 04/12/21 11:40
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-5
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
Fluoranthene	ND	H	0.19	0.065	ug/L		04/26/21 13:34	04/28/21 17:17	1
Fluorene	ND		0.19	0.11	ug/L		04/16/21 09:34	04/20/21 18:36	1
Fluorene	ND	H	0.19	0.10	ug/L		04/26/21 13:34	04/28/21 17:17	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/16/21 09:34	04/20/21 18:36	1
Indeno[1,2,3-cd]pyrene	ND	H	0.19	0.041	ug/L		04/26/21 13:34	04/28/21 17:17	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/16/21 09:34	04/20/21 18:36	1
1-Methylnaphthalene	ND	H	0.19	0.071	ug/L		04/26/21 13:34	04/28/21 17:17	1
2-Methylnaphthalene	ND		0.19	0.058	ug/L		04/16/21 09:34	04/20/21 18:36	1
2-Methylnaphthalene	ND	H	0.19	0.057	ug/L		04/26/21 13:34	04/28/21 17:17	1
Phenanthrene	ND		0.19	0.035	ug/L		04/16/21 09:34	04/20/21 18:36	1
Phenanthrene	ND	H	0.19	0.034	ug/L		04/26/21 13:34	04/28/21 17:17	1
Pyrene	ND		0.19	0.039	ug/L		04/16/21 09:34	04/20/21 18:36	1
Pyrene	ND	H	0.19	0.038	ug/L		04/26/21 13:34	04/28/21 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*15 - 122*	*04/16/21 09:34*	*04/20/21 18:36*	*1*
2-Fluorobiphenyl	*84*		*15 - 122*	*04/26/21 13:34*	*04/28/21 17:17*	*1*
Nitrobenzene-d5	*36*		*19 - 130*	*04/16/21 09:34*	*04/20/21 18:36*	*1*
Nitrobenzene-d5	*35*		*19 - 130*	*04/26/21 13:34*	*04/28/21 17:17*	*1*
Terphenyl-d14	*77*		*33 - 138*	*04/16/21 09:34*	*04/20/21 18:36*	*1*
Terphenyl-d14	*101*		*33 - 138*	*04/26/21 13:34*	*04/28/21 17:17*	*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		04/16/21 09:34	04/20/21 14:30	1
Benzenethiol	ND	*1 *-	9.6	1.6	ug/L		04/16/21 09:34	04/20/21 14:30	1
Benzoic acid	ND	*1	29	7.0	ug/L		04/16/21 09:34	04/20/21 14:30	1
Benzyl alcohol	ND		9.6	1.9	ug/L		04/16/21 09:34	04/20/21 14:30	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		04/16/21 09:34	04/20/21 14:30	1
Bis(2-chloroethyl)ether	ND		9.6	2.6	ug/L		04/16/21 09:34	04/20/21 14:30	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		04/16/21 09:34	04/20/21 14:30	1
Bis(2-ethylhexyl) phthalate	ND		9.6	4.8	ug/L		04/16/21 09:34	04/20/21 14:30	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		04/16/21 09:34	04/20/21 14:30	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		04/16/21 09:34	04/20/21 14:30	1
4-Chloroaniline	ND		9.6	3.3	ug/L		04/16/21 09:34	04/20/21 14:30	1
4-Chloro-3-methylphenol	ND		9.6	3.7	ug/L		04/16/21 09:34	04/20/21 14:30	1
2-Chloronaphthalene	ND		9.6	0.13	ug/L		04/16/21 09:34	04/20/21 14:30	1
2-Chlorophenol	ND	*-	9.6	2.1	ug/L		04/16/21 09:34	04/20/21 14:30	1
4-Chlorophenyl phenyl ether	ND		9.6	1.9	ug/L		04/16/21 09:34	04/20/21 14:30	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		04/16/21 09:34	04/20/21 14:30	1
Dibenzofuran	ND		9.6	0.16	ug/L		04/16/21 09:34	04/20/21 14:30	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		04/16/21 09:34	04/20/21 14:30	1
2,4-Dichlorophenol	ND	*-	9.6	2.9	ug/L		04/16/21 09:34	04/20/21 14:30	1
Diethyl phthalate	0.45	J	9.6	0.23	ug/L		04/16/21 09:34	04/20/21 14:30	1
2,4-Dimethylphenol	ND		9.6	3.4	ug/L		04/16/21 09:34	04/20/21 14:30	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		04/16/21 09:34	04/20/21 14:30	1
Di-n-butyl phthalate	ND		9.6	2.6	ug/L		04/16/21 09:34	04/20/21 14:30	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		04/16/21 09:34	04/20/21 14:30	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/16/21 09:34	04/20/21 14:30	1
2,4-Dinitrotoluene	ND		9.6	1.8	ug/L		04/16/21 09:34	04/20/21 14:30	1

Client Sample ID: MW11-ROX-041221-EB
Date Collected: 04/12/21 11:40
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		04/16/21 09:34	04/20/21 14:30	1
Di-n-octyl phthalate	ND		9.6	0.16	ug/L		04/16/21 09:34	04/20/21 14:30	1
1,4-Dioxane	ND		9.6	0.96	ug/L		04/16/21 09:34	04/20/21 14:30	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.96	ug/L		04/16/21 09:34	04/20/21 14:30	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		04/16/21 09:34	04/20/21 14:30	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/16/21 09:34	04/20/21 14:30	1
Hexachloroethane	ND		9.6	4.0	ug/L		04/16/21 09:34	04/20/21 14:30	1
Indene	ND		9.6	0.96	ug/L		04/16/21 09:34	04/20/21 14:30	1
Isophorone	ND		9.6	0.13	ug/L		04/16/21 09:34	04/20/21 14:30	1
2-Methylphenol	ND	*-	9.6	1.7	ug/L		04/16/21 09:34	04/20/21 14:30	1
3 & 4 Methylphenol	ND	*-	19	0.38	ug/L		04/16/21 09:34	04/20/21 14:30	1
2-Nitroaniline	ND		9.6	2.1	ug/L		04/16/21 09:34	04/20/21 14:30	1
3-Nitroaniline	ND		9.6	1.7	ug/L		04/16/21 09:34	04/20/21 14:30	1
4-Nitroaniline	ND		9.6	1.4	ug/L		04/16/21 09:34	04/20/21 14:30	1
Nitrobenzene	ND		9.6	0.13	ug/L		04/16/21 09:34	04/20/21 14:30	1
2-Nitrophenol	ND	*-	9.6	5.0	ug/L		04/16/21 09:34	04/20/21 14:30	1
4-Nitrophenol	ND		9.6	2.0	ug/L		04/16/21 09:34	04/20/21 14:30	1
N-Nitrosodimethylamine	ND		9.6	3.4	ug/L		04/16/21 09:34	04/20/21 14:30	1
N-Nitrosodi-n-propylamine	ND		9.6	3.2	ug/L		04/16/21 09:34	04/20/21 14:30	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		04/16/21 09:34	04/20/21 14:30	1
Pentachlorophenol	ND		19	1.3	ug/L		04/16/21 09:34	04/20/21 14:30	1
Phenol	ND		9.6	2.5	ug/L		04/16/21 09:34	04/20/21 14:30	1
Pyridine	ND		9.6	3.1	ug/L		04/16/21 09:34	04/20/21 14:30	1
Quinoline	ND		9.6	4.3	ug/L		04/16/21 09:34	04/20/21 14:30	1
2,4,5-Trichlorophenol	ND	*-	9.6	3.6	ug/L		04/16/21 09:34	04/20/21 14:30	1
2,4,6-Trichlorophenol	ND	*-	9.6	3.4	ug/L		04/16/21 09:34	04/20/21 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*46 - 124*	*04/16/21 09:34*	*04/20/21 14:30*	*1*
2-Fluorophenol	*30*		*13 - 113*	*04/16/21 09:34*	*04/20/21 14:30*	*1*
Nitrobenzene-d5	*63*		*36 - 126*	*04/16/21 09:34*	*04/20/21 14:30*	*1*
Phenol-d5	*56*		*17 - 127*	*04/16/21 09:34*	*04/20/21 14:30*	*1*
Terphenyl-d14	*74*		*44 - 149*	*04/16/21 09:34*	*04/20/21 14:30*	*1*
2,4,6-Tribromophenol	*62*		*26 - 150*	*04/16/21 09:34*	*04/20/21 14:30*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND	H	9.5	2.1	ug/L		04/26/21 13:34	04/28/21 17:38	1
2,4-Dichlorophenol	ND	H	9.5	2.9	ug/L		04/26/21 13:34	04/28/21 17:38	1
2-Methylphenol	ND	H	9.5	1.7	ug/L		04/26/21 13:34	04/28/21 17:38	1
3 & 4 Methylphenol	ND	H	19	0.37	ug/L		04/26/21 13:34	04/28/21 17:38	1
2-Nitrophenol	ND	H	9.5	5.0	ug/L		04/26/21 13:34	04/28/21 17:38	1
2,4,5-Trichlorophenol	ND	H	9.5	3.5	ug/L		04/26/21 13:34	04/28/21 17:38	1
2,4,6-Trichlorophenol	ND	H	9.5	3.3	ug/L		04/26/21 13:34	04/28/21 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*46 - 124*	*04/26/21 13:34*	*04/28/21 17:38*	*1*
2-Fluorophenol	*59*		*13 - 113*	*04/26/21 13:34*	*04/28/21 17:38*	*1*
Nitrobenzene-d5	*66*		*36 - 126*	*04/26/21 13:34*	*04/28/21 17:38*	*1*

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

Job ID: 400-201971-1

Client Sample ID: MW11-ROX-041221-EB
Date Collected: 04/12/21 11:40
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*71*		*17 - 127*	*04/26/21 13:34*	*04/28/21 17:38*	*1*
Terphenyl-d14	*95*		*44 - 149*	*04/26/21 13:34*	*04/28/21 17:38*	*1*
2,4,6-Tribromophenol	*77*		*26 - 150*	*04/26/21 13:34*	*04/28/21 17:38*	*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		0.030	0.0055	ug/L		04/21/21 12:16	04/21/21 16:41	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/21/21 12:16	04/21/21 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*87*		*51 - 149*	*04/21/21 12:16*	*04/21/21 16:41*	*1*

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

Job ID: 400-201971-1

Client Sample ID: MW11-ROX-041221
Date Collected: 04/12/21 12:10
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-6
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			04/23/21 19:38	1
Acrolein	ND		20	10	ug/L			04/23/21 19:38	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/21 19:38	1
Benzene	ND		1.0	0.38	ug/L			04/23/21 19:38	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/21 19:38	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/21 19:38	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/21 19:38	1
Bromoform	ND		5.0	0.71	ug/L			04/23/21 19:38	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/21 19:38	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/21 19:38	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/21 19:38	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/23/21 19:38	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/23/21 19:38	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/23/21 19:38	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/21 19:38	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/21 19:38	1
Chloroform	ND		1.0	0.60	ug/L			04/23/21 19:38	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/23/21 19:38	1
Chloromethane	ND		1.0	0.83	ug/L			04/23/21 19:38	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 19:38	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 19:38	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/21 19:38	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/21 19:38	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/21 19:38	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/21 19:38	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 19:38	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 19:38	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 19:38	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 19:38	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 19:38	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 19:38	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/23/21 19:38	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/21 19:38	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/21 19:38	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/21 19:38	1
2-Hexanone	ND		25	3.1	ug/L			04/23/21 19:38	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/21 19:38	1
Methylene bromide	ND		5.0	0.59	ug/L			04/23/21 19:38	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/21 19:38	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/21 19:38	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/23/21 19:38	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/23/21 19:38	1
Naphthalene	ND		1.0	1.0	ug/L			04/23/21 19:38	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/21 19:38	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/21 19:38	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/21 19:38	1
o-Xylene	ND		5.0	0.60	ug/L			04/23/21 19:38	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/21 19:38	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/23/21 19:38	1

Client Sample ID: MW11-ROX-041221
Date Collected: 04/12/21 12:10
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-6
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			04/23/21 19:38	1
Styrene	ND		1.0	1.0	ug/L			04/23/21 19:38	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/21 19:38	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/23/21 19:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/21 19:38	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/23/21 19:38	1
Toluene	ND		1.0	0.41	ug/L			04/23/21 19:38	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 19:38	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 19:38	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/23/21 19:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/21 19:38	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/23/21 19:38	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/23/21 19:38	1
Trichloroethene	ND		1.0	0.50	ug/L			04/23/21 19:38	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/23/21 19:38	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/21 19:38	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/21 19:38	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/21 19:38	1
Vinyl acetate	ND		25	2.0	ug/L			04/23/21 19:38	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/23/21 19:38	1
Xylenes, Total	ND		10	1.6	ug/L			04/23/21 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/23/21 19:38*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*04/23/21 19:38*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/23/21 19:38*	*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		04/17/21 07:44	04/20/21 18:51	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/17/21 07:44	04/20/21 18:51	1
Anthracene	ND		0.19	0.031	ug/L		04/17/21 07:44	04/20/21 18:51	1
Benzo[a]anthracene	ND	*- UJ	0.19	0.044	ug/L		04/17/21 07:44	04/20/21 18:51	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/17/21 07:44	04/20/21 18:51	1
Benzo[b]fluoranthene	ND	*- UJ	0.19	0.032	ug/L		04/17/21 07:44	04/20/21 18:51	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/17/21 07:44	04/20/21 18:51	1
Benzo[k]fluoranthene	ND	*- UJ	0.19	0.096	ug/L		04/17/21 07:44	04/20/21 18:51	1
Chrysene	ND	*- UJ	0.19	0.071	ug/L		04/17/21 07:44	04/20/21 18:51	1
Dibenz(a,h)anthracene	ND	*-	0.19	0.048	ug/L		04/17/21 07:44	04/20/21 18:51	1
Fluoranthene	ND		0.19	0.065	ug/L		04/17/21 07:44	04/20/21 18:51	1
Fluorene	ND		0.19	0.11	ug/L		04/17/21 07:44	04/20/21 18:51	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/17/21 07:44	04/20/21 18:51	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/17/21 07:44	04/20/21 18:51	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		04/17/21 07:44	04/20/21 18:51	1
Phenanthrene	ND		0.19	0.034	ug/L		04/17/21 07:44	04/20/21 18:51	1
Pyrene	ND		0.19	0.038	ug/L		04/17/21 07:44	04/20/21 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*15 - 122*	*04/17/21 07:44*	*04/20/21 18:51*	*1*
Nitrobenzene-d5	*38*		*19 - 130*	*04/17/21 07:44*	*04/20/21 18:51*	*1*

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

Job ID: 400-201971-1

Client Sample ID: MW11-ROX-041221
Date Collected: 04/12/21 12:10
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-6
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	83		33 - 138	04/17/21 07:44	04/20/21 18:51	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.6	3.6	ug/L		04/17/21 07:44	04/20/21 14:52	1
Benzenethiol	ND	*1 *- UJ	9.6	1.6	ug/L		04/17/21 07:44	04/20/21 14:52	1
Benzoic acid	ND	*1	29	7.0	ug/L		04/17/21 07:44	04/20/21 14:52	1
Benzyl alcohol	ND		9.6	1.9	ug/L		04/17/21 07:44	04/20/21 14:52	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		04/17/21 07:44	04/20/21 14:52	1
Bis(2-chloroethyl)ether	ND		9.6	2.6	ug/L		04/17/21 07:44	04/20/21 14:52	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		04/17/21 07:44	04/20/21 14:52	1
Bis(2-ethylhexyl) phthalate	**5.8**	**J**	9.6	4.8	ug/L		04/17/21 07:44	04/20/21 14:52	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		04/17/21 07:44	04/20/21 14:52	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		04/17/21 07:44	04/20/21 14:52	1
4-Chloroaniline	ND		9.6	3.2	ug/L		04/17/21 07:44	04/20/21 14:52	1
4-Chloro-3-methylphenol	ND		9.6	3.6	ug/L		04/17/21 07:44	04/20/21 14:52	1
2-Chloronaphthalene	ND		9.6	0.13	ug/L		04/17/21 07:44	04/20/21 14:52	1
2-Chlorophenol	ND	*- UJ	9.6	2.1	ug/L		04/17/21 07:44	04/20/21 14:52	1
4-Chlorophenyl phenyl ether	ND		9.6	1.9	ug/L		04/17/21 07:44	04/20/21 14:52	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		04/17/21 07:44	04/20/21 14:52	1
Dibenzofuran	ND		9.6	0.16	ug/L		04/17/21 07:44	04/20/21 14:52	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		04/17/21 07:44	04/20/21 14:52	1
2,4-Dichlorophenol	ND	*- UJ	9.6	2.9	ug/L		04/17/21 07:44	04/20/21 14:52	1
Diethyl phthalate	ND		9.6	0.23	ug/L		04/17/21 07:44	04/20/21 14:52	1
2,4-Dimethylphenol	ND		9.6	3.3	ug/L		04/17/21 07:44	04/20/21 14:52	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		04/17/21 07:44	04/20/21 14:52	1
Di-n-butyl phthalate	ND		9.6	2.6	ug/L		04/17/21 07:44	04/20/21 14:52	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		04/17/21 07:44	04/20/21 14:52	1
2,4-Dinitrophenol	ND		29	3.2	ug/L		04/17/21 07:44	04/20/21 14:52	1
2,4-Dinitrotoluene	ND		9.6	1.8	ug/L		04/17/21 07:44	04/20/21 14:52	1
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		04/17/21 07:44	04/20/21 14:52	1
Di-n-octyl phthalate	ND		9.6	0.16	ug/L		04/17/21 07:44	04/20/21 14:52	1
1,4-Dioxane	ND		9.6	0.96	ug/L		04/17/21 07:44	04/20/21 14:52	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.96	ug/L		04/17/21 07:44	04/20/21 14:52	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		04/17/21 07:44	04/20/21 14:52	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/17/21 07:44	04/20/21 14:52	1
Hexachloroethane	ND		9.6	4.0	ug/L		04/17/21 07:44	04/20/21 14:52	1
Indene	ND		9.6	0.96	ug/L		04/17/21 07:44	04/20/21 14:52	1
Isophorone	ND		9.6	0.13	ug/L		04/17/21 07:44	04/20/21 14:52	1
2-Methylphenol	ND	*- UJ	9.6	1.7	ug/L		04/17/21 07:44	04/20/21 14:52	1
3 & 4 Methylphenol	ND	*- UJ	19	0.37	ug/L		04/17/21 07:44	04/20/21 14:52	1
2-Nitroaniline	ND		9.6	2.1	ug/L		04/17/21 07:44	04/20/21 14:52	1
3-Nitroaniline	ND		9.6	1.7	ug/L		04/17/21 07:44	04/20/21 14:52	1
4-Nitroaniline	ND		9.6	1.4	ug/L		04/17/21 07:44	04/20/21 14:52	1
Nitrobenzene	ND		9.6	0.12	ug/L		04/17/21 07:44	04/20/21 14:52	1
2-Nitrophenol	ND	*- UJ	9.6	5.0	ug/L		04/17/21 07:44	04/20/21 14:52	1
4-Nitrophenol	ND		9.6	2.0	ug/L		04/17/21 07:44	04/20/21 14:52	1
N-Nitrosodimethylamine	ND		9.6	3.3	ug/L		04/17/21 07:44	04/20/21 14:52	1

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

Job ID: 400-201971-1

Client Sample ID: MW11-ROX-041221
Date Collected: 04/12/21 12:10
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-6
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		04/17/21 07:44	04/20/21 14:52	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		04/17/21 07:44	04/20/21 14:52	1
Pentachlorophenol	ND		19	1.3	ug/L		04/17/21 07:44	04/20/21 14:52	1
Phenol	ND		9.6	2.5	ug/L		04/17/21 07:44	04/20/21 14:52	1
Pyridine	ND		9.6	3.1	ug/L		04/17/21 07:44	04/20/21 14:52	1
Quinoline	ND		9.6	4.3	ug/L		04/17/21 07:44	04/20/21 14:52	1
2,4,5-Trichlorophenol	ND	*- UJ	9.6	3.5	ug/L		04/17/21 07:44	04/20/21 14:52	1
2,4,6-Trichlorophenol	ND	*- UJ	9.6	3.3	ug/L		04/17/21 07:44	04/20/21 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*46 - 124*	*04/17/21 07:44*	*04/20/21 14:52*	*1*
2-Fluorophenol	*28*		*13 - 113*	*04/17/21 07:44*	*04/20/21 14:52*	*1*
Nitrobenzene-d5	*67*		*36 - 126*	*04/17/21 07:44*	*04/20/21 14:52*	*1*
Phenol-d5	*55*		*17 - 127*	*04/17/21 07:44*	*04/20/21 14:52*	*1*
Terphenyl-d14	*81*		*44 - 149*	*04/17/21 07:44*	*04/20/21 14:52*	*1*
2,4,6-Tribromophenol	*63*		*26 - 150*	*04/17/21 07:44*	*04/20/21 14:52*	*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		0.030	0.0054	ug/L		04/21/21 12:16	04/21/21 17:01	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		04/21/21 12:16	04/21/21 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*	*p*	*51 - 149*	*04/21/21 12:16*	*04/21/21 17:01*	*1*

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

Job ID: 400-201971-1

Client Sample ID: MW12-ROX-041221
Date Collected: 04/12/21 13:00
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-7
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			04/25/21 09:03	1
Acrolein	ND		20	10	ug/L			04/25/21 09:03	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/25/21 09:03	1
Benzene	ND		1.0	0.38	ug/L			04/25/21 09:03	1
Bromobenzene	ND		1.0	0.54	ug/L			04/25/21 09:03	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/25/21 09:03	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/25/21 09:03	1
Bromoform	ND		5.0	0.71	ug/L			04/25/21 09:03	1
Bromomethane	ND		1.0	0.98	ug/L			04/25/21 09:03	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/25/21 09:03	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/25/21 09:03	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/25/21 09:03	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/25/21 09:03	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/25/21 09:03	1
Chloroethane	ND		1.0	0.76	ug/L			04/25/21 09:03	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			04/25/21 09:03	1
Chloroform	ND		1.0	0.60	ug/L			04/25/21 09:03	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/25/21 09:03	1
Chloromethane	ND		1.0	0.83	ug/L			04/25/21 09:03	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.50	ug/L			04/25/21 09:03	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/25/21 09:03	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/25/21 09:03	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/25/21 09:03	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/25/21 09:03	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/25/21 09:03	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/25/21 09:03	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/25/21 09:03	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/25/21 09:03	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/21 09:03	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/25/21 09:03	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/21 09:03	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/25/21 09:03	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/25/21 09:03	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/25/21 09:03	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/25/21 09:03	1
2-Hexanone	ND		25	3.1	ug/L			04/25/21 09:03	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/25/21 09:03	1
Methylene bromide	ND		5.0	0.59	ug/L			04/25/21 09:03	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/25/21 09:03	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/25/21 09:03	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/25/21 09:03	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/25/21 09:03	1
Naphthalene	ND		1.0	1.0	ug/L			04/25/21 09:03	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/25/21 09:03	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/25/21 09:03	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/25/21 09:03	1
o-Xylene	ND		5.0	0.60	ug/L			04/25/21 09:03	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/25/21 09:03	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/25/21 09:03	1

Client Sample ID: MW12-ROX-041221
Date Collected: 04/12/21 13:00
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-7
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			04/25/21 09:03	1
Styrene	ND		1.0	1.0	ug/L			04/25/21 09:03	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/25/21 09:03	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/25/21 09:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/25/21 09:03	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/25/21 09:03	1
Toluene	ND		1.0	0.41	ug/L			04/25/21 09:03	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/25/21 09:03	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/25/21 09:03	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/25/21 09:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/25/21 09:03	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/25/21 09:03	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/25/21 09:03	1
Trichloroethene	ND		1.0	0.50	ug/L			04/25/21 09:03	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/25/21 09:03	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/25/21 09:03	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/25/21 09:03	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/25/21 09:03	1
Vinyl acetate	ND		25	2.0	ug/L			04/25/21 09:03	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/25/21 09:03	1
Xylenes, Total	ND		10	1.6	ug/L			04/25/21 09:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*04/25/21 09:03*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*04/25/21 09:03*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/25/21 09:03*	*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		04/16/21 09:34	04/20/21 19:07	1
Acenaphthene	ND	H UJ	0.19	0.031	ug/L		04/26/21 13:34	04/28/21 16:30	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/16/21 09:34	04/20/21 19:07	1
Acenaphthylene	ND	H UJ	0.19	0.043	ug/L		04/26/21 13:34	04/28/21 16:30	1
Anthracene	ND		0.19	0.031	ug/L		04/16/21 09:34	04/20/21 19:07	1
Anthracene	ND	H UJ	0.19	0.031	ug/L		04/26/21 13:34	04/28/21 16:30	1
Benzo[a]anthracene	ND	*- F1	0.19	0.044	ug/L		04/16/21 09:34	04/20/21 19:07	1
Benzo[a]anthracene	ND	H UJ	0.19	0.044	ug/L		04/26/21 13:34	04/28/21 16:30	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/16/21 09:34	04/20/21 19:07	1
Benzo[a]pyrene	ND	H UJ	0.19	0.040	ug/L		04/26/21 13:34	04/28/21 16:30	1
Benzo[b]fluoranthene	ND	*-	0.19	0.033	ug/L		04/16/21 09:34	04/20/21 19:07	1
Benzo[b]fluoranthene	ND	H UJ	0.19	0.032	ug/L		04/26/21 13:34	04/28/21 16:30	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/16/21 09:34	04/20/21 19:07	1
Benzo[g,h,i]perylene	ND	H UJ	0.19	0.12	ug/L		04/26/21 13:34	04/28/21 16:30	1
Benzo[k]fluoranthene	ND	*-	0.19	0.096	ug/L		04/16/21 09:34	04/20/21 19:07	1
Benzo[k]fluoranthene	ND	H UJ	0.19	0.095	ug/L		04/26/21 13:34	04/28/21 16:30	1
Chrysene	ND	*- F1	0.19	0.071	ug/L		04/16/21 09:34	04/20/21 19:07	1
Chrysene	ND	H UJ	0.19	0.071	ug/L		04/26/21 13:34	04/28/21 16:30	1
Dibenz(a,h)anthracene	ND	F1 *-	0.19	0.048	ug/L		04/16/21 09:34	04/20/21 19:07	1
Dibenz(a,h)anthracene	ND	H UJ	0.19	0.048	ug/L		04/26/21 13:34	04/28/21 16:30	1
Fluoranthene	ND		0.19	0.065	ug/L		04/16/21 09:34	04/20/21 19:07	1

Client Sample ID: MW12-ROX-041221
Date Collected: 04/12/21 13:00
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-7
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
Fluoranthene	ND	H UJ	0.19	0.065	ug/L		04/26/21 13:34	04/28/21 16:30	1
Fluorene	ND		0.19	0.11	ug/L		04/16/21 09:34	04/20/21 19:07	1
Fluorene	ND	H UJ	0.19	0.11	ug/L		04/26/21 13:34	04/28/21 16:30	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/16/21 09:34	04/20/21 19:07	1
Indeno[1,2,3-cd]pyrene	ND	H UJ	0.19	0.041	ug/L		04/26/21 13:34	04/28/21 16:30	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/16/21 09:34	04/20/21 19:07	1
1-Methylnaphthalene	ND	H UJ	0.19	0.071	ug/L		04/26/21 13:34	04/28/21 16:30	1
2-Methylnaphthalene	ND		0.19	0.058	ug/L		04/16/21 09:34	04/20/21 19:07	1
2-Methylnaphthalene	ND	H UJ	0.19	0.057	ug/L		04/26/21 13:34	04/28/21 16:30	1
Phenanthrene	ND		0.19	0.035	ug/L		04/16/21 09:34	04/20/21 19:07	1
Phenanthrene	ND	H UJ	0.19	0.034	ug/L		04/26/21 13:34	04/28/21 16:30	1
Pyrene	ND		0.19	0.038	ug/L		04/16/21 09:34	04/20/21 19:07	1
Pyrene	ND	H UJ	0.19	0.038	ug/L		04/26/21 13:34	04/28/21 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*15 - 122*	*04/16/21 09:34*	*04/20/21 19:07*	*1*
2-Fluorobiphenyl	*79*		*15 - 122*	*04/26/21 13:34*	*04/28/21 16:30*	*1*
Nitrobenzene-d5	*25*		*19 - 130*	*04/16/21 09:34*	*04/20/21 19:07*	*1*
Nitrobenzene-d5	*38*		*19 - 130*	*04/26/21 13:34*	*04/28/21 16:30*	*1*
Terphenyl-d14	*79*		*33 - 138*	*04/16/21 09:34*	*04/20/21 19:07*	*1*
Terphenyl-d14	*93*		*33 - 138*	*04/26/21 13:34*	*04/28/21 16:30*	*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		04/16/21 09:34	04/20/21 15:13	1
Benzenethiol	ND	*1 *- UJ	9.6	1.6	ug/L		04/16/21 09:34	04/20/21 15:13	1
Benzoic acid	ND	*1	29	7.0	ug/L		04/16/21 09:34	04/20/21 15:13	1
Benzyl alcohol	ND		9.6	1.9	ug/L		04/16/21 09:34	04/20/21 15:13	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		04/16/21 09:34	04/20/21 15:13	1
Bis(2-chloroethyl)ether	ND	F1 UJ	9.6	2.6	ug/L		04/16/21 09:34	04/20/21 15:13	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		04/16/21 09:34	04/20/21 15:13	1
Bis(2-ethylhexyl) phthalate	ND		9.6	4.8	ug/L		04/16/21 09:34	04/20/21 15:13	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		04/16/21 09:34	04/20/21 15:13	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		04/16/21 09:34	04/20/21 15:13	1
4-Chloroaniline	ND		9.6	3.3	ug/L		04/16/21 09:34	04/20/21 15:13	1
4-Chloro-3-methylphenol	ND		9.6	3.6	ug/L		04/16/21 09:34	04/20/21 15:13	1
2-Chloronaphthalene	ND	F1 UJ	9.6	0.13	ug/L		04/16/21 09:34	04/20/21 15:13	1
2-Chlorophenol	ND	*-	9.6	2.1	ug/L		04/16/21 09:34	04/20/21 15:13	1
4-Chlorophenyl phenyl ether	ND	F1 UJ	9.6	1.9	ug/L		04/16/21 09:34	04/20/21 15:13	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		04/16/21 09:34	04/20/21 15:13	1
Dibenzofuran	ND		9.6	0.16	ug/L		04/16/21 09:34	04/20/21 15:13	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		04/16/21 09:34	04/20/21 15:13	1
2,4-Dichlorophenol	ND	*-	9.6	2.9	ug/L		04/16/21 09:34	04/20/21 15:13	1
Diethyl phthalate	ND		9.6	0.23	ug/L		04/16/21 09:34	04/20/21 15:13	1
2,4-Dimethylphenol	ND		9.6	3.4	ug/L		04/16/21 09:34	04/20/21 15:13	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		04/16/21 09:34	04/20/21 15:13	1
Di-n-butyl phthalate	ND	F1 UJ	9.6	2.6	ug/L		04/16/21 09:34	04/20/21 15:13	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		04/16/21 09:34	04/20/21 15:13	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/16/21 09:34	04/20/21 15:13	1
2,4-Dinitrotoluene	ND	F1 UJ	9.6	1.8	ug/L		04/16/21 09:34	04/20/21 15:13	1

Client Sample ID: MW12-ROX-041221
Date Collected: 04/12/21 13:00
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		04/16/21 09:34	04/20/21 15:13	1
Di-n-octyl phthalate	ND		9.6	0.16	ug/L		04/16/21 09:34	04/20/21 15:13	1
1,4-Dioxane	ND	F1 UJ	9.6	0.96	ug/L		04/16/21 09:34	04/20/21 15:13	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	F1 UJ	9.6	0.96	ug/L		04/16/21 09:34	04/20/21 15:13	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		04/16/21 09:34	04/20/21 15:13	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/16/21 09:34	04/20/21 15:13	1
Hexachloroethane	ND		9.6	4.0	ug/L		04/16/21 09:34	04/20/21 15:13	1
Indene	ND		9.6	0.96	ug/L		04/16/21 09:34	04/20/21 15:13	1
Isophorone	ND	F1 UJ	9.6	0.13	ug/L		04/16/21 09:34	04/20/21 15:13	1
2-Methylphenol	ND	*-	9.6	1.7	ug/L		04/16/21 09:34	04/20/21 15:13	1
3 & 4 Methylphenol	ND	*-	19	0.37	ug/L		04/16/21 09:34	04/20/21 15:13	1
2-Nitroaniline	ND	F1 UJ	9.6	2.1	ug/L		04/16/21 09:34	04/20/21 15:13	1
3-Nitroaniline	ND		9.6	1.7	ug/L		04/16/21 09:34	04/20/21 15:13	1
4-Nitroaniline	ND		9.6	1.4	ug/L		04/16/21 09:34	04/20/21 15:13	1
Nitrobenzene	ND		9.6	0.12	ug/L		04/16/21 09:34	04/20/21 15:13	1
2-Nitrophenol	ND	*-	9.6	5.0	ug/L		04/16/21 09:34	04/20/21 15:13	1
4-Nitrophenol	ND		9.6	2.0	ug/L		04/16/21 09:34	04/20/21 15:13	1
N-Nitrosodimethylamine	ND		9.6	3.4	ug/L		04/16/21 09:34	04/20/21 15:13	1
N-Nitrosodi-n-propylamine	ND		9.6	3.2	ug/L		04/16/21 09:34	04/20/21 15:13	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		04/16/21 09:34	04/20/21 15:13	1
Pentachlorophenol	ND		19	1.3	ug/L		04/16/21 09:34	04/20/21 15:13	1
Phenol	ND		9.6	2.5	ug/L		04/16/21 09:34	04/20/21 15:13	1
Pyridine	ND		9.6	3.1	ug/L		04/16/21 09:34	04/20/21 15:13	1
Quinoline	ND		9.6	4.3	ug/L		04/16/21 09:34	04/20/21 15:13	1
2,4,5-Trichlorophenol	ND	*-	9.6	3.5	ug/L		04/16/21 09:34	04/20/21 15:13	1
2,4,6-Trichlorophenol	ND	*-	9.6	3.4	ug/L		04/16/21 09:34	04/20/21 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*46 - 124*	*04/16/21 09:34*	*04/20/21 15:13*	*1*
2-Fluorophenol	*18*		*13 - 113*	*04/16/21 09:34*	*04/20/21 15:13*	*1*
Nitrobenzene-d5	*61*		*36 - 126*	*04/16/21 09:34*	*04/20/21 15:13*	*1*
Phenol-d5	*44*		*17 - 127*	*04/16/21 09:34*	*04/20/21 15:13*	*1*
Terphenyl-d14	*71*		*44 - 149*	*04/16/21 09:34*	*04/20/21 15:13*	*1*
2,4,6-Tribromophenol	*46*		*26 - 150*	*04/16/21 09:34*	*04/20/21 15:13*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND	H UJ	9.5	2.1	ug/L		04/26/21 13:34	04/28/21 16:33	1
2,4-Dichlorophenol	ND	H	9.5	2.9	ug/L		04/26/21 13:34	04/28/21 16:33	1
2-Methylphenol	ND	H	9.5	1.7	ug/L		04/26/21 13:34	04/28/21 16:33	1
3 & 4 Methylphenol	ND	H	19	0.37	ug/L		04/26/21 13:34	04/28/21 16:33	1
2-Nitrophenol	ND	H	9.5	5.0	ug/L		04/26/21 13:34	04/28/21 16:33	1
2,4,5-Trichlorophenol	ND	H	9.5	3.5	ug/L		04/26/21 13:34	04/28/21 16:33	1
2,4,6-Trichlorophenol	ND	H	9.5	3.3	ug/L		04/26/21 13:34	04/28/21 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*46 - 124*	*04/26/21 13:34*	*04/28/21 16:33*	*1*
2-Fluorophenol	*61*		*13 - 113*	*04/26/21 13:34*	*04/28/21 16:33*	*1*
Nitrobenzene-d5	*61*		*36 - 126*	*04/26/21 13:34*	*04/28/21 16:33*	*1*

Client Sample ID: MW12-ROX-041221
Date Collected: 04/12/21 13:00
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	62		17 - 127	04/26/21 13:34	04/28/21 16:33	1
Terphenyl-d14	89		44 - 149	04/26/21 13:34	04/28/21 16:33	1
2,4,6-Tribromophenol	62		26 - 150	04/26/21 13:34	04/28/21 16:33	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	F2	0.030	0.0055	ug/L		04/21/21 12:16	04/21/21 17:21	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/21/21 12:16	04/21/21 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96	p	51 - 149	04/21/21 12:16	04/21/21 17:21	1

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

Job ID: 400-201971-1

Client Sample ID: TB-ROX-041221-8011-B
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-8
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		0.030	0.0055	ug/L		04/21/21 12:16	04/21/21 18:20	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/21/21 12:16	04/21/21 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*	*p*	*51 - 149*	*04/21/21 12:16*	*04/21/21 18:20*	*1*

Client Sample ID: TB-ROX-041221-8260-B
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-9
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			04/25/21 09:26	1
Acrolein	ND		20	10	ug/L			04/25/21 09:26	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/25/21 09:26	1
Benzene	ND		1.0	0.38	ug/L			04/25/21 09:26	1
Bromobenzene	ND		1.0	0.54	ug/L			04/25/21 09:26	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/25/21 09:26	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/25/21 09:26	1
Bromoform	ND		5.0	0.71	ug/L			04/25/21 09:26	1
Bromomethane	ND		1.0	0.98	ug/L			04/25/21 09:26	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/25/21 09:26	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/25/21 09:26	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/25/21 09:26	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/25/21 09:26	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/25/21 09:26	1
Chloroethane	ND		1.0	0.76	ug/L			04/25/21 09:26	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/25/21 09:26	1
Chloroform	ND		1.0	0.60	ug/L			04/25/21 09:26	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/25/21 09:26	1
Chloromethane	ND		1.0	0.83	ug/L			04/25/21 09:26	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.50	ug/L			04/25/21 09:26	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/25/21 09:26	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/25/21 09:26	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/25/21 09:26	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/25/21 09:26	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/25/21 09:26	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/25/21 09:26	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/25/21 09:26	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/25/21 09:26	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/21 09:26	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/25/21 09:26	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/21 09:26	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/25/21 09:26	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/25/21 09:26	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/25/21 09:26	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/25/21 09:26	1
2-Hexanone	ND		25	3.1	ug/L			04/25/21 09:26	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/25/21 09:26	1
Methylene bromide	ND		5.0	0.59	ug/L			04/25/21 09:26	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/25/21 09:26	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/25/21 09:26	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/25/21 09:26	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/25/21 09:26	1
Naphthalene	ND		1.0	1.0	ug/L			04/25/21 09:26	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/25/21 09:26	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/25/21 09:26	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/25/21 09:26	1
o-Xylene	ND		5.0	0.60	ug/L			04/25/21 09:26	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/25/21 09:26	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/25/21 09:26	1

Client Sample ID: TB-ROX-041221-8260-B
Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-9
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			04/25/21 09:26	1
Styrene	ND		1.0	1.0	ug/L			04/25/21 09:26	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/25/21 09:26	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/25/21 09:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/25/21 09:26	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/25/21 09:26	1
Toluene	ND		1.0	0.41	ug/L			04/25/21 09:26	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/25/21 09:26	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/25/21 09:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/25/21 09:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/25/21 09:26	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/25/21 09:26	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/25/21 09:26	1
Trichloroethene	ND		1.0	0.50	ug/L			04/25/21 09:26	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/25/21 09:26	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/25/21 09:26	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/25/21 09:26	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/25/21 09:26	1
Vinyl acetate	ND		25	2.0	ug/L			04/25/21 09:26	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/25/21 09:26	1
Xylenes, Total	ND		10	1.6	ug/L			04/25/21 09:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*04/25/21 09:26*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*04/25/21 09:26*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/25/21 09:26*	*1*

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

Job ID: 400-201971-1

Client Sample ID: P74-ROX-041221
Date Collected: 04/12/21 10:35
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-10
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			04/25/21 09:48	1
Acrolein	ND		20	10	ug/L			04/25/21 09:48	1
Acrylonitrile	ND	*+	10	2.8	ug/L			04/25/21 09:48	1
Benzene	ND		1.0	0.38	ug/L			04/25/21 09:48	1
Bromobenzene	ND		1.0	0.54	ug/L			04/25/21 09:48	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/25/21 09:48	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/25/21 09:48	1
Bromoform	ND		5.0	0.71	ug/L			04/25/21 09:48	1
Bromomethane	ND		1.0	0.98	ug/L			04/25/21 09:48	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/25/21 09:48	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/25/21 09:48	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/25/21 09:48	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/25/21 09:48	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/25/21 09:48	1
Chloroethane	ND		1.0	0.76	ug/L			04/25/21 09:48	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/25/21 09:48	1
Chloroform	ND		1.0	0.60	ug/L			04/25/21 09:48	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/25/21 09:48	1
Chloromethane	ND		1.0	0.83	ug/L			04/25/21 09:48	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.50	ug/L			04/25/21 09:48	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/25/21 09:48	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/25/21 09:48	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/25/21 09:48	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/25/21 09:48	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/25/21 09:48	1
1,1-Dichloroethane	ND	*+	1.0	0.50	ug/L			04/25/21 09:48	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/25/21 09:48	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/25/21 09:48	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/21 09:48	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/25/21 09:48	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/21 09:48	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/25/21 09:48	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/25/21 09:48	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/25/21 09:48	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/25/21 09:48	1
2-Hexanone	ND		25	3.1	ug/L			04/25/21 09:48	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/25/21 09:48	1
Methylene bromide	ND		5.0	0.59	ug/L			04/25/21 09:48	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/25/21 09:48	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/25/21 09:48	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/25/21 09:48	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/25/21 09:48	1
Naphthalene	ND		1.0	1.0	ug/L			04/25/21 09:48	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/25/21 09:48	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/25/21 09:48	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/25/21 09:48	1
o-Xylene	ND		5.0	0.60	ug/L			04/25/21 09:48	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/25/21 09:48	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/25/21 09:48	1

Client Sample ID: P74-ROX-041221
Date Collected: 04/12/21 10:35
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-10
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			04/25/21 09:48	1
Styrene	ND		1.0	1.0	ug/L			04/25/21 09:48	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/25/21 09:48	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/25/21 09:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/25/21 09:48	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/25/21 09:48	1
Toluene	ND		1.0	0.41	ug/L			04/25/21 09:48	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/25/21 09:48	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/25/21 09:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/25/21 09:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/25/21 09:48	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/25/21 09:48	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/25/21 09:48	1
Trichloroethene	ND		1.0	0.50	ug/L			04/25/21 09:48	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/25/21 09:48	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/25/21 09:48	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/25/21 09:48	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/25/21 09:48	1
Vinyl acetate	ND		25	2.0	ug/L			04/25/21 09:48	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/25/21 09:48	1
Xylenes, Total	ND		10	1.6	ug/L			04/25/21 09:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/25/21 09:48*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*04/25/21 09:48*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/25/21 09:48*	*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		0.20	0.033	ug/L		04/16/21 09:34	04/20/21 19:54	1
Acenaphthene	ND	H ~~UJ~~	0.20	0.033	ug/L		04/26/21 13:34	04/28/21 17:33	1
Acenaphthylene	ND		0.20	0.046	ug/L		04/16/21 09:34	04/20/21 19:54	1
Acenaphthylene	ND	H ~~UJ~~	0.20	0.046	ug/L		04/26/21 13:34	04/28/21 17:33	1
Anthracene	ND		0.20	0.033	ug/L		04/16/21 09:34	04/20/21 19:54	1
Anthracene	ND	H ~~UJ~~	0.20	0.033	ug/L		04/26/21 13:34	04/28/21 17:33	1
Benzo[a]anthracene	ND	*- UJ	0.20	0.047	ug/L		04/16/21 09:34	04/20/21 19:54	1
Benzo[a]anthracene	ND	H ~~UJ~~	0.20	0.047	ug/L		04/26/21 13:34	04/28/21 17:33	1
Benzo[a]pyrene	ND		0.20	0.043	ug/L		04/16/21 09:34	04/20/21 19:54	1
Benzo[a]pyrene	ND	H ~~UJ~~	0.20	0.043	ug/L		04/26/21 13:34	04/28/21 17:33	1
Benzo[b]fluoranthene	ND	*- UJ	0.20	0.035	ug/L		04/16/21 09:34	04/20/21 19:54	1
Benzo[b]fluoranthene	ND	H ~~UJ~~	0.20	0.035	ug/L		04/26/21 13:34	04/28/21 17:33	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/16/21 09:34	04/20/21 19:54	1
Benzo[g,h,i]perylene	ND	H ~~UJ~~	0.20	0.13	ug/L		04/26/21 13:34	04/28/21 17:33	1
Benzo[k]fluoranthene	ND	*- UJ	0.20	0.10	ug/L		04/16/21 09:34	04/20/21 19:54	1
Benzo[k]fluoranthene	ND	H ~~UJ~~	0.20	0.10	ug/L		04/26/21 13:34	04/28/21 17:33	1
Chrysene	ND	*- UJ	0.20	0.076	ug/L		04/16/21 09:34	04/20/21 19:54	1
Chrysene	ND	H ~~UJ~~	0.20	0.075	ug/L		04/26/21 13:34	04/28/21 17:33	1
Dibenz(a,h)anthracene	ND	*-	0.20	0.051	ug/L		04/16/21 09:34	04/20/21 19:54	1
Dibenz(a,h)anthracene	ND	H ~~UJ~~	0.20	0.051	ug/L		04/26/21 13:34	04/28/21 17:33	1
Fluoranthene	ND		0.20	0.070	ug/L		04/16/21 09:34	04/20/21 19:54	1

Client Sample ID: P74-ROX-041221
Date Collected: 04/12/21 10:35
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-10
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
Fluoranthene	ND	H UJ	0.20	0.069	ug/L		04/26/21 13:34	04/28/21 17:33	1
Fluorene	ND		0.20	0.11	ug/L		04/16/21 09:34	04/20/21 19:54	1
Fluorene	ND	H UJ	0.20	0.11	ug/L		04/26/21 13:34	04/28/21 17:33	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.044	ug/L		04/16/21 09:34	04/20/21 19:54	1
Indeno[1,2,3-cd]pyrene	ND	H UJ	0.20	0.044	ug/L		04/26/21 13:34	04/28/21 17:33	1
1-Methylnaphthalene	ND		0.20	0.076	ug/L		04/16/21 09:34	04/20/21 19:54	1
1-Methylnaphthalene	ND	H UJ	0.20	0.075	ug/L		04/26/21 13:34	04/28/21 17:33	1
2-Methylnaphthalene	ND		0.20	0.061	ug/L		04/16/21 09:34	04/20/21 19:54	1
2-Methylnaphthalene	ND	H UJ	0.20	0.061	ug/L		04/26/21 13:34	04/28/21 17:33	1
Phenanthrene	**0.040**	J	0.20	0.037	ug/L		04/16/21 09:34	04/20/21 19:54	1
Phenanthrene	ND	H UJ	0.20	0.037	ug/L		04/26/21 13:34	04/28/21 17:33	1
Pyrene	**0.049**	J	0.20	0.041	ug/L		04/16/21 09:34	04/20/21 19:54	1
Pyrene	ND	H UJ	0.20	0.041	ug/L		04/26/21 13:34	04/28/21 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*15 - 122*	*04/16/21 09:34*	*04/20/21 19:54*	*1*
2-Fluorobiphenyl	*94*		*15 - 122*	*04/26/21 13:34*	*04/28/21 17:33*	*1*
Nitrobenzene-d5	*41*		*19 - 130*	*04/16/21 09:34*	*04/20/21 19:54*	*1*
Nitrobenzene-d5	*47*		*19 - 130*	*04/26/21 13:34*	*04/28/21 17:33*	*1*
Terphenyl-d14	*88*		*33 - 138*	*04/16/21 09:34*	*04/20/21 19:54*	*1*
Terphenyl-d14	*104*		*33 - 138*	*04/26/21 13:34*	*04/28/21 17:33*	*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		04/16/21 09:34	04/20/21 16:17	1
Benzenethiol	ND	*1 *- UJ	10	1.7	ug/L		04/16/21 09:34	04/20/21 16:17	1
Benzoic acid	ND	*1	31	7.5	ug/L		04/16/21 09:34	04/20/21 16:17	1
Benzyl alcohol	ND		10	2.0	ug/L		04/16/21 09:34	04/20/21 16:17	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/16/21 09:34	04/20/21 16:17	1
Bis(2-chloroethyl)ether	ND		10	2.8	ug/L		04/16/21 09:34	04/20/21 16:17	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/16/21 09:34	04/20/21 16:17	1
Bis(2-ethylhexyl) phthalate	ND		10	5.1	ug/L		04/16/21 09:34	04/20/21 16:17	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/16/21 09:34	04/20/21 16:17	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/16/21 09:34	04/20/21 16:17	1
4-Chloroaniline	ND		10	3.5	ug/L		04/16/21 09:34	04/20/21 16:17	1
4-Chloro-3-methylphenol	ND		10	3.9	ug/L		04/16/21 09:34	04/20/21 16:17	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/16/21 09:34	04/20/21 16:17	1
2-Chlorophenol	ND	*-	10	2.3	ug/L		04/16/21 09:34	04/20/21 16:17	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/16/21 09:34	04/20/21 16:17	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 16:17	1
Dibenzofuran	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 16:17	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		04/16/21 09:34	04/20/21 16:17	1
2,4-Dichlorophenol	ND	*-	10	3.1	ug/L		04/16/21 09:34	04/20/21 16:17	1
Diethyl phthalate	**0.52**	J	10	0.25	ug/L		04/16/21 09:34	04/20/21 16:17	1
2,4-Dimethylphenol	ND		10	3.6	ug/L		04/16/21 09:34	04/20/21 16:17	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 16:17	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		04/16/21 09:34	04/20/21 16:17	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/16/21 09:34	04/20/21 16:17	1
2,4-Dinitrophenol	ND		31	3.5	ug/L		04/16/21 09:34	04/20/21 16:17	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/16/21 09:34	04/20/21 16:17	1

Client Sample ID: P74-ROX-041221
Date Collected: 04/12/21 10:35
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/16/21 09:34	04/20/21 16:17	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 16:17	1
1,4-Dioxane	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 16:17	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 16:17	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 16:17	1
Hexachlorocyclopentadiene	ND		20	2.7	ug/L		04/16/21 09:34	04/20/21 16:17	1
Hexachloroethane	ND		10	4.3	ug/L		04/16/21 09:34	04/20/21 16:17	1
Indene	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 16:17	1
Isophorone	ND		10	0.14	ug/L		04/16/21 09:34	04/20/21 16:17	1
2-Methylphenol	ND	*-	10	1.8	ug/L		04/16/21 09:34	04/20/21 16:17	1
3 & 4 Methylphenol	ND	*-	20	0.40	ug/L		04/16/21 09:34	04/20/21 16:17	1
2-Nitroaniline	ND		10	2.3	ug/L		04/16/21 09:34	04/20/21 16:17	1
3-Nitroaniline	ND		10	1.8	ug/L		04/16/21 09:34	04/20/21 16:17	1
4-Nitroaniline	ND		10	1.5	ug/L		04/16/21 09:34	04/20/21 16:17	1
Nitrobenzene	ND		10	0.13	ug/L		04/16/21 09:34	04/20/21 16:17	1
2-Nitrophenol	ND	*-	10	5.3	ug/L		04/16/21 09:34	04/20/21 16:17	1
4-Nitrophenol	ND		10	2.1	ug/L		04/16/21 09:34	04/20/21 16:17	1
N-Nitrosodimethylamine	ND		10	3.6	ug/L		04/16/21 09:34	04/20/21 16:17	1
N-Nitrosodi-n-propylamine	ND		10	3.4	ug/L		04/16/21 09:34	04/20/21 16:17	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/16/21 09:34	04/20/21 16:17	1
Pentachlorophenol	ND		20	1.4	ug/L		04/16/21 09:34	04/20/21 16:17	1
Phenol	ND		10	2.7	ug/L		04/16/21 09:34	04/20/21 16:17	1
Pyridine	ND		10	3.3	ug/L		04/16/21 09:34	04/20/21 16:17	1
Quinoline	ND		10	4.6	ug/L		04/16/21 09:34	04/20/21 16:17	1
2,4,5-Trichlorophenol	ND	*-	10	3.8	ug/L		04/16/21 09:34	04/20/21 16:17	1
2,4,6-Trichlorophenol	ND	*-	10	3.6	ug/L		04/16/21 09:34	04/20/21 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*46 - 124*	*04/16/21 09:34*	*04/20/21 16:17*	*1*
2-Fluorophenol	*46*		*13 - 113*	*04/16/21 09:34*	*04/20/21 16:17*	*1*
Nitrobenzene-d5	*68*		*36 - 126*	*04/16/21 09:34*	*04/20/21 16:17*	*1*
Phenol-d5	*64*		*17 - 127*	*04/16/21 09:34*	*04/20/21 16:17*	*1*
Terphenyl-d14	*71*		*44 - 149*	*04/16/21 09:34*	*04/20/21 16:17*	*1*
2,4,6-Tribromophenol	*66*		*26 - 150*	*04/16/21 09:34*	*04/20/21 16:17*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND	H	10	2.2	ug/L		04/26/21 13:34	04/28/21 17:59	1
2,4-Dichlorophenol	ND	H	10	3.0	ug/L		04/26/21 13:34	04/28/21 17:59	1
2-Methylphenol	ND	H	10	1.8	ug/L		04/26/21 13:34	04/28/21 17:59	1
3 & 4 Methylphenol	ND	H	20	0.40	ug/L		04/26/21 13:34	04/28/21 17:59	1
2-Nitrophenol	ND	H	10	5.3	ug/L		04/26/21 13:34	04/28/21 17:59	1
2,4,5-Trichlorophenol	ND	H	10	3.8	ug/L		04/26/21 13:34	04/28/21 17:59	1
2,4,6-Trichlorophenol	ND	H	10	3.6	ug/L		04/26/21 13:34	04/28/21 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*46 - 124*	*04/26/21 13:34*	*04/28/21 17:59*	*1*
2-Fluorophenol	*75*		*13 - 113*	*04/26/21 13:34*	*04/28/21 17:59*	*1*
Nitrobenzene-d5	*71*		*36 - 126*	*04/26/21 13:34*	*04/28/21 17:59*	*1*

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

Job ID: 400-201971-1

Client Sample ID: P74-ROX-041221
Date Collected: 04/12/21 10:35
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-10
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*81*		*17 - 127*	*04/26/21 13:34*	*04/28/21 17:59*	*1*
Terphenyl-d14	*93*		*44 - 149*	*04/26/21 13:34*	*04/28/21 17:59*	*1*
2,4,6-Tribromophenol	*88*		*26 - 150*	*04/26/21 13:34*	*04/28/21 17:59*	*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		0.031	0.0056	ug/L		04/21/21 12:16	04/21/21 18:40	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		04/21/21 12:16	04/21/21 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*89*	*p*	*51 - 149*	*04/21/21 12:16*	*04/21/21 18:40*	*1*

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

Job ID: 400-201971-1

Client Sample ID: P57-ROX-041221
Date Collected: 04/12/21 11:40
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130	50	ug/L			04/25/21 11:20	5
Acrolein	ND		100	50	ug/L			04/25/21 11:20	5
Acrylonitrile	ND	*+	50	14	ug/L			04/25/21 11:20	5
Benzene	**790**		5.0	1.9	ug/L			04/25/21 11:20	5
Bromobenzene	ND		5.0	2.7	ug/L			04/25/21 11:20	5
Bromochloromethane	ND		5.0	2.6	ug/L			04/25/21 11:20	5
Bromodichloromethane	ND		5.0	2.5	ug/L			04/25/21 11:20	5
Bromoform	ND		25	3.6	ug/L			04/25/21 11:20	5
Bromomethane	ND		5.0	4.9	ug/L			04/25/21 11:20	5
2-Butanone (MEK)	ND		130	13	ug/L			04/25/21 11:20	5
Carbon disulfide	**3.2**	**J**	5.0	2.5	ug/L			04/25/21 11:20	5
Carbon tetrachloride	ND		5.0	2.5	ug/L			04/25/21 11:20	5
Chlorobenzene	ND		5.0	2.5	ug/L			04/25/21 11:20	5
Dibromochloromethane	ND		5.0	2.5	ug/L			04/25/21 11:20	5
Chloroethane	ND		5.0	3.8	ug/L			04/25/21 11:20	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			04/25/21 11:20	5
Chloroform	ND		5.0	3.0	ug/L			04/25/21 11:20	5
1-Chlorohexane	ND		5.0	3.5	ug/L			04/25/21 11:20	5
Chloromethane	ND		5.0	4.2	ug/L			04/25/21 11:20	5
cis-1,2-Dichloroethene	ND	*+	5.0	2.5	ug/L			04/25/21 11:20	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			04/25/21 11:20	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			04/25/21 11:20	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			04/25/21 11:20	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			04/25/21 11:20	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			04/25/21 11:20	5
1,1-Dichloroethane	ND	*+	5.0	2.5	ug/L			04/25/21 11:20	5
1,2-Dichloroethane	ND		5.0	2.5	ug/L			04/25/21 11:20	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			04/25/21 11:20	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			04/25/21 11:20	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			04/25/21 11:20	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			04/25/21 11:20	5
1,1-Dichloropropene	ND		5.0	2.5	ug/L			04/25/21 11:20	5
Ethylbenzene	**2.5**	**J**	5.0	2.5	ug/L			04/25/21 11:20	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			04/25/21 11:20	5
Hexachlorobutadiene	ND		25	4.5	ug/L			04/25/21 11:20	5
2-Hexanone	ND		130	16	ug/L			04/25/21 11:20	5
Isopropylbenzene	**22**		5.0	2.7	ug/L			04/25/21 11:20	5
Methylene bromide	ND		25	3.0	ug/L			04/25/21 11:20	5
Methylene Chloride	ND		25	15	ug/L			04/25/21 11:20	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			04/25/21 11:20	5
Methyl tert-butyl ether	ND		5.0	3.7	ug/L			04/25/21 11:20	5
m-Xylene & p-Xylene	ND		25	8.0	ug/L			04/25/21 11:20	5
Naphthalene	**46**		5.0	5.0	ug/L			04/25/21 11:20	5
n-Butylbenzene	ND		5.0	3.8	ug/L			04/25/21 11:20	5
N-Propylbenzene	**25**		5.0	3.5	ug/L			04/25/21 11:20	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			04/25/21 11:20	5
o-Xylene	ND		25	3.0	ug/L			04/25/21 11:20	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			04/25/21 11:20	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			04/25/21 11:20	5

Client Sample ID: P57-ROX-041221
Date Collected: 04/12/21 11:40
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**4.9**	J	5.0	3.5	ug/L			04/25/21 11:20	5
Styrene	ND		5.0	5.0	ug/L			04/25/21 11:20	5
tert-Butylbenzene	**5.1**		5.0	3.2	ug/L			04/25/21 11:20	5
1,1,1,2-Tetrachloroethane	ND		5.0	2.6	ug/L			04/25/21 11:20	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			04/25/21 11:20	5
Tetrachloroethene	ND		5.0	2.9	ug/L			04/25/21 11:20	5
Toluene	**5.0**		5.0	2.1	ug/L			04/25/21 11:20	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			04/25/21 11:20	5
trans-1,3-Dichloropropene	ND		25	2.5	ug/L			04/25/21 11:20	5
1,2,3-Trichlorobenzene	ND		5.0	3.5	ug/L			04/25/21 11:20	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			04/25/21 11:20	5
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			04/25/21 11:20	5
1,1,2-Trichloroethane	ND		25	2.5	ug/L			04/25/21 11:20	5
Trichloroethene	ND		5.0	2.5	ug/L			04/25/21 11:20	5
Trichlorofluoromethane	ND		5.0	2.6	ug/L			04/25/21 11:20	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			04/25/21 11:20	5
1,2,4-Trimethylbenzene	ND		5.0	4.1	ug/L			04/25/21 11:20	5
1,3,5-Trimethylbenzene	ND		5.0	2.8	ug/L			04/25/21 11:20	5
Vinyl acetate	ND		130	10	ug/L			04/25/21 11:20	5
Vinyl chloride	ND		5.0	2.5	ug/L			04/25/21 11:20	5
Xylenes, Total	ND		50	8.0	ug/L			04/25/21 11:20	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/25/21 11:20*	*5*
Dibromofluoromethane	*97*		*81 - 121*		*04/25/21 11:20*	*5*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/25/21 11:20*	*5*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.24**		0.21	0.034	ug/L		04/16/21 09:34	04/20/21 20:09	1
Acenaphthene	ND	H ~~UJ~~	0.21	0.034	ug/L		04/26/21 13:34	04/28/21 17:48	1
Acenaphthylene	ND		0.21	0.048	ug/L		04/16/21 09:34	04/20/21 20:09	1
Acenaphthylene	ND	H ~~UJ~~	0.21	0.048	ug/L		04/26/21 13:34	04/28/21 17:48	1
Anthracene	ND		0.21	0.034	ug/L		04/16/21 09:34	04/20/21 20:09	1
Anthracene	ND	H ~~UJ~~	0.21	0.034	ug/L		04/26/21 13:34	04/28/21 17:48	1
Benzo[a]anthracene	ND	*- UJ	0.21	0.049	ug/L		04/16/21 09:34	04/20/21 20:09	1
Benzo[a]anthracene	ND	H ~~UJ~~	0.21	0.049	ug/L		04/26/21 13:34	04/28/21 17:48	1
Benzo[a]pyrene	ND		0.21	0.045	ug/L		04/16/21 09:34	04/20/21 20:09	1
Benzo[a]pyrene	ND	H ~~UJ~~	0.21	0.045	ug/L		04/26/21 13:34	04/28/21 17:48	1
Benzo[b]fluoranthene	ND	*- UJ	0.21	0.036	ug/L		04/16/21 09:34	04/20/21 20:09	1
Benzo[b]fluoranthene	ND	H ~~UJ~~	0.21	0.036	ug/L		04/26/21 13:34	04/28/21 17:48	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		04/16/21 09:34	04/20/21 20:09	1
Benzo[g,h,i]perylene	ND	H ~~UJ~~	0.21	0.14	ug/L		04/26/21 13:34	04/28/21 17:48	1
Benzo[k]fluoranthene	ND	*- UJ	0.21	0.11	ug/L		04/16/21 09:34	04/20/21 20:09	1
Benzo[k]fluoranthene	ND	H ~~UJ~~	0.21	0.11	ug/L		04/26/21 13:34	04/28/21 17:48	1
Chrysene	ND	*- UJ	0.21	0.079	ug/L		04/16/21 09:34	04/20/21 20:09	1
Chrysene	ND	H ~~UJ~~	0.21	0.079	ug/L		04/26/21 13:34	04/28/21 17:48	1
Dibenz(a,h)anthracene	ND	*-	0.21	0.053	ug/L		04/16/21 09:34	04/20/21 20:09	1
Dibenz(a,h)anthracene	ND	H ~~UJ~~	0.21	0.053	ug/L		04/26/21 13:34	04/28/21 17:48	1
Fluoranthene	ND		0.21	0.072	ug/L		04/16/21 09:34	04/20/21 20:09	1

Client Sample ID: P57-ROX-041221
Date Collected: 04/12/21 11:40
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-11
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
Fluoranthene	ND	H UJ	0.21	0.072	ug/L		04/26/21 13:34	04/28/21 17:48	1
Fluorene	**0.54**		0.21	0.12	ug/L		04/16/21 09:34	04/20/21 20:09	1
Fluorene	ND	H UJ	0.21	0.12	ug/L		04/26/21 13:34	04/28/21 17:48	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.046	ug/L		04/16/21 09:34	04/20/21 20:09	1
Indeno[1,2,3-cd]pyrene	ND	H UJ	0.21	0.046	ug/L		04/26/21 13:34	04/28/21 17:48	1
1-Methylnaphthalene	**15**		0.21	0.079	ug/L		04/16/21 09:34	04/20/21 20:09	1
1-Methylnaphthalene	**1.6**	H J	0.21	0.079	ug/L		04/26/21 13:34	04/28/21 17:48	1
2-Methylnaphthalene	**17**		0.21	0.064	ug/L		04/16/21 09:34	04/20/21 20:09	1
2-Methylnaphthalene	**0.22**	H J	0.21	0.064	ug/L		04/26/21 13:34	04/28/21 17:48	1
Phenanthrene	**0.29**		0.21	0.038	ug/L		04/16/21 09:34	04/20/21 20:09	1
Phenanthrene	ND	H UJ	0.21	0.038	ug/L		04/26/21 13:34	04/28/21 17:48	1
Pyrene	**0.045**	J	0.21	0.042	ug/L		04/16/21 09:34	04/20/21 20:09	1
Pyrene	ND	H UJ	0.21	0.043	ug/L		04/26/21 13:34	04/28/21 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*15 - 122*	*04/16/21 09:34*	*04/20/21 20:09*	*1*
2-Fluorobiphenyl	*64*		*15 - 122*	*04/26/21 13:34*	*04/28/21 17:48*	*1*
Nitrobenzene-d5	*33*		*19 - 130*	*04/16/21 09:34*	*04/20/21 20:09*	*1*
Nitrobenzene-d5	*32*		*19 - 130*	*04/26/21 13:34*	*04/28/21 17:48*	*1*
Terphenyl-d14	*70*		*33 - 138*	*04/16/21 09:34*	*04/20/21 20:09*	*1*
Terphenyl-d14	*74*		*33 - 138*	*04/26/21 13:34*	*04/28/21 17:48*	*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		04/16/21 09:34	04/20/21 16:38	1
Benzenethiol	ND	*1 *- UJ	11	1.8	ug/L		04/16/21 09:34	04/20/21 16:38	1
Benzoic acid	ND	*1	32	7.7	ug/L		04/16/21 09:34	04/20/21 16:38	1
Benzyl alcohol	ND		11	2.1	ug/L		04/16/21 09:34	04/20/21 16:38	1
Bis(2-chloroethoxy)methane	ND		11	0.17	ug/L		04/16/21 09:34	04/20/21 16:38	1
Bis(2-chloroethyl)ether	ND		11	2.9	ug/L		04/16/21 09:34	04/20/21 16:38	1
bis (2-chloroisopropyl) ether	ND		11	0.17	ug/L		04/16/21 09:34	04/20/21 16:38	1
Bis(2-ethylhexyl) phthalate	ND		11	5.3	ug/L		04/16/21 09:34	04/20/21 16:38	1
4-Bromophenyl phenyl ether	ND		11	0.21	ug/L		04/16/21 09:34	04/20/21 16:38	1
Butyl benzyl phthalate	ND		11	0.20	ug/L		04/16/21 09:34	04/20/21 16:38	1
4-Chloroaniline	ND		11	3.6	ug/L		04/16/21 09:34	04/20/21 16:38	1
4-Chloro-3-methylphenol	ND		11	4.0	ug/L		04/16/21 09:34	04/20/21 16:38	1
2-Chloronaphthalene	ND		11	0.15	ug/L		04/16/21 09:34	04/20/21 16:38	1
2-Chlorophenol	ND	*-	11	2.3	ug/L		04/16/21 09:34	04/20/21 16:38	1
4-Chlorophenyl phenyl ether	ND		11	2.1	ug/L		04/16/21 09:34	04/20/21 16:38	1
Dibenz[a,h]acridine	ND		11	1.1	ug/L		04/16/21 09:34	04/20/21 16:38	1
Dibenzofuran	**0.19**	J	11	0.18	ug/L		04/16/21 09:34	04/20/21 16:38	1
3,3'-Dichlorobenzidine	ND		11	2.8	ug/L		04/16/21 09:34	04/20/21 16:38	1
2,4-Dichlorophenol	ND	*-	11	3.2	ug/L		04/16/21 09:34	04/20/21 16:38	1
Diethyl phthalate	ND		11	0.25	ug/L		04/16/21 09:34	04/20/21 16:38	1
2,4-Dimethylphenol	ND		11	3.7	ug/L		04/16/21 09:34	04/20/21 16:38	1
Dimethyl phthalate	ND		11	0.18	ug/L		04/16/21 09:34	04/20/21 16:38	1
Di-n-butyl phthalate	ND		11	2.9	ug/L		04/16/21 09:34	04/20/21 16:38	1
4,6-Dinitro-ortho-cresol	ND		11	1.7	ug/L		04/16/21 09:34	04/20/21 16:38	1
2,4-Dinitrophenol	ND		32	3.6	ug/L		04/16/21 09:34	04/20/21 16:38	1
2,4-Dinitrotoluene	ND		11	2.0	ug/L		04/16/21 09:34	04/20/21 16:38	1

Client Sample ID: P57-ROX-041221
Date Collected: 04/12/21 11:40
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-11
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		11	2.0	ug/L		04/16/21 09:34	04/20/21 16:38	1
Di-n-octyl phthalate	ND		11	0.18	ug/L		04/16/21 09:34	04/20/21 16:38	1
1,4-Dioxane	ND		11	1.1	ug/L		04/16/21 09:34	04/20/21 16:38	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		11	1.1	ug/L		04/16/21 09:34	04/20/21 16:38	1
Hexachlorobenzene	ND		11	0.18	ug/L		04/16/21 09:34	04/20/21 16:38	1
Hexachlorocyclopentadiene	ND		21	2.8	ug/L		04/16/21 09:34	04/20/21 16:38	1
Hexachloroethane	ND		11	4.5	ug/L		04/16/21 09:34	04/20/21 16:38	1
Indene	ND		11	1.1	ug/L		04/16/21 09:34	04/20/21 16:38	1
Isophorone	ND		11	0.15	ug/L		04/16/21 09:34	04/20/21 16:38	1
2-Methylphenol	ND	*-	11	1.9	ug/L		04/16/21 09:34	04/20/21 16:38	1
3 & 4 Methylphenol	ND	*-	21	0.41	ug/L		04/16/21 09:34	04/20/21 16:38	1
2-Nitroaniline	ND		11	2.3	ug/L		04/16/21 09:34	04/20/21 16:38	1
3-Nitroaniline	ND		11	1.9	ug/L		04/16/21 09:34	04/20/21 16:38	1
4-Nitroaniline	ND		11	1.6	ug/L		04/16/21 09:34	04/20/21 16:38	1
Nitrobenzene	ND		11	0.14	ug/L		04/16/21 09:34	04/20/21 16:38	1
2-Nitrophenol	ND	*-	11	5.5	ug/L		04/16/21 09:34	04/20/21 16:38	1
4-Nitrophenol	ND		11	2.2	ug/L		04/16/21 09:34	04/20/21 16:38	1
N-Nitrosodimethylamine	ND		11	3.7	ug/L		04/16/21 09:34	04/20/21 16:38	1
N-Nitrosodi-n-propylamine	ND		11	3.5	ug/L		04/16/21 09:34	04/20/21 16:38	1
N-Nitrosodiphenylamine	ND		11	0.19	ug/L		04/16/21 09:34	04/20/21 16:38	1
Pentachlorophenol	ND		21	1.5	ug/L		04/16/21 09:34	04/20/21 16:38	1
Phenol	38	J	11	2.8	ug/L		04/16/21 09:34	04/20/21 16:38	1
Pyridine	ND		11	3.4	ug/L		04/16/21 09:34	04/20/21 16:38	1
Quinoline	ND		11	4.8	ug/L		04/16/21 09:34	04/20/21 16:38	1
2,4,5-Trichlorophenol	ND	*-	11	3.9	ug/L		04/16/21 09:34	04/20/21 16:38	1
2,4,6-Trichlorophenol	ND	*-	11	3.7	ug/L		04/16/21 09:34	04/20/21 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*46 - 124*	*04/16/21 09:34*	*04/20/21 16:38*	*1*
2-Fluorophenol	*16*		*13 - 113*	*04/16/21 09:34*	*04/20/21 16:38*	*1*
Nitrobenzene-d5	*64*		*36 - 126*	*04/16/21 09:34*	*04/20/21 16:38*	*1*
Phenol-d5	*45*		*17 - 127*	*04/16/21 09:34*	*04/20/21 16:38*	*1*
Terphenyl-d14	*70*		*44 - 149*	*04/16/21 09:34*	*04/20/21 16:38*	*1*
2,4,6-Tribromophenol	*73*		*26 - 150*	*04/16/21 09:34*	*04/20/21 16:38*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND	H UJ	11	2.3	ug/L		04/26/21 13:34	04/28/21 18:20	1
2,4-Dichlorophenol	ND	H	11	3.2	ug/L		04/26/21 13:34	04/28/21 18:20	1
2-Methylphenol	ND	H	11	1.9	ug/L		04/26/21 13:34	04/28/21 18:20	1
3 & 4 Methylphenol	ND	H	21	0.41	ug/L		04/26/21 13:34	04/28/21 18:20	1
2-Nitrophenol	ND	H	11	5.5	ug/L		04/26/21 13:34	04/28/21 18:20	1
2,4,5-Trichlorophenol	ND	H	11	3.9	ug/L		04/26/21 13:34	04/28/21 18:20	1
2,4,6-Trichlorophenol	ND	H	11	3.7	ug/L		04/26/21 13:34	04/28/21 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*46 - 124*	*04/26/21 13:34*	*04/28/21 18:20*	*1*
2-Fluorophenol	*53*		*13 - 113*	*04/26/21 13:34*	*04/28/21 18:20*	*1*
Nitrobenzene-d5	*56*		*36 - 126*	*04/26/21 13:34*	*04/28/21 18:20*	*1*

Client Sample ID: P57-ROX-041221
Date Collected: 04/12/21 11:40
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-11
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	62		17 - 127	04/26/21 13:34	04/28/21 18:20	1
Terphenyl-d14	73		44 - 149	04/26/21 13:34	04/28/21 18:20	1
2,4,6-Tribromophenol	81		26 - 150	04/26/21 13:34	04/28/21 18:20	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		04/21/21 12:16	04/21/21 19:00	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/21/21 12:16	04/21/21 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	74	*p*	51 - 149	04/21/21 12:16	04/21/21 19:00	1

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

Job ID: 400-201971-1

Client Sample ID: P57-ROX-041221-DUP
Date Collected: 04/12/21 11:40
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-12
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130	50	ug/L			04/25/21 11:42	5
Acrolein	ND		100	50	ug/L			04/25/21 11:42	5
Acrylonitrile	ND	*+	50	14	ug/L			04/25/21 11:42	5
Benzene	**810**		5.0	1.9	ug/L			04/25/21 11:42	5
Bromobenzene	ND		5.0	2.7	ug/L			04/25/21 11:42	5
Bromochloromethane	ND		5.0	2.6	ug/L			04/25/21 11:42	5
Bromodichloromethane	ND		5.0	2.5	ug/L			04/25/21 11:42	5
Bromoform	ND		25	3.6	ug/L			04/25/21 11:42	5
Bromomethane	ND		5.0	4.9	ug/L			04/25/21 11:42	5
2-Butanone (MEK)	ND		130	13	ug/L			04/25/21 11:42	5
Carbon disulfide	**4.7**	J	5.0	2.5	ug/L			04/25/21 11:42	5
Carbon tetrachloride	ND		5.0	2.5	ug/L			04/25/21 11:42	5
Chlorobenzene	ND		5.0	2.5	ug/L			04/25/21 11:42	5
Dibromochloromethane	ND		5.0	2.5	ug/L			04/25/21 11:42	5
Chloroethane	ND		5.0	3.8	ug/L			04/25/21 11:42	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			04/25/21 11:42	5
Chloroform	ND		5.0	3.0	ug/L			04/25/21 11:42	5
1-Chlorohexane	ND		5.0	3.5	ug/L			04/25/21 11:42	5
Chloromethane	ND		5.0	4.2	ug/L			04/25/21 11:42	5
cis-1,2-Dichloroethene	ND	*+	5.0	2.5	ug/L			04/25/21 11:42	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			04/25/21 11:42	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			04/25/21 11:42	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			04/25/21 11:42	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			04/25/21 11:42	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			04/25/21 11:42	5
1,1-Dichloroethane	ND	*+	5.0	2.5	ug/L			04/25/21 11:42	5
1,2-Dichloroethane	ND		5.0	2.5	ug/L			04/25/21 11:42	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			04/25/21 11:42	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			04/25/21 11:42	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			04/25/21 11:42	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			04/25/21 11:42	5
1,1-Dichloropropene	ND		5.0	2.5	ug/L			04/25/21 11:42	5
Ethylbenzene	**2.9**	J	5.0	2.5	ug/L			04/25/21 11:42	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			04/25/21 11:42	5
Hexachlorobutadiene	ND		25	4.5	ug/L			04/25/21 11:42	5
2-Hexanone	ND		130	16	ug/L			04/25/21 11:42	5
Isopropylbenzene	**23**		5.0	2.7	ug/L			04/25/21 11:42	5
Methylene bromide	ND		25	3.0	ug/L			04/25/21 11:42	5
Methylene Chloride	ND		25	15	ug/L			04/25/21 11:42	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			04/25/21 11:42	5
Methyl tert-butyl ether	ND		5.0	3.7	ug/L			04/25/21 11:42	5
m-Xylene & p-Xylene	ND		25	8.0	ug/L			04/25/21 11:42	5
Naphthalene	**49**		5.0	5.0	ug/L			04/25/21 11:42	5
n-Butylbenzene	ND		5.0	3.8	ug/L			04/25/21 11:42	5
N-Propylbenzene	**27**		5.0	3.5	ug/L			04/25/21 11:42	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			04/25/21 11:42	5
o-Xylene	ND		25	3.0	ug/L			04/25/21 11:42	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			04/25/21 11:42	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			04/25/21 11:42	5

Client Sample ID: P57-ROX-041221-DUP
Date Collected: 04/12/21 11:40
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-12
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**5.2**		5.0	3.5	ug/L			04/25/21 11:42	5
Styrene	ND		5.0	5.0	ug/L			04/25/21 11:42	5
tert-Butylbenzene	**5.0**		5.0	3.2	ug/L			04/25/21 11:42	5
1,1,1,2-Tetrachloroethane	ND		5.0	2.6	ug/L			04/25/21 11:42	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			04/25/21 11:42	5
Tetrachloroethene	ND		5.0	2.9	ug/L			04/25/21 11:42	5
Toluene	**5.6**		5.0	2.1	ug/L			04/25/21 11:42	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			04/25/21 11:42	5
trans-1,3-Dichloropropene	ND		25	2.5	ug/L			04/25/21 11:42	5
1,2,3-Trichlorobenzene	ND		5.0	3.5	ug/L			04/25/21 11:42	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			04/25/21 11:42	5
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			04/25/21 11:42	5
1,1,2-Trichloroethane	ND		25	2.5	ug/L			04/25/21 11:42	5
Trichloroethene	ND		5.0	2.5	ug/L			04/25/21 11:42	5
Trichlorofluoromethane	ND		5.0	2.6	ug/L			04/25/21 11:42	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			04/25/21 11:42	5
1,2,4-Trimethylbenzene	ND		5.0	4.1	ug/L			04/25/21 11:42	5
1,3,5-Trimethylbenzene	ND		5.0	2.8	ug/L			04/25/21 11:42	5
Vinyl acetate	ND		130	10	ug/L			04/25/21 11:42	5
Vinyl chloride	ND		5.0	2.5	ug/L			04/25/21 11:42	5
Xylenes, Total	ND		50	8.0	ug/L			04/25/21 11:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*04/25/21 11:42*	*5*
Dibromofluoromethane	*97*		*81 - 121*		*04/25/21 11:42*	*5*
Toluene-d8 (Surr)	*94*		*80 - 120*		*04/25/21 11:42*	*5*

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**		0.20	0.033	ug/L		04/16/21 09:34	04/20/21 20:25	1
Acenaphthene	ND	H ~~UJ~~	0.20	0.033	ug/L		04/26/21 13:34	04/28/21 18:04	1
Acenaphthylene	ND		0.20	0.046	ug/L		04/16/21 09:34	04/20/21 20:25	1
Acenaphthylene	ND	H ~~UJ~~	0.20	0.046	ug/L		04/26/21 13:34	04/28/21 18:04	1
Anthracene	ND		0.20	0.033	ug/L		04/16/21 09:34	04/20/21 20:25	1
Anthracene	ND	H ~~UJ~~	0.20	0.033	ug/L		04/26/21 13:34	04/28/21 18:04	1
Benzo[a]anthracene	ND	*- UJ	0.20	0.047	ug/L		04/16/21 09:34	04/20/21 20:25	1
Benzo[a]anthracene	ND	H ~~UJ~~	0.20	0.047	ug/L		04/26/21 13:34	04/28/21 18:04	1
Benzo[a]pyrene	ND		0.20	0.043	ug/L		04/16/21 09:34	04/20/21 20:25	1
Benzo[a]pyrene	ND	H ~~UJ~~	0.20	0.043	ug/L		04/26/21 13:34	04/28/21 18:04	1
Benzo[b]fluoranthene	ND	*- UJ	0.20	0.035	ug/L		04/16/21 09:34	04/20/21 20:25	1
Benzo[b]fluoranthene	ND	H ~~UJ~~	0.20	0.035	ug/L		04/26/21 13:34	04/28/21 18:04	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/16/21 09:34	04/20/21 20:25	1
Benzo[g,h,i]perylene	ND	H ~~UJ~~	0.20	0.13	ug/L		04/26/21 13:34	04/28/21 18:04	1
Benzo[k]fluoranthene	ND	*- UJ	0.20	0.10	ug/L		04/16/21 09:34	04/20/21 20:25	1
Benzo[k]fluoranthene	ND	H ~~UJ~~	0.20	0.10	ug/L		04/26/21 13:34	04/28/21 18:04	1
Chrysene	ND	*- UJ	0.20	0.075	ug/L		04/16/21 09:34	04/20/21 20:25	1
Chrysene	ND	H ~~UJ~~	0.20	0.076	ug/L		04/26/21 13:34	04/28/21 18:04	1
Dibenz(a,h)anthracene	ND	*-	0.20	0.051	ug/L		04/16/21 09:34	04/20/21 20:25	1
Dibenz(a,h)anthracene	ND	H ~~UJ~~	0.20	0.051	ug/L		04/26/21 13:34	04/28/21 18:04	1
Fluoranthene	ND		0.20	0.069	ug/L		04/16/21 09:34	04/20/21 20:25	1

Client Sample ID: P57-ROX-041221-DUP

Date Collected: 04/12/21 11:40
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-12
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
Fluoranthene	ND	H UJ	0.20	0.070	ug/L		04/26/21 13:34	04/28/21 18:04	1
Fluorene	0.38		0.20	0.11	ug/L		04/16/21 09:34	04/20/21 20:25	1
Fluorene	0.33	H J	0.20	0.11	ug/L		04/26/21 13:34	04/28/21 18:04	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.044	ug/L		04/16/21 09:34	04/20/21 20:25	1
Indeno[1,2,3-cd]pyrene	ND	H UJ	0.20	0.044	ug/L		04/26/21 13:34	04/28/21 18:04	1
1-Methylnaphthalene	14		0.20	0.075	ug/L		04/16/21 09:34	04/20/21 20:25	1
1-Methylnaphthalene	3.5	H J	0.20	0.076	ug/L		04/26/21 13:34	04/28/21 18:04	1
2-Methylnaphthalene	16		0.20	0.061	ug/L		04/16/21 09:34	04/20/21 20:25	1
2-Methylnaphthalene	1.3	H J	0.20	0.061	ug/L		04/26/21 13:34	04/28/21 18:04	1
Phenanthrene	0.23		0.20	0.037	ug/L		04/16/21 09:34	04/20/21 20:25	1
Phenanthrene	ND	H UJ	0.20	0.037	ug/L		04/26/21 13:34	04/28/21 18:04	1
Pyrene	0.042	J	0.20	0.041	ug/L		04/16/21 09:34	04/20/21 20:25	1
Pyrene	ND	H UJ	0.20	0.041	ug/L		04/26/21 13:34	04/28/21 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*54*		*15 - 122*	*04/16/21 09:34*	*04/20/21 20:25*	*1*
2-Fluorobiphenyl	*66*		*15 - 122*	*04/26/21 13:34*	*04/28/21 18:04*	*1*
Nitrobenzene-d5	*19*		*19 - 130*	*04/16/21 09:34*	*04/20/21 20:25*	*1*
Nitrobenzene-d5	*33*		*19 - 130*	*04/26/21 13:34*	*04/28/21 18:04*	*1*
Terphenyl-d14	*59*		*33 - 138*	*04/16/21 09:34*	*04/20/21 20:25*	*1*
Terphenyl-d14	*78*		*33 - 138*	*04/26/21 13:34*	*04/28/21 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		04/16/21 09:34	04/20/21 17:00	1
Benzenethiol	ND	*1 *- UJ	10	1.7	ug/L		04/16/21 09:34	04/20/21 17:00	1
Benzoic acid	ND	*1 UJ	30	7.4	ug/L		04/16/21 09:34	04/20/21 17:00	1
Benzyl alcohol	ND	UJ	10	2.0	ug/L		04/16/21 09:34	04/20/21 17:00	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/16/21 09:34	04/20/21 17:00	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/16/21 09:34	04/20/21 17:00	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/16/21 09:34	04/20/21 17:00	1
Bis(2-ethylhexyl) phthalate	12		10	5.1	ug/L		04/16/21 09:34	04/20/21 17:00	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/16/21 09:34	04/20/21 17:00	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/16/21 09:34	04/20/21 17:00	1
4-Chloroaniline	ND		10	3.5	ug/L		04/16/21 09:34	04/20/21 17:00	1
4-Chloro-3-methylphenol	ND	UJ	10	3.9	ug/L		04/16/21 09:34	04/20/21 17:00	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/16/21 09:34	04/20/21 17:00	1
2-Chlorophenol	ND	*-	10	2.2	ug/L		04/16/21 09:34	04/20/21 17:00	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/16/21 09:34	04/20/21 17:00	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 17:00	1
Dibenzofuran	0.17	J	10	0.17	ug/L		04/16/21 09:34	04/20/21 17:00	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/16/21 09:34	04/20/21 17:00	1
2,4-Dichlorophenol	ND	*-	10	3.0	ug/L		04/16/21 09:34	04/20/21 17:00	1
Diethyl phthalate	ND		10	0.24	ug/L		04/16/21 09:34	04/20/21 17:00	1
2,4-Dimethylphenol	ND	UJ	10	3.6	ug/L		04/16/21 09:34	04/20/21 17:00	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 17:00	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/16/21 09:34	04/20/21 17:00	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/16/21 09:34	04/20/21 17:00	1
2,4-Dinitrophenol	ND		30	3.5	ug/L		04/16/21 09:34	04/20/21 17:00	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/16/21 09:34	04/20/21 17:00	1

Client Sample ID: P57-ROX-041221-DUP
Date Collected: 04/12/21 11:40
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-12
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/16/21 09:34	04/20/21 17:00	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 17:00	1
1,4-Dioxane	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 17:00	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 17:00	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 17:00	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/16/21 09:34	04/20/21 17:00	1
Hexachloroethane	ND		10	4.3	ug/L		04/16/21 09:34	04/20/21 17:00	1
Indene	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 17:00	1
Isophorone	ND		10	0.14	ug/L		04/16/21 09:34	04/20/21 17:00	1
2-Methylphenol	ND	*-	10	1.8	ug/L		04/16/21 09:34	04/20/21 17:00	1
3 & 4 Methylphenol	ND	*-	20	0.40	ug/L		04/16/21 09:34	04/20/21 17:00	1
2-Nitroaniline	ND		10	2.2	ug/L		04/16/21 09:34	04/20/21 17:00	1
3-Nitroaniline	ND		10	1.8	ug/L		04/16/21 09:34	04/20/21 17:00	1
4-Nitroaniline	ND		10	1.5	ug/L		04/16/21 09:34	04/20/21 17:00	1
Nitrobenzene	ND		10	0.13	ug/L		04/16/21 09:34	04/20/21 17:00	1
2-Nitrophenol	ND	*-	10	5.3	ug/L		04/16/21 09:34	04/20/21 17:00	1
4-Nitrophenol	ND	UJ	10	2.1	ug/L		04/16/21 09:34	04/20/21 17:00	1
N-Nitrosodimethylamine	ND		10	3.6	ug/L		04/16/21 09:34	04/20/21 17:00	1
N-Nitrosodi-n-propylamine	ND		10	3.4	ug/L		04/16/21 09:34	04/20/21 17:00	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/16/21 09:34	04/20/21 17:00	1
Pentachlorophenol	ND	UJ	20	1.4	ug/L		04/16/21 09:34	04/20/21 17:00	1
Phenol	ND	UJ	10	2.6	ug/L		04/16/21 09:34	04/20/21 17:00	1
Pyridine	ND		10	3.3	ug/L		04/16/21 09:34	04/20/21 17:00	1
Quinoline	ND		10	4.6	ug/L		04/16/21 09:34	04/20/21 17:00	1
2,4,5-Trichlorophenol	ND	*-	10	3.8	ug/L		04/16/21 09:34	04/20/21 17:00	1
2,4,6-Trichlorophenol	ND	*-	10	3.6	ug/L		04/16/21 09:34	04/20/21 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*55*		*46 - 124*	*04/16/21 09:34*	*04/20/21 17:00*	*1*
2-Fluorophenol	*0*	*S1-*	*13 - 113*	*04/16/21 09:34*	*04/20/21 17:00*	*1*
Nitrobenzene-d5	*53*		*36 - 126*	*04/16/21 09:34*	*04/20/21 17:00*	*1*
Phenol-d5	*2*	*S1-*	*17 - 127*	*04/16/21 09:34*	*04/20/21 17:00*	*1*
Terphenyl-d14	*60*		*44 - 149*	*04/16/21 09:34*	*04/20/21 17:00*	*1*
2,4,6-Tribromophenol	*9*	*S1-*	*26 - 150*	*04/16/21 09:34*	*04/20/21 17:00*	*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		04/26/21 13:34	04/28/21 18:42	1
2-Chlorophenol	ND	H	10	2.2	ug/L		04/26/21 13:34	04/28/21 18:42	1
2,4-Dichlorophenol	ND	H	10	3.1	ug/L		04/26/21 13:34	04/28/21 18:42	1
2-Methylphenol	ND	H	10	1.8	ug/L		04/26/21 13:34	04/28/21 18:42	1
3 & 4 Methylphenol	ND	H	20	0.40	ug/L		04/26/21 13:34	04/28/21 18:42	1
2-Nitrophenol	ND	H	10	5.3	ug/L		04/26/21 13:34	04/28/21 18:42	1
2,4,5-Trichlorophenol	ND	H	10	3.8	ug/L		04/26/21 13:34	04/28/21 18:42	1
2,4,6-Trichlorophenol	ND	H	10	3.6	ug/L		04/26/21 13:34	04/28/21 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*46 - 124*	*04/26/21 13:34*	*04/28/21 18:42*	*1*
2-Fluorophenol	*68*		*13 - 113*	*04/26/21 13:34*	*04/28/21 18:42*	*1*

Client Sample ID: P57-ROX-041221-DUP
Date Collected: 04/12/21 11:40
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-12
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*70*		*36 - 126*	*04/26/21 13:34*	*04/28/21 18:42*	*1*
Phenol-d5	*74*		*17 - 127*	*04/26/21 13:34*	*04/28/21 18:42*	*1*
Terphenyl-d14	*107*		*44 - 149*	*04/26/21 13:34*	*04/28/21 18:42*	*1*
2,4,6-Tribromophenol	*104*		*26 - 150*	*04/26/21 13:34*	*04/28/21 18:42*	*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		0.030	0.0056	ug/L		04/21/21 12:16	04/21/21 19:39	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		04/21/21 12:16	04/21/21 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*	*p*	*51 - 149*	*04/21/21 12:16*	*04/21/21 19:39*	*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.
F1	MS and/or MSD recovery exceeds control limits.
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.

GC Semi VOA

Qualifier	Qualifier Description
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: 400-201971-1

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)
400-201971-2	TB-ROX-041221-8260-A	87	99	92
400-201971-3	P114R-ROX-041221	87	98	93
400-201971-4	MW13-ROX-041221	85	97	94
400-201971-5	MW11-ROX-041221-EB	88	99	92
400-201971-6	MW11-ROX-041221	88	98	93
400-201971-7	MW12-ROX-041221	87	99	92
400-201971-7 MS	MW12-ROX-041221	87	101	94
400-201971-7 MSD	MW12-ROX-041221	87	101	94
400-201971-9	TB-ROX-041221-8260-B	87	97	92
400-201971-10	P74-ROX-041221	88	98	92
400-201971-11	P57-ROX-041221	88	97	92
400-201971-12	P57-ROX-041221-DUP	89	97	94
LCS 400-528806/1002	Lab Control Sample	90	102	95
LCS 400-529066/1003	Lab Control Sample	87	101	93
MB 400-528806/4	Method Blank	88	95	93
MB 400-529066/5	Method Blank	87	98	92

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)
400-201971-3	P114R-ROX-041221	64	4 S1-	60	35	69	61
400-201971-3 - RERA	P114R-ROX-041221	61	31	54	49	74	69
400-201971-4	MW13-ROX-041221	65	19	63	51	62	75
400-201971-4 - RERA	MW13-ROX-041221	60	46	55	57	55	80
400-201971-5	MW11-ROX-041221-EB	65	30	63	56	74	62
400-201971-5 - RERA	MW11-ROX-041221-EB	77	59	66	71	95	77
400-201971-6	MW11-ROX-041221	72	28	67	55	81	63
400-201971-7	MW12-ROX-041221	65	18	61	44	71	46
400-201971-7 - RERA	MW12-ROX-041221	69	61	61	62	89	62
400-201971-7 MS	MW12-ROX-041221	60	36	60	55	67	65
400-201971-7 MS - RERA	MW12-ROX-041221	61	53	58	59	70	80
400-201971-7 MSD	MW12-ROX-041221	63	35	63	59	69	74
400-201971-7 MSD - RERA	MW12-ROX-041221	66	51	63	64	78	85
400-201971-10	P74-ROX-041221	70	46	68	64	71	66
400-201971-10 - RERA	P74-ROX-041221	77	75	71	81	93	88
400-201971-11	P57-ROX-041221	65	16	64	45	70	73
400-201971-11 - RERA	P57-ROX-041221	62	53	56	62	73	81
400-201971-12	P57-ROX-041221-DUP	55	0 S1-	53	2 S1-	60	9 S1-
400-201971-12 - RERA	P57-ROX-041221-DUP	81	68	70	74	107	104
LCS 400-527852/2-A	Lab Control Sample	91	17	75	41	101	94
LCS 400-527852/4-A	Lab Control Sample	72	25	67	53	80	24 S1-
LCS 400-529209/2-A	Lab Control Sample	74	64	70	75	90	99

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 400-527852/3-A	Lab Control Sample Dup	96	18	83	47	108	95
LCSD 400-527852/5-A	Lab Control Sample Dup	86	82	78	84	101	62
MB 400-527852/1-A	Method Blank	74	28	70	59	85	62
MB 400-529209/1-A	Method Blank	85	36	72	62	105	70

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)
400-201971-3	P114R-ROX-041221	66	36	76
400-201971-3	P114R-ROX-041221	92	39	112
400-201971-4	MW13-ROX-041221	69	38	64
400-201971-4	MW13-ROX-041221	88	41	80
400-201971-5	MW11-ROX-041221-EB	67	36	77
400-201971-5	MW11-ROX-041221-EB	84	35	101
400-201971-6	MW11-ROX-041221	71	38	83
400-201971-7	MW12-ROX-041221	67	25	79
400-201971-7	MW12-ROX-041221	79	38	93
400-201971-7 MS	MW12-ROX-041221	78	25	83
400-201971-7 MS	MW12-ROX-041221	85	33	91
400-201971-7 MSD	MW12-ROX-041221	82	20	86
400-201971-7 MSD	MW12-ROX-041221	87	35	96
400-201971-10	P74-ROX-041221	81	41	88
400-201971-10	P74-ROX-041221	94	47	104
400-201971-11	P57-ROX-041221	66	33	70
400-201971-11	P57-ROX-041221	64	32	74
400-201971-12	P57-ROX-041221-DUP	54	19	59
400-201971-12	P57-ROX-041221-DUP	66	33	78
LCS 400-527852/2-A	Lab Control Sample	78	32	86
LCS 400-529209/2-A	Lab Control Sample	85	25	93
LCSD 400-527852/3-A	Lab Control Sample Dup	82	29	86
MB 400-527852/1-A	Method Blank	65	32	80
MB 400-529209/1-A	Method Blank	65	29	81

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: 400-201971-1

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)
400-201971-1	TB-ROX-041221-8011-A	81 p
400-201971-3	P114R-ROX-041221	85 p
400-201971-4	MW13-ROX-041221	93 p
400-201971-5	MW11-ROX-041221-EB	87
400-201971-6	MW11-ROX-041221	93 p
400-201971-7	MW12-ROX-041221	96 p
400-201971-7 MS	MW12-ROX-041221	94 p
400-201971-7 MSD	MW12-ROX-041221	99 p
400-201971-8	TB-ROX-041221-8011-B	92 p
400-201971-10	P74-ROX-041221	89 p
400-201971-11	P57-ROX-041221	74 p
400-201971-12	P57-ROX-041221-DUP	84 p
LCS 400-528083/2-A	Lab Control Sample	80
LCS 400-528531/2-A	Lab Control Sample	94
LCSD 400-528083/3-A	Lab Control Sample Dup	85
MB 400-528083/1-A	Method Blank	73
MB 400-528531/1-A	Method Blank	82

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

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

Job ID: 400-201971-1

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-041221-8011-A

Lab Sample ID: 400-201971-1

Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:09

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			35.6 mL	35 mL	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 19:37	DS	TAL PEN

Client Sample ID: TB-ROX-041221-8260-A

Lab Sample ID: 400-201971-2

Date Collected: 04/12/21 00:00
Date Received: 04/13/21 10:09

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	528806	04/23/21 17:59	WPD	TAL PEN

Client Sample ID: P114R-ROX-041221

Lab Sample ID: 400-201971-3

Date Collected: 04/12/21 09:25
Date Received: 04/13/21 10:09

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	528806	04/23/21 18:49	WPD	TAL PEN
Total/NA	Prep	3520C			260 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 13:48	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		264.8 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529498	04/28/21 16:55	S1B	TAL PEN
Total/NA	Prep	3520C			260 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 18:04	PP1	TAL PEN
Total/NA	Prep	3520C			264.8 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529447	04/28/21 16:46	KJA	TAL PEN
Total/NA	Prep	8011			34.9 mL	35 mL	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 19:56	DS	TAL PEN

Client Sample ID: MW13-ROX-041221

Lab Sample ID: 400-201971-4

Date Collected: 04/12/21 10:25
Date Received: 04/13/21 10:09

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	528806	04/23/21 19:13	WPD	TAL PEN
Total/NA	Prep	3520C			259.2 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 14:09	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		259.4 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529498	04/28/21 17:16	S1B	TAL PEN
Total/NA	Prep	3520C			259.2 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 18:20	PP1	TAL PEN
Total/NA	Prep	3520C			259.4 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529447	04/28/21 17:01	KJA	TAL PEN
Total/NA	Prep	8011			35.1 mL	35 mL	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 20:16	DS	TAL PEN

Client Sample ID: MW11-ROX-041221-EB

Lab Sample ID: 400-201971-5

Date Collected: 04/12/21 11:40
Matrix: Water
Date Received: 04/13/21 10:09

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	528806	04/23/21 18:24	WPD	TAL PEN
Total/NA	Prep	3520C			259.6 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 14:30	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		262.4 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529498	04/28/21 17:38	S1B	TAL PEN
Total/NA	Prep	3520C			259.6 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 18:36	PP1	TAL PEN
Total/NA	Prep	3520C			262.4 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529447	04/28/21 17:17	KJA	TAL PEN
Total/NA	Prep	8011			35.1 mL	35 mL	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 16:41	DS	TAL PEN

Client Sample ID: MW11-ROX-041221

Lab Sample ID: 400-201971-6

Date Collected: 04/12/21 12:10
Matrix: Water
Date Received: 04/13/21 10:09

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	528806	04/23/21 19:38	WPD	TAL PEN
Total/NA	Prep	3520C			261.6 mL	1 mL	527852	04/17/21 07:44	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 14:52	S1B	TAL PEN
Total/NA	Prep	3520C			261.6 mL	1 mL	527852	04/17/21 07:44	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 18:51	PP1	TAL PEN
Total/NA	Prep	8011			35.4 mL	35 mL	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 17:01	DS	TAL PEN

Client Sample ID: MW12-ROX-041221

Lab Sample ID: 400-201971-7

Date Collected: 04/12/21 13:00
Matrix: Water
Date Received: 04/13/21 10:09

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	529066	04/25/21 09:03	WPD	TAL PEN
Total/NA	Prep	3520C			260.8 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 15:13	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		261.8 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529498	04/28/21 16:33	S1B	TAL PEN
Total/NA	Prep	3520C			260.8 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 19:07	PP1	TAL PEN
Total/NA	Prep	3520C			261.8 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529447	04/28/21 16:30	KJA	TAL PEN
Total/NA	Prep	8011			35.1 mL	35 mL	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 17:21	DS	TAL PEN

Client Sample ID: TB-ROX-041221-8011-B

Lab Sample ID: 400-201971-8

Date Collected: 04/12/21 00:00
Matrix: Water
Date Received: 04/13/21 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.9 mL	35 mL	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 18:20	DS	TAL PEN

Client Sample ID: TB-ROX-041221-8260-B

Lab Sample ID: 400-201971-9

Date Collected: 04/12/21 00:00
Matrix: Water
Date Received: 04/13/21 10:09

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	529066	04/25/21 09:26	WPD	TAL PEN

Client Sample ID: P74-ROX-041221

Lab Sample ID: 400-201971-10

Date Collected: 04/12/21 10:35
Matrix: Water
Date Received: 04/13/21 10:09

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	529066	04/25/21 09:48	WPD	TAL PEN
Total/NA	Prep	3520C			244.4 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 16:17	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		246 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529498	04/28/21 17:59	S1B	TAL PEN
Total/NA	Prep	3520C			244.4 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 19:54	PP1	TAL PEN
Total/NA	Prep	3520C			246 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529447	04/28/21 17:33	KJA	TAL PEN
Total/NA	Prep	8011			34.4 mL	35 mL	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 18:40	DS	TAL PEN

Client Sample ID: P57-ROX-041221

Lab Sample ID: 400-201971-11

Date Collected: 04/12/21 11:40
Matrix: Water
Date Received: 04/13/21 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	529066	04/25/21 11:20	WPD	TAL PEN
Total/NA	Prep	3520C			235.6 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 16:38	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		235 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529498	04/28/21 18:20	S1B	TAL PEN
Total/NA	Prep	3520C			235.6 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 20:09	PP1	TAL PEN
Total/NA	Prep	3520C			235 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529447	04/28/21 17:48	KJA	TAL PEN
Total/NA	Prep	8011			35 mL	35 mL	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 19:00	DS	TAL PEN

Client Sample ID: P57-ROX-041221-DUP

Lab Sample ID: 400-201971-12

Date Collected: 04/12/21 11:40
Matrix: Water
Date Received: 04/13/21 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	529066	04/25/21 11:42	WPD	TAL PEN
Total/NA	Prep	3520C			246 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 17:00	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		244.6 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529498	04/28/21 18:42	S1B	TAL PEN
Total/NA	Prep	3520C			246 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 20:25	PP1	TAL PEN
Total/NA	Prep	3520C			244.6 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529447	04/28/21 18:04	KJA	TAL PEN
Total/NA	Prep	8011			34.6 mL	35 mL	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 19:39	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-527852/1-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	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 11:40	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 17:02	PP1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528083/1-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	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 12:07	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528531/1-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	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 16:02	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528806/4

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	528806	04/23/21 09:28	WPD	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-529066/5
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	529066	04/25/21 08:41	WPD	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-529209/1-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	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529498	04/28/21 14:24	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529447	04/28/21 15:27	KJA	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-527852/2-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	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528632	04/22/21 12:02	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		5			528357	04/20/21 17:18	PP1	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-527852/4-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			250 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 12:44	S1B	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-528083/2-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	8011			35 mL	35 mL	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 12:26	DS	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-528531/2-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	8011			35 mL	35 mL	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 16:21	DS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-528806/1002

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	528806	04/23/21 08:27	WPD	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-529066/1003

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	529066	04/25/21 07:42	WPD	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-529209/2-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	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529498	04/28/21 15:29	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			529447	04/28/21 15:43	KJA	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-527852/3-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	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528632	04/22/21 12:28	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		5			528357	04/20/21 17:33	PP1	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-527852/5-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	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 13:05	S1B	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-528083/3-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	528083	04/19/21 09:01	DS	TAL PEN
Total/NA	Analysis	8011		1			528112	04/19/21 12:46	DS	TAL PEN

Client Sample ID: MW12-ROX-041221

Date Collected: 04/12/21 13:00
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-7 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	529066	04/25/21 12:07	WPD	TAL PEN
Total/NA	Prep	3520C			262.2 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 15:34	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		257.6 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529498	04/28/21 15:50	S1B	TAL PEN
Total/NA	Prep	3520C			262.2 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		5			528357	04/20/21 19:22	PP1	TAL PEN
Total/NA	Prep	3520C			257.6 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			529447	04/28/21 15:59	KJA	TAL PEN
Total/NA	Prep	8011			35 mL	35 mL	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 17:41	DS	TAL PEN

Client Sample ID: MW12-ROX-041221

Date Collected: 04/12/21 13:00
Date Received: 04/13/21 10:09

Lab Sample ID: 400-201971-7 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	529066	04/25/21 12:29	WPD	TAL PEN
Total/NA	Prep	3520C			262.6 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 15:56	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		264 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529498	04/28/21 16:12	S1B	TAL PEN
Total/NA	Prep	3520C			262.6 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		5			528357	04/20/21 19:38	PP1	TAL PEN
Total/NA	Prep	3520C			264 mL	1 mL	529209	04/26/21 13:34	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			529447	04/28/21 16:14	KJA	TAL PEN
Total/NA	Prep	8011			34.8 mL	35 mL	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 18:00	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: 528806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201971-2	TB-ROX-041221-8260-A	Total/NA	Water	8260B	
400-201971-3	P114R-ROX-041221	Total/NA	Water	8260B	
400-201971-4	MW13-ROX-041221	Total/NA	Water	8260B	
400-201971-5	MW11-ROX-041221-EB	Total/NA	Water	8260B	
400-201971-6	MW11-ROX-041221	Total/NA	Water	8260B	
MB 400-528806/4	Method Blank	Total/NA	Water	8260B	
LCS 400-528806/1002	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 529066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201971-7	MW12-ROX-041221	Total/NA	Water	8260B	
400-201971-9	TB-ROX-041221-8260-B	Total/NA	Water	8260B	
400-201971-10	P74-ROX-041221	Total/NA	Water	8260B	
400-201971-11	P57-ROX-041221	Total/NA	Water	8260B	
400-201971-12	P57-ROX-041221-DUP	Total/NA	Water	8260B	
MB 400-529066/5	Method Blank	Total/NA	Water	8260B	
LCS 400-529066/1003	Lab Control Sample	Total/NA	Water	8260B	
400-201971-7 MS	MW12-ROX-041221	Total/NA	Water	8260B	
400-201971-7 MSD	MW12-ROX-041221	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 527852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201971-3	P114R-ROX-041221	Total/NA	Water	3520C	
400-201971-4	MW13-ROX-041221	Total/NA	Water	3520C	
400-201971-5	MW11-ROX-041221-EB	Total/NA	Water	3520C	
400-201971-6	MW11-ROX-041221	Total/NA	Water	3520C	
400-201971-7	MW12-ROX-041221	Total/NA	Water	3520C	
400-201971-10	P74-ROX-041221	Total/NA	Water	3520C	
400-201971-11	P57-ROX-041221	Total/NA	Water	3520C	
400-201971-12	P57-ROX-041221-DUP	Total/NA	Water	3520C	
MB 400-527852/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-527852/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-527852/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-527852/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-527852/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	
400-201971-7 MS	MW12-ROX-041221	Total/NA	Water	3520C	
400-201971-7 MSD	MW12-ROX-041221	Total/NA	Water	3520C	

Analysis Batch: 528281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201971-3	P114R-ROX-041221	Total/NA	Water	8270D	527852
400-201971-4	MW13-ROX-041221	Total/NA	Water	8270D	527852
400-201971-5	MW11-ROX-041221-EB	Total/NA	Water	8270D	527852
400-201971-6	MW11-ROX-041221	Total/NA	Water	8270D	527852
400-201971-7	MW12-ROX-041221	Total/NA	Water	8270D	527852
400-201971-10	P74-ROX-041221	Total/NA	Water	8270D	527852
400-201971-11	P57-ROX-041221	Total/NA	Water	8270D	527852
400-201971-12	P57-ROX-041221-DUP	Total/NA	Water	8270D	527852
MB 400-527852/1-A	Method Blank	Total/NA	Water	8270D	527852

GC/MS Semi VOA (Continued)

Analysis Batch: 528281 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-527852/4-A	Lab Control Sample	Total/NA	Water	8270D	527852
LCSD 400-527852/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	527852
400-201971-7 MS	MW12-ROX-041221	Total/NA	Water	8270D	527852
400-201971-7 MSD	MW12-ROX-041221	Total/NA	Water	8270D	527852

Analysis Batch: 528357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201971-3	P114R-ROX-041221	Total/NA	Water	8270D LL	527852
400-201971-4	MW13-ROX-041221	Total/NA	Water	8270D LL	527852
400-201971-5	MW11-ROX-041221-EB	Total/NA	Water	8270D LL	527852
400-201971-6	MW11-ROX-041221	Total/NA	Water	8270D LL	527852
400-201971-7	MW12-ROX-041221	Total/NA	Water	8270D LL	527852
400-201971-10	P74-ROX-041221	Total/NA	Water	8270D LL	527852
400-201971-11	P57-ROX-041221	Total/NA	Water	8270D LL	527852
400-201971-12	P57-ROX-041221-DUP	Total/NA	Water	8270D LL	527852
MB 400-527852/1-A	Method Blank	Total/NA	Water	8270D LL	527852
LCS 400-527852/2-A	Lab Control Sample	Total/NA	Water	8270D LL	527852
LCSD 400-527852/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	527852
400-201971-7 MS	MW12-ROX-041221	Total/NA	Water	8270D LL	527852
400-201971-7 MSD	MW12-ROX-041221	Total/NA	Water	8270D LL	527852

Analysis Batch: 528632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-527852/2-A	Lab Control Sample	Total/NA	Water	8270D	527852
LCSD 400-527852/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	527852

Prep Batch: 529209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201971-3 - RERA	P114R-ROX-041221	Total/NA	Water	3520C	
400-201971-3	P114R-ROX-041221	Total/NA	Water	3520C	
400-201971-4 - RERA	MW13-ROX-041221	Total/NA	Water	3520C	
400-201971-4	MW13-ROX-041221	Total/NA	Water	3520C	
400-201971-5 - RERA	MW11-ROX-041221-EB	Total/NA	Water	3520C	
400-201971-5	MW11-ROX-041221-EB	Total/NA	Water	3520C	
400-201971-7 - RERA	MW12-ROX-041221	Total/NA	Water	3520C	
400-201971-7	MW12-ROX-041221	Total/NA	Water	3520C	
400-201971-10 - RERA	P74-ROX-041221	Total/NA	Water	3520C	
400-201971-10	P74-ROX-041221	Total/NA	Water	3520C	
400-201971-11 - RERA	P57-ROX-041221	Total/NA	Water	3520C	
400-201971-11	P57-ROX-041221	Total/NA	Water	3520C	
400-201971-12 - RERA	P57-ROX-041221-DUP	Total/NA	Water	3520C	
400-201971-12	P57-ROX-041221-DUP	Total/NA	Water	3520C	
MB 400-529209/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-529209/2-A	Lab Control Sample	Total/NA	Water	3520C	
400-201971-7 MS - RERA	MW12-ROX-041221	Total/NA	Water	3520C	
400-201971-7 MS	MW12-ROX-041221	Total/NA	Water	3520C	
400-201971-7 MSD - RERA	MW12-ROX-041221	Total/NA	Water	3520C	
400-201971-7 MSD	MW12-ROX-041221	Total/NA	Water	3520C	

GC/MS Semi VOA

Analysis Batch: 529447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201971-3	P114R-ROX-041221	Total/NA	Water	8270D LL	529209
400-201971-4	MW13-ROX-041221	Total/NA	Water	8270D LL	529209
400-201971-5	MW11-ROX-041221-EB	Total/NA	Water	8270D LL	529209
400-201971-7	MW12-ROX-041221	Total/NA	Water	8270D LL	529209
400-201971-10	P74-ROX-041221	Total/NA	Water	8270D LL	529209
400-201971-11	P57-ROX-041221	Total/NA	Water	8270D LL	529209
400-201971-12	P57-ROX-041221-DUP	Total/NA	Water	8270D LL	529209
MB 400-529209/1-A	Method Blank	Total/NA	Water	8270D LL	529209
LCS 400-529209/2-A	Lab Control Sample	Total/NA	Water	8270D LL	529209
400-201971-7 MS	MW12-ROX-041221	Total/NA	Water	8270D LL	529209
400-201971-7 MSD	MW12-ROX-041221	Total/NA	Water	8270D LL	529209

Analysis Batch: 529498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201971-3 - RERA	P114R-ROX-041221	Total/NA	Water	8270D	529209
400-201971-4 - RERA	MW13-ROX-041221	Total/NA	Water	8270D	529209
400-201971-5 - RERA	MW11-ROX-041221-EB	Total/NA	Water	8270D	529209
400-201971-7 - RERA	MW12-ROX-041221	Total/NA	Water	8270D	529209
400-201971-10 - RERA	P74-ROX-041221	Total/NA	Water	8270D	529209
400-201971-11 - RERA	P57-ROX-041221	Total/NA	Water	8270D	529209
400-201971-12 - RERA	P57-ROX-041221-DUP	Total/NA	Water	8270D	529209
MB 400-529209/1-A	Method Blank	Total/NA	Water	8270D	529209
LCS 400-529209/2-A	Lab Control Sample	Total/NA	Water	8270D	529209
400-201971-7 MS - RERA	MW12-ROX-041221	Total/NA	Water	8270D	529209
400-201971-7 MSD - RERA	MW12-ROX-041221	Total/NA	Water	8270D	529209

GC Semi VOA

Prep Batch: 528083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201971-1	TB-ROX-041221-8011-A	Total/NA	Water	8011	
400-201971-3	P114R-ROX-041221	Total/NA	Water	8011	
400-201971-4	MW13-ROX-041221	Total/NA	Water	8011	
MB 400-528083/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-528083/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-528083/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 528112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201971-1	TB-ROX-041221-8011-A	Total/NA	Water	8011	528083
400-201971-3	P114R-ROX-041221	Total/NA	Water	8011	528083
400-201971-4	MW13-ROX-041221	Total/NA	Water	8011	528083
MB 400-528083/1-A	Method Blank	Total/NA	Water	8011	528083
LCS 400-528083/2-A	Lab Control Sample	Total/NA	Water	8011	528083
LCSD 400-528083/3-A	Lab Control Sample Dup	Total/NA	Water	8011	528083

Analysis Batch: 528406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201971-5	MW11-ROX-041221-EB	Total/NA	Water	8011	528531
400-201971-6	MW11-ROX-041221	Total/NA	Water	8011	528531
400-201971-7	MW12-ROX-041221	Total/NA	Water	8011	528531

GC Semi VOA (Continued)

Analysis Batch: 528406 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201971-8	TB-ROX-041221-8011-B	Total/NA	Water	8011	528531
400-201971-10	P74-ROX-041221	Total/NA	Water	8011	528531
400-201971-11	P57-ROX-041221	Total/NA	Water	8011	528531
400-201971-12	P57-ROX-041221-DUP	Total/NA	Water	8011	528531
MB 400-528531/1-A	Method Blank	Total/NA	Water	8011	528531
LCS 400-528531/2-A	Lab Control Sample	Total/NA	Water	8011	528531
400-201971-7 MS	MW12-ROX-041221	Total/NA	Water	8011	528531
400-201971-7 MSD	MW12-ROX-041221	Total/NA	Water	8011	528531

Prep Batch: 528531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-201971-5	MW11-ROX-041221-EB	Total/NA	Water	8011	
400-201971-6	MW11-ROX-041221	Total/NA	Water	8011	
400-201971-7	MW12-ROX-041221	Total/NA	Water	8011	
400-201971-8	TB-ROX-041221-8011-B	Total/NA	Water	8011	
400-201971-10	P74-ROX-041221	Total/NA	Water	8011	
400-201971-11	P57-ROX-041221	Total/NA	Water	8011	
400-201971-12	P57-ROX-041221-DUP	Total/NA	Water	8011	
MB 400-528531/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-528531/2-A	Lab Control Sample	Total/NA	Water	8011	
400-201971-7 MS	MW12-ROX-041221	Total/NA	Water	8011	
400-201971-7 MSD	MW12-ROX-041221	Total/NA	Water	8011	

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-528806/4
Matrix: Water
Analysis Batch: 528806

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			04/23/21 09:28	1
Acrolein	ND		20	10	ug/L			04/23/21 09:28	1
Acrylonitrile	ND		10	2.8	ug/L			04/23/21 09:28	1
Benzene	ND		1.0	0.38	ug/L			04/23/21 09:28	1
Bromobenzene	ND		1.0	0.54	ug/L			04/23/21 09:28	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/23/21 09:28	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Bromoform	ND		5.0	0.71	ug/L			04/23/21 09:28	1
Bromomethane	ND		1.0	0.98	ug/L			04/23/21 09:28	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/23/21 09:28	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Chloroethane	ND		1.0	0.76	ug/L			04/23/21 09:28	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/23/21 09:28	1
Chloroform	ND		1.0	0.60	ug/L			04/23/21 09:28	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/23/21 09:28	1
Chloromethane	ND		1.0	0.83	ug/L			04/23/21 09:28	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 09:28	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 09:28	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/23/21 09:28	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/23/21 09:28	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/23/21 09:28	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/23/21 09:28	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 09:28	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/23/21 09:28	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/23/21 09:28	1
2-Hexanone	ND		25	3.1	ug/L			04/23/21 09:28	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/23/21 09:28	1
Methylene bromide	ND		5.0	0.59	ug/L			04/23/21 09:28	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/23/21 09:28	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/23/21 09:28	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/23/21 09:28	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/23/21 09:28	1
Naphthalene	ND		1.0	1.0	ug/L			04/23/21 09:28	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/23/21 09:28	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/23/21 09:28	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/23/21 09:28	1
o-Xylene	ND		5.0	0.60	ug/L			04/23/21 09:28	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/23/21 09:28	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-528806/4
Matrix: Water
Analysis Batch: 528806

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			04/23/21 09:28	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/23/21 09:28	1
Styrene	ND		1.0	1.0	ug/L			04/23/21 09:28	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/23/21 09:28	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/23/21 09:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/23/21 09:28	1
Toluene	ND		1.0	0.41	ug/L			04/23/21 09:28	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/23/21 09:28	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/23/21 09:28	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/23/21 09:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/23/21 09:28	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/23/21 09:28	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/23/21 09:28	1
Trichloroethene	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/23/21 09:28	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/23/21 09:28	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/23/21 09:28	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/23/21 09:28	1
Vinyl acetate	ND		25	2.0	ug/L			04/23/21 09:28	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/23/21 09:28	1
Xylenes, Total	ND		10	1.6	ug/L			04/23/21 09:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/23/21 09:28*	*1*
Dibromofluoromethane	*95*		*81 - 121*		*04/23/21 09:28*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/23/21 09:28*	*1*

Lab Sample ID: LCS 400-528806/1002
Matrix: Water
Analysis Batch: 528806

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	241		ug/L		120	43 - 160
Acrolein	500	546		ug/L		109	38 - 160
Acrylonitrile	500	696		ug/L		139	64 - 142
Benzene	50.0	47.9		ug/L		96	70 - 130
Bromobenzene	50.0	49.4		ug/L		99	70 - 132
Bromochloromethane	50.0	51.7		ug/L		103	70 - 130
Bromodichloromethane	50.0	44.4		ug/L		89	67 - 133
Bromoform	50.0	47.9		ug/L		96	57 - 140
Bromomethane	50.0	45.8		ug/L		92	10 - 160
2-Butanone (MEK)	200	212		ug/L		106	61 - 145
Carbon disulfide	50.0	44.8		ug/L		90	61 - 137
Carbon tetrachloride	50.0	50.9		ug/L		102	61 - 137
Chlorobenzene	50.0	48.3		ug/L		97	70 - 130
Dibromochloromethane	50.0	46.9		ug/L		94	67 - 135
Chloroethane	50.0	61.9		ug/L		124	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528806/1002
Matrix: Water
Analysis Batch: 528806

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	54.2		ug/L		108	10 - 160
Chloroform	50.0	47.3		ug/L		95	69 - 130
1-Chlorohexane	50.0	57.1		ug/L		114	69 - 130
Chloromethane	50.0	62.2		ug/L		124	58 - 137
cis-1,2-Dichloroethene	50.0	61.2		ug/L		122	68 - 130
cis-1,3-Dichloropropene	50.0	47.4		ug/L		95	69 - 132
1,2-Dichlorobenzene	50.0	46.5		ug/L		93	67 - 130
1,3-Dichlorobenzene	50.0	48.5		ug/L		97	70 - 130
1,4-Dichlorobenzene	50.0	48.9		ug/L		98	70 - 130
Dichlorodifluoromethane	50.0	63.4		ug/L		127	41 - 146
1,1-Dichloroethane	50.0	64.5		ug/L		129	70 - 130
1,2-Dichloroethane	50.0	55.2		ug/L		110	69 - 130
1,1-Dichloroethene	50.0	46.7		ug/L		93	63 - 134
1,2-Dichloropropane	50.0	57.6		ug/L		115	70 - 130
1,3-Dichloropropane	50.0	45.3		ug/L		91	70 - 130
2,2-Dichloropropane	50.0	47.0		ug/L		94	52 - 135
1,1-Dichloropropene	50.0	49.3		ug/L		99	70 - 130
Ethylbenzene	50.0	44.3		ug/L		89	70 - 130
Ethyl methacrylate	50.0	43.5		ug/L		87	68 - 130
Hexachlorobutadiene	50.0	52.1		ug/L		104	53 - 140
2-Hexanone	200	239		ug/L		119	65 - 137
Isopropylbenzene	50.0	45.6		ug/L		91	70 - 130
Methylene bromide	50.0	44.6		ug/L		89	70 - 130
Methylene Chloride	50.0	45.0		ug/L		90	66 - 135
4-Methyl-2-pentanone (MIBK)	200	248		ug/L		124	69 - 138
Methyl tert-butyl ether	50.0	46.0		ug/L		92	66 - 130
m-Xylene & p-Xylene	50.0	43.8		ug/L		88	70 - 130
Naphthalene	50.0	58.0		ug/L		116	47 - 149
n-Butylbenzene	50.0	42.0		ug/L		84	67 - 130
N-Propylbenzene	50.0	45.7		ug/L		91	70 - 130
o-Chlorotoluene	50.0	41.9		ug/L		84	70 - 130
o-Xylene	50.0	42.8		ug/L		86	70 - 130
p-Chlorotoluene	50.0	42.2		ug/L		84	70 - 130
p-Isopropyltoluene	50.0	49.3		ug/L		99	65 - 130
sec-Butylbenzene	50.0	44.5		ug/L		89	66 - 130
Styrene	50.0	45.5		ug/L		91	70 - 130
tert-Butylbenzene	50.0	44.0		ug/L		88	64 - 139
1,1,1,2-Tetrachloroethane	50.0	48.8		ug/L		98	67 - 131
1,1,2,2-Tetrachloroethane	50.0	41.8		ug/L		84	70 - 131
Tetrachloroethene	50.0	49.1		ug/L		98	65 - 130
Toluene	50.0	45.2		ug/L		90	70 - 130
trans-1,2-Dichloroethene	50.0	48.7		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	45.3		ug/L		91	63 - 130
1,2,3-Trichlorobenzene	50.0	53.5		ug/L		107	60 - 138
1,2,4-Trichlorobenzene	50.0	53.2		ug/L		106	60 - 140
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	68 - 130
1,1,2-Trichloroethane	50.0	42.8		ug/L		86	70 - 130
Trichloroethene	50.0	53.2		ug/L		106	70 - 130
Trichlorofluoromethane	50.0	60.1		ug/L		120	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528806/1002
Matrix: Water
Analysis Batch: 528806

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	44.5		ug/L		89	70 - 130
1,2,4-Trimethylbenzene	50.0	43.9		ug/L		88	70 - 130
1,3,5-Trimethylbenzene	50.0	44.8		ug/L		90	69 - 130
Vinyl acetate	100	106		ug/L		106	26 - 160
Vinyl chloride	50.0	75.3	*+	ug/L		151	59 - 136
Xylenes, Total	100	86.7		ug/L		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*90*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: MB 400-529066/5
Matrix: Water
Analysis Batch: 529066

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			04/25/21 08:41	1
Acrolein	ND		20	10	ug/L			04/25/21 08:41	1
Acrylonitrile	ND		10	2.8	ug/L			04/25/21 08:41	1
Benzene	ND		1.0	0.38	ug/L			04/25/21 08:41	1
Bromobenzene	ND		1.0	0.54	ug/L			04/25/21 08:41	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/25/21 08:41	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/25/21 08:41	1
Bromoform	ND		5.0	0.71	ug/L			04/25/21 08:41	1
Bromomethane	ND		1.0	0.98	ug/L			04/25/21 08:41	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/25/21 08:41	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/25/21 08:41	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/25/21 08:41	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/25/21 08:41	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/25/21 08:41	1
Chloroethane	ND		1.0	0.76	ug/L			04/25/21 08:41	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/25/21 08:41	1
Chloroform	ND		1.0	0.60	ug/L			04/25/21 08:41	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/25/21 08:41	1
Chloromethane	ND		1.0	0.83	ug/L			04/25/21 08:41	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/25/21 08:41	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/25/21 08:41	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/25/21 08:41	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/25/21 08:41	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/25/21 08:41	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/25/21 08:41	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/25/21 08:41	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/25/21 08:41	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/25/21 08:41	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/21 08:41	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/25/21 08:41	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/25/21 08:41	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-529066/5
Matrix: Water
Analysis Batch: 529066

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			04/25/21 08:41	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/25/21 08:41	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/25/21 08:41	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/25/21 08:41	1
2-Hexanone	ND		25	3.1	ug/L			04/25/21 08:41	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/25/21 08:41	1
Methylene bromide	ND		5.0	0.59	ug/L			04/25/21 08:41	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/25/21 08:41	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/25/21 08:41	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/25/21 08:41	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/25/21 08:41	1
Naphthalene	ND		1.0	1.0	ug/L			04/25/21 08:41	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/25/21 08:41	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/25/21 08:41	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/25/21 08:41	1
o-Xylene	ND		5.0	0.60	ug/L			04/25/21 08:41	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/25/21 08:41	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/25/21 08:41	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/25/21 08:41	1
Styrene	ND		1.0	1.0	ug/L			04/25/21 08:41	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/25/21 08:41	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/25/21 08:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/25/21 08:41	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/25/21 08:41	1
Toluene	ND		1.0	0.41	ug/L			04/25/21 08:41	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/25/21 08:41	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/25/21 08:41	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/25/21 08:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/25/21 08:41	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/25/21 08:41	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/25/21 08:41	1
Trichloroethene	ND		1.0	0.50	ug/L			04/25/21 08:41	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/25/21 08:41	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/25/21 08:41	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/25/21 08:41	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/25/21 08:41	1
Vinyl acetate	ND		25	2.0	ug/L			04/25/21 08:41	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/25/21 08:41	1
Xylenes, Total	ND		10	1.6	ug/L			04/25/21 08:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*04/25/21 08:41*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*04/25/21 08:41*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/25/21 08:41*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529066/1003
Matrix: Water
Analysis Batch: 529066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	228		ug/L		114	43 - 160
Acrolein	500	537		ug/L		107	38 - 160
Acrylonitrile	500	714	*+	ug/L		143	64 - 142
Benzene	50.0	52.4		ug/L		105	70 - 130
Bromobenzene	50.0	53.4		ug/L		107	70 - 132
Bromochloromethane	50.0	58.0		ug/L		116	70 - 130
Bromodichloromethane	50.0	48.9		ug/L		98	67 - 133
Bromoform	50.0	50.6		ug/L		101	57 - 140
Bromomethane	50.0	43.0		ug/L		86	10 - 160
2-Butanone (MEK)	200	218		ug/L		109	61 - 145
Carbon disulfide	50.0	46.9		ug/L		94	61 - 137
Carbon tetrachloride	50.0	56.2		ug/L		112	61 - 137
Chlorobenzene	50.0	52.8		ug/L		106	70 - 130
Dibromochloromethane	50.0	51.4		ug/L		103	67 - 135
Chloroethane	50.0	64.2		ug/L		128	55 - 141
2-Chloroethyl vinyl ether	50.0	52.9		ug/L		106	10 - 160
Chloroform	50.0	52.1		ug/L		104	69 - 130
1-Chlorohexane	50.0	60.2		ug/L		120	69 - 130
Chloromethane	50.0	54.2		ug/L		108	58 - 137
cis-1,2-Dichloroethene	50.0	65.6	*+	ug/L		131	68 - 130
cis-1,3-Dichloropropene	50.0	52.4		ug/L		105	69 - 132
1,2-Dichlorobenzene	50.0	52.0		ug/L		104	67 - 130
1,3-Dichlorobenzene	50.0	52.6		ug/L		105	70 - 130
1,4-Dichlorobenzene	50.0	53.1		ug/L		106	70 - 130
Dichlorodifluoromethane	50.0	52.8		ug/L		106	41 - 146
1,1-Dichloroethane	50.0	68.4	*+	ug/L		137	70 - 130
1,2-Dichloroethane	50.0	59.7		ug/L		119	69 - 130
1,1-Dichloroethene	50.0	45.8		ug/L		92	63 - 134
1,2-Dichloropropane	50.0	63.9		ug/L		128	70 - 130
1,3-Dichloropropane	50.0	47.9		ug/L		96	70 - 130
2,2-Dichloropropane	50.0	53.5		ug/L		107	52 - 135
1,1-Dichloropropene	50.0	52.4		ug/L		105	70 - 130
Ethylbenzene	50.0	47.7		ug/L		95	70 - 130
Ethyl methacrylate	50.0	47.1		ug/L		94	68 - 130
Hexachlorobutadiene	50.0	60.0		ug/L		120	53 - 140
2-Hexanone	200	235		ug/L		117	65 - 137
Isopropylbenzene	50.0	49.6		ug/L		99	70 - 130
Methylene bromide	50.0	48.6		ug/L		97	70 - 130
Methylene Chloride	50.0	49.5		ug/L		99	66 - 135
4-Methyl-2-pentanone (MIBK)	200	256		ug/L		128	69 - 138
Methyl tert-butyl ether	50.0	50.5		ug/L		101	66 - 130
m-Xylene & p-Xylene	50.0	47.4		ug/L		95	70 - 130
Naphthalene	50.0	62.2		ug/L		124	47 - 149
n-Butylbenzene	50.0	44.3		ug/L		89	67 - 130
N-Propylbenzene	50.0	48.4		ug/L		97	70 - 130
o-Chlorotoluene	50.0	43.7		ug/L		87	70 - 130
o-Xylene	50.0	46.7		ug/L		93	70 - 130
p-Chlorotoluene	50.0	45.7		ug/L		91	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529066/1003
Matrix: Water
Analysis Batch: 529066

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	51.6		ug/L		103	65 - 130
sec-Butylbenzene	50.0	47.9		ug/L		96	66 - 130
Styrene	50.0	49.3		ug/L		99	70 - 130
tert-Butylbenzene	50.0	46.9		ug/L		94	64 - 139
1,1,1,2-Tetrachloroethane	50.0	54.6		ug/L		109	67 - 131
1,1,2,2-Tetrachloroethane	50.0	44.0		ug/L		88	70 - 131
Tetrachloroethene	50.0	53.0		ug/L		106	65 - 130
Toluene	50.0	48.3		ug/L		97	70 - 130
trans-1,2-Dichloroethene	50.0	53.7		ug/L		107	70 - 130
trans-1,3-Dichloropropene	50.0	48.8		ug/L		98	63 - 130
1,2,3-Trichlorobenzene	50.0	59.5		ug/L		119	60 - 138
1,2,4-Trichlorobenzene	50.0	60.1		ug/L		120	60 - 140
1,1,1-Trichloroethane	50.0	51.8		ug/L		104	68 - 130
1,1,2-Trichloroethane	50.0	46.7		ug/L		93	70 - 130
Trichloroethene	50.0	59.4		ug/L		119	70 - 130
Trichlorofluoromethane	50.0	55.2		ug/L		110	65 - 138
1,2,3-Trichloropropane	50.0	47.4		ug/L		95	70 - 130
1,2,4-Trimethylbenzene	50.0	46.7		ug/L		93	70 - 130
1,3,5-Trimethylbenzene	50.0	47.9		ug/L		96	69 - 130
Vinyl acetate	100	101		ug/L		101	26 - 160
Vinyl chloride	50.0	67.1		ug/L		134	59 - 136
Xylenes, Total	100	94.1		ug/L		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*87*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: 400-201971-7 MS
Matrix: Water
Analysis Batch: 529066

Client Sample ID: MW12-ROX-041221
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	183		ug/L		92	43 - 150
Acrolein	ND		500	459		ug/L		92	38 - 150
Acrylonitrile	ND	*+	500	584		ug/L		117	62 - 149
Benzene	ND		50.0	44.4		ug/L		89	56 - 142
Bromobenzene	ND		50.0	42.8		ug/L		86	59 - 136
Bromochloromethane	ND		50.0	49.8		ug/L		100	64 - 140
Bromodichloromethane	ND		50.0	40.4		ug/L		81	59 - 143
Bromoform	ND		50.0	42.7		ug/L		85	50 - 140
Bromomethane	ND		50.0	39.8		ug/L		80	10 - 150
2-Butanone (MEK)	ND		200	183		ug/L		91	55 - 150
Carbon disulfide	ND		50.0	39.4		ug/L		79	48 - 150
Carbon tetrachloride	ND		50.0	45.6		ug/L		91	55 - 145
Chlorobenzene	ND		50.0	43.0		ug/L		86	64 - 130
Dibromochloromethane	ND		50.0	43.2		ug/L		86	56 - 143
Chloroethane	ND		50.0	54.4		ug/L		109	50 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-201971-7 MS
Matrix: Water
Analysis Batch: 529066

Client Sample ID: MW12-ROX-041221
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	3.05	J F1	ug/L		6	10 - 150
Chloroform	ND		50.0	43.4		ug/L		87	60 - 141
1-Chlorohexane	ND		50.0	46.7		ug/L		93	56 - 136
Chloromethane	ND		50.0	46.3		ug/L		93	49 - 148
cis-1,2-Dichloroethene	ND	*+	50.0	55.3		ug/L		111	59 - 143
cis-1,3-Dichloropropene	ND		50.0	44.1		ug/L		88	57 - 140
1,2-Dichlorobenzene	ND		50.0	40.7		ug/L		81	52 - 137
1,3-Dichlorobenzene	ND		50.0	41.4		ug/L		83	54 - 135
1,4-Dichlorobenzene	ND		50.0	42.9		ug/L		86	53 - 135
Dichlorodifluoromethane	ND		50.0	45.9		ug/L		92	16 - 150
1,1-Dichloroethane	ND	*+	50.0	56.7		ug/L		113	61 - 144
1,2-Dichloroethane	ND		50.0	51.0		ug/L		102	60 - 141
1,1-Dichloroethene	ND		50.0	42.8		ug/L		86	54 - 147
1,2-Dichloropropane	ND		50.0	53.3		ug/L		107	66 - 137
1,3-Dichloropropane	ND		50.0	41.5		ug/L		83	66 - 133
2,2-Dichloropropane	ND		50.0	43.9		ug/L		88	42 - 144
1,1-Dichloropropene	ND		50.0	44.5		ug/L		89	65 - 136
Ethylbenzene	ND		50.0	38.4		ug/L		77	58 - 131
Ethyl methacrylate	ND		50.0	40.9		ug/L		82	64 - 130
Hexachlorobutadiene	ND		50.0	43.9		ug/L		88	31 - 149
2-Hexanone	ND		200	199		ug/L		100	65 - 140
Isopropylbenzene	ND		50.0	39.0		ug/L		78	56 - 133
Methylene bromide	ND		50.0	40.9		ug/L		82	63 - 138
Methylene Chloride	ND		50.0	40.8		ug/L		82	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	220		ug/L		110	63 - 146
Methyl tert-butyl ether	ND		50.0	42.0		ug/L		84	59 - 137
m-Xylene & p-Xylene	ND		50.0	38.1		ug/L		76	57 - 130
Naphthalene	ND		50.0	50.4		ug/L		101	25 - 150
n-Butylbenzene	ND		50.0	34.2		ug/L		68	41 - 142
N-Propylbenzene	ND		50.0	37.9		ug/L		76	51 - 138
o-Chlorotoluene	ND		50.0	35.4		ug/L		71	53 - 134
o-Xylene	ND		50.0	37.3		ug/L		75	61 - 130
p-Chlorotoluene	ND		50.0	35.3		ug/L		71	54 - 133
p-Isopropyltoluene	ND		50.0	40.1		ug/L		80	48 - 139
sec-Butylbenzene	ND		50.0	36.4		ug/L		73	50 - 138
Styrene	ND		50.0	40.4		ug/L		81	58 - 131
tert-Butylbenzene	ND		50.0	36.2		ug/L		72	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	45.0		ug/L		90	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	37.0		ug/L		74	66 - 135
Tetrachloroethene	ND		50.0	41.5		ug/L		83	52 - 133
Toluene	ND		50.0	39.3		ug/L		79	65 - 130
trans-1,2-Dichloroethene	ND		50.0	43.4		ug/L		87	61 - 143
trans-1,3-Dichloropropene	ND		50.0	40.9		ug/L		82	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	46.3		ug/L		93	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	45.5		ug/L		91	39 - 148
1,1,1-Trichloroethane	ND		50.0	42.8		ug/L		86	57 - 142
1,1,2-Trichloroethane	ND		50.0	40.1		ug/L		80	66 - 131
Trichloroethene	ND		50.0	47.9		ug/L		96	64 - 136
Trichlorofluoromethane	ND		50.0	47.5		ug/L		95	54 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-201971-7 MS
Matrix: Water
Analysis Batch: 529066

Client Sample ID: MW12-ROX-041221
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	39.6		ug/L		79	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	37.3		ug/L		75	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	38.0		ug/L		76	52 - 135
Vinyl acetate	ND		100	82.8		ug/L		83	26 - 150
Vinyl chloride	ND		50.0	57.4		ug/L		115	46 - 150
Xylenes, Total	ND		100	75.4		ug/L		75	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*87*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: 400-201971-7 MSD
Matrix: Water
Analysis Batch: 529066

Client Sample ID: MW12-ROX-041221
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	207		ug/L		104	43 - 150	12	30
Acrolein	ND		500	481		ug/L		96	38 - 150	5	31
Acrylonitrile	ND	*+	500	687		ug/L		137	62 - 149	16	30
Benzene	ND		50.0	52.1		ug/L		104	56 - 142	16	30
Bromobenzene	ND		50.0	52.7		ug/L		105	59 - 136	21	30
Bromochloromethane	ND		50.0	56.9		ug/L		114	64 - 140	13	30
Bromodichloromethane	ND		50.0	48.2		ug/L		96	59 - 143	18	30
Bromoform	ND		50.0	50.7		ug/L		101	50 - 140	17	30
Bromomethane	ND		50.0	46.5		ug/L		93	10 - 150	15	50
2-Butanone (MEK)	ND		200	212		ug/L		106	55 - 150	15	30
Carbon disulfide	ND		50.0	47.0		ug/L		94	48 - 150	18	30
Carbon tetrachloride	ND		50.0	55.5		ug/L		111	55 - 145	20	30
Chlorobenzene	ND		50.0	52.5		ug/L		105	64 - 130	20	30
Dibromochloromethane	ND		50.0	50.8		ug/L		102	56 - 143	16	30
Chloroethane	ND		50.0	57.2		ug/L		114	50 - 150	5	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	50.9		ug/L		102	60 - 141	16	30
1-Chlorohexane	ND		50.0	59.4		ug/L		119	56 - 136	24	30
Chloromethane	ND		50.0	50.2		ug/L		100	49 - 148	8	31
cis-1,2-Dichloroethene	ND	*+	50.0	64.8		ug/L		130	59 - 143	16	30
cis-1,3-Dichloropropene	ND		50.0	51.6		ug/L		103	57 - 140	16	30
1,2-Dichlorobenzene	ND		50.0	50.6		ug/L		101	52 - 137	22	30
1,3-Dichlorobenzene	ND		50.0	52.1		ug/L		104	54 - 135	23	30
1,4-Dichlorobenzene	ND		50.0	53.1		ug/L		106	53 - 135	21	30
Dichlorodifluoromethane	ND		50.0	49.5		ug/L		99	16 - 150	8	31
1,1-Dichloroethane	ND	*+	50.0	67.1		ug/L		134	61 - 144	17	30
1,2-Dichloroethane	ND		50.0	59.8		ug/L		120	60 - 141	16	30
1,1-Dichloroethene	ND		50.0	46.9		ug/L		94	54 - 147	9	30
1,2-Dichloropropane	ND		50.0	63.7		ug/L		127	66 - 137	18	30
1,3-Dichloropropane	ND		50.0	47.3		ug/L		95	66 - 133	13	30
2,2-Dichloropropane	ND		50.0	51.6		ug/L		103	42 - 144	16	31

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-201971-7 MSD
Matrix: Water
Analysis Batch: 529066

Client Sample ID: MW12-ROX-041221
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	52.6		ug/L		105	65 - 136	17	30
Ethylbenzene	ND		50.0	46.6		ug/L		93	58 - 131	19	30
Ethyl methacrylate	ND		50.0	47.5		ug/L		95	64 - 130	15	30
Hexachlorobutadiene	ND		50.0	62.0		ug/L		124	31 - 149	34	36
2-Hexanone	ND		200	231		ug/L		115	65 - 140	15	30
Isopropylbenzene	ND		50.0	49.5		ug/L		99	56 - 133	24	30
Methylene bromide	ND		50.0	49.8		ug/L		100	63 - 138	20	30
Methylene Chloride	ND		50.0	48.6		ug/L		97	60 - 146	17	32
4-Methyl-2-pentanone (MIBK)	ND		200	257		ug/L		129	63 - 146	16	30
Methyl tert-butyl ether	ND		50.0	49.4		ug/L		99	59 - 137	16	30
m-Xylene & p-Xylene	ND		50.0	46.7		ug/L		93	57 - 130	20	30
Naphthalene	ND		50.0	63.4		ug/L		127	25 - 150	23	30
n-Butylbenzene	ND		50.0	44.7		ug/L		89	41 - 142	27	31
N-Propylbenzene	ND		50.0	47.8		ug/L		96	51 - 138	23	30
o-Chlorotoluene	ND		50.0	42.8		ug/L		86	53 - 134	19	30
o-Xylene	ND		50.0	46.3		ug/L		93	61 - 130	22	30
p-Chlorotoluene	ND		50.0	44.3		ug/L		89	54 - 133	22	30
p-Isopropyltoluene	ND		50.0	52.8		ug/L		106	48 - 139	27	30
sec-Butylbenzene	ND		50.0	47.9		ug/L		96	50 - 138	27	30
Styrene	ND		50.0	49.3		ug/L		99	58 - 131	20	30
tert-Butylbenzene	ND		50.0	45.9		ug/L		92	54 - 146	24	30
1,1,1,2-Tetrachloroethane	ND		50.0	53.8		ug/L		108	59 - 137	18	30
1,1,2,2-Tetrachloroethane	ND		50.0	42.9		ug/L		86	66 - 135	15	30
Tetrachloroethene	ND		50.0	50.6		ug/L		101	52 - 133	20	30
Toluene	ND		50.0	47.6		ug/L		95	65 - 130	19	30
trans-1,2-Dichloroethene	ND		50.0	52.2		ug/L		104	61 - 143	18	30
trans-1,3-Dichloropropene	ND		50.0	47.6		ug/L		95	53 - 133	15	30
1,2,3-Trichlorobenzene	ND		50.0	59.8		ug/L		120	43 - 145	25	30
1,2,4-Trichlorobenzene	ND		50.0	58.1		ug/L		116	39 - 148	24	30
1,1,1-Trichloroethane	ND		50.0	50.7		ug/L		101	57 - 142	17	30
1,1,2-Trichloroethane	ND		50.0	45.0		ug/L		90	66 - 131	12	30
Trichloroethene	ND		50.0	56.6		ug/L		113	64 - 136	17	30
Trichlorofluoromethane	ND		50.0	48.9		ug/L		98	54 - 150	3	30
1,2,3-Trichloropropane	ND		50.0	47.7		ug/L		95	65 - 133	19	30
1,2,4-Trimethylbenzene	ND		50.0	47.9		ug/L		96	50 - 139	25	30
1,3,5-Trimethylbenzene	ND		50.0	47.2		ug/L		94	52 - 135	21	30
Vinyl acetate	ND		100	94.5		ug/L		94	26 - 150	13	33
Vinyl chloride	ND		50.0	61.1		ug/L		122	46 - 150	6	30
Xylenes, Total	ND		100	93.0		ug/L		93	59 - 130	21	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*87*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*94*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-527852/1-A
Matrix: Water
Analysis Batch: 528281

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		04/16/21 09:34	04/20/21 11:40	1
Benzenethiol	ND		10	1.7	ug/L		04/16/21 09:34	04/20/21 11:40	1
Benzoic acid	ND		30	7.3	ug/L		04/16/21 09:34	04/20/21 11:40	1
Benzyl alcohol	ND		10	2.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/16/21 09:34	04/20/21 11:40	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/16/21 09:34	04/20/21 11:40	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/16/21 09:34	04/20/21 11:40	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/16/21 09:34	04/20/21 11:40	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Chloroaniline	ND		10	3.4	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		04/16/21 09:34	04/20/21 11:40	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/16/21 09:34	04/20/21 11:40	1
2-Chlorophenol	ND		10	2.2	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Dibenzofuran	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 11:40	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Diethyl phthalate	ND		10	0.24	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		04/16/21 09:34	04/20/21 11:40	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 11:40	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/16/21 09:34	04/20/21 11:40	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/16/21 09:34	04/20/21 11:40	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 11:40	1
1,4-Dioxane	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 11:40	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/16/21 09:34	04/20/21 11:40	1
Hexachloroethane	ND		10	4.2	ug/L		04/16/21 09:34	04/20/21 11:40	1
Indene	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Isophorone	ND		10	0.14	ug/L		04/16/21 09:34	04/20/21 11:40	1
2-Methylphenol	ND		10	1.8	ug/L		04/16/21 09:34	04/20/21 11:40	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/16/21 09:34	04/20/21 11:40	1
2-Nitroaniline	ND		10	2.2	ug/L		04/16/21 09:34	04/20/21 11:40	1
3-Nitroaniline	ND		10	1.8	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Nitroaniline	ND		10	1.5	ug/L		04/16/21 09:34	04/20/21 11:40	1
Nitrobenzene	ND		10	0.13	ug/L		04/16/21 09:34	04/20/21 11:40	1
2-Nitrophenol	ND		10	5.2	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Nitrophenol	ND		10	2.1	ug/L		04/16/21 09:34	04/20/21 11:40	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		04/16/21 09:34	04/20/21 11:40	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		04/16/21 09:34	04/20/21 11:40	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/16/21 09:34	04/20/21 11:40	1
Pentachlorophenol	ND		20	1.4	ug/L		04/16/21 09:34	04/20/21 11:40	1
Phenol	ND		10	2.6	ug/L		04/16/21 09:34	04/20/21 11:40	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-527852/1-A
Matrix: Water
Analysis Batch: 528281

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	ND		10	3.2	ug/L		04/16/21 09:34	04/20/21 11:40	1
Quinoline	ND		10	4.5	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/16/21 09:34	04/20/21 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*46 - 124*	*04/16/21 09:34*	*04/20/21 11:40*	*1*
2-Fluorophenol	*28*		*13 - 113*	*04/16/21 09:34*	*04/20/21 11:40*	*1*
Nitrobenzene-d5	*70*		*36 - 126*	*04/16/21 09:34*	*04/20/21 11:40*	*1*
Phenol-d5	*59*		*17 - 127*	*04/16/21 09:34*	*04/20/21 11:40*	*1*
Terphenyl-d14	*85*		*44 - 149*	*04/16/21 09:34*	*04/20/21 11:40*	*1*
2,4,6-Tribromophenol	*62*		*26 - 150*	*04/16/21 09:34*	*04/20/21 11:40*	*1*

Lab Sample ID: LCS 400-527852/2-A
Matrix: Water
Analysis Batch: 528632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	69.1		ug/L		58	21 - 120
Benzoic acid	502	202		ug/L		40	10 - 144
Benzyl alcohol	120	55.5		ug/L		46	28 - 120
Bis(2-chloroethoxy)methane	120	62.4		ug/L		52	47 - 120
Bis(2-chloroethyl)ether	120	52.6		ug/L		44	44 - 120
bis (2-chloroisopropyl) ether	120	48.9		ug/L		41	33 - 121
Bis(2-ethylhexyl) phthalate	120	71.4		ug/L		60	52 - 147
4-Bromophenyl phenyl ether	120	78.3		ug/L		65	54 - 122
Butyl benzyl phthalate	120	70.5		ug/L		59	54 - 133
4-Chloroaniline	120	56.8		ug/L		47	26 - 120
4-Chloro-3-methylphenol	120	59.5		ug/L		50	48 - 131
2-Chloronaphthalene	120	72.3		ug/L		60	52 - 121
2-Chlorophenol	120	25.8	*-	ug/L		22	40 - 120
4-Chlorophenyl phenyl ether	120	78.1		ug/L		65	56 - 125
Dibenz[a,h]acridine	120	110		ug/L		92	31 - 150
Dibenzofuran	120	76.3		ug/L		64	56 - 122
3,3'-Dichlorobenzidine	160	144		ug/L		90	36 - 132
2,4-Dichlorophenol	120	42.9	*-	ug/L		36	49 - 120
Diethyl phthalate	120	76.6		ug/L		64	50 - 137
2,4-Dimethylphenol	120	61.3		ug/L		51	48 - 120
Dimethyl phthalate	120	73.9		ug/L		62	57 - 124
Di-n-butyl phthalate	120	73.1		ug/L		61	58 - 126
4,6-Dinitro-ortho-cresol	240	122		ug/L		51	23 - 148
2,4-Dinitrophenol	240	126		ug/L		52	10 - 150
2,4-Dinitrotoluene	120	81.1		ug/L		68	54 - 142
2,6-Dinitrotoluene	120	75.5		ug/L		63	55 - 130
Di-n-octyl phthalate	120	74.1		ug/L		62	57 - 138
1,4-Dioxane	120	43.0		ug/L		36	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	59.1		ug/L		49	45 - 124
Hexachlorobenzene	120	81.1		ug/L		68	52 - 129

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-527852/2-A
Matrix: Water
Analysis Batch: 528632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorocyclopentadiene	120	44.7		ug/L		37	10 - 134
Hexachloroethane	120	56.0		ug/L		47	20 - 120
Indene	120	96.1		ug/L		80	49 - 120
Isophorone	120	59.8		ug/L		50	48 - 120
2-Methylphenol	120	52.8	*-	ug/L		44	46 - 124
3 & 4 Methylphenol	120	48.2	*-	ug/L		40	45 - 120
2-Nitroaniline	120	61.4		ug/L		51	51 - 145
3-Nitroaniline	120	53.7		ug/L		45	37 - 127
4-Nitroaniline	120	74.8		ug/L		62	36 - 137
Nitrobenzene	120	57.0		ug/L		48	45 - 120
2-Nitrophenol	120	37.8	*-	ug/L		32	40 - 124
4-Nitrophenol	240	96.8		ug/L		40	23 - 146
N-Nitrosodimethylamine	120	56.7		ug/L		47	29 - 137
N-Nitrosodi-n-propylamine	120	61.9		ug/L		52	45 - 120
N-Nitrosodiphenylamine	119	69.3		ug/L		58	54 - 120
Pentachlorophenol	240	131		ug/L		55	31 - 130
Phenol	120	31.7		ug/L		26	11 - 120
Pyridine	240	81.3		ug/L		34	16 - 120
Quinoline	120	103		ug/L		86	49 - 130
2,4,5-Trichlorophenol	120	58.5	*-	ug/L		49	51 - 136
2,4,6-Trichlorophenol	120	55.2	*-	ug/L		46	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*46 - 124*
2-Fluorophenol	*17*		*13 - 113*
Nitrobenzene-d5	*75*		*36 - 126*
Phenol-d5	*41*		*17 - 127*
Terphenyl-d14	*101*		*44 - 149*
2,4,6-Tribromophenol	*94*		*26 - 150*

Lab Sample ID: LCS 400-527852/4-A
Matrix: Water
Analysis Batch: 528281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	2.56	J *-	ug/L		2	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*46 - 124*
2-Fluorophenol	*25*		*13 - 113*
Nitrobenzene-d5	*67*		*36 - 126*
Phenol-d5	*53*		*17 - 127*
Terphenyl-d14	*80*		*44 - 149*
2,4,6-Tribromophenol	*24*	*S1-*	*26 - 150*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-527852/3-A
Matrix: Water
Analysis Batch: 528632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	120	76.4		ug/L		64	21 - 120	10	30
Benzoic acid	502	101	*1	ug/L		20	10 - 144	67	30
Benzyl alcohol	120	60.6		ug/L		50	28 - 120	9	30
Bis(2-chloroethoxy)methane	120	67.7		ug/L		56	47 - 120	8	30
Bis(2-chloroethyl)ether	120	57.9		ug/L		48	44 - 120	10	30
bis (2-chloroisopropyl) ether	120	52.0		ug/L		43	33 - 121	6	30
Bis(2-ethylhexyl) phthalate	120	73.9		ug/L		62	52 - 147	3	30
4-Bromophenyl phenyl ether	120	84.4		ug/L		70	54 - 122	8	30
Butyl benzyl phthalate	120	76.1		ug/L		63	54 - 133	8	30
4-Chloroaniline	120	64.3		ug/L		54	26 - 120	12	30
4-Chloro-3-methylphenol	120	65.7		ug/L		55	48 - 131	10	30
2-Chloronaphthalene	120	77.4		ug/L		64	52 - 121	7	30
2-Chlorophenol	120	28.4	*-	ug/L		24	40 - 120	9	30
4-Chlorophenyl phenyl ether	120	84.2		ug/L		70	56 - 125	8	30
Dibenz[a,h]acridine	120	108		ug/L		90	31 - 150	2	30
Dibenzofuran	120	81.9		ug/L		68	56 - 122	7	30
3,3'-Dichlorobenzidine	160	143		ug/L		89	36 - 132	1	30
2,4-Dichlorophenol	120	50.2	*-	ug/L		42	49 - 120	16	30
Diethyl phthalate	120	80.7		ug/L		67	50 - 137	5	30
2,4-Dimethylphenol	120	68.5		ug/L		57	48 - 120	11	30
Dimethyl phthalate	120	79.3		ug/L		66	57 - 124	7	30
Di-n-butyl phthalate	120	76.3		ug/L		64	58 - 126	4	30
4,6-Dinitro-ortho-cresol	240	109		ug/L		46	23 - 148	11	30
2,4-Dinitrophenol	240	101		ug/L		42	10 - 150	22	30
2,4-Dinitrotoluene	120	86.2		ug/L		72	54 - 142	6	30
2,6-Dinitrotoluene	120	81.5		ug/L		68	55 - 130	8	30
Di-n-octyl phthalate	120	76.0		ug/L		63	57 - 138	3	30
1,4-Dioxane	120	46.6		ug/L		39	31 - 120	8	30
1,2-Diphenylhydrazine (as Azobenzene)	120	64.3		ug/L		54	45 - 124	8	30
Hexachlorobenzene	120	88.7		ug/L		74	52 - 129	9	30
Hexachlorocyclopentadiene	120	48.4		ug/L		40	10 - 134	8	30
Hexachloroethane	120	61.4		ug/L		51	20 - 120	9	30
Indene	120	102		ug/L		85	49 - 120	6	30
Isophorone	120	65.6		ug/L		55	48 - 120	9	30
2-Methylphenol	120	59.1		ug/L		49	46 - 124	11	30
3 & 4 Methylphenol	120	55.0		ug/L		46	45 - 120	13	30
2-Nitroaniline	120	65.9		ug/L		55	51 - 145	7	30
3-Nitroaniline	120	57.9		ug/L		48	37 - 127	8	30
4-Nitroaniline	120	76.8		ug/L		64	36 - 137	3	30
Nitrobenzene	120	62.9		ug/L		52	45 - 120	10	30
2-Nitrophenol	120	39.6	*-	ug/L		33	40 - 124	5	30
4-Nitrophenol	240	76.7		ug/L		32	23 - 146	23	30
N-Nitrosodimethylamine	120	56.9		ug/L		47	29 - 137	0	30
N-Nitrosodi-n-propylamine	120	67.3		ug/L		56	45 - 120	8	30
N-Nitrosodiphenylamine	119	75.1		ug/L		63	54 - 120	8	30
Pentachlorophenol	240	133		ug/L		55	31 - 130	1	30
Phenol	120	35.5		ug/L		30	11 - 120	11	30
Pyridine	240	82.4		ug/L		34	16 - 120	1	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-527852/3-A
Matrix: Water
Analysis Batch: 528632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527852

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Quinoline			120	116		ug/L		97	49 - 130	11	30
2,4,5-Trichlorophenol			120	61.5		ug/L		51	51 - 136	5	30
2,4,6-Trichlorophenol			120	55.7	*-	ug/L		46	50 - 127	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*96*		*46 - 124*
2-Fluorophenol	*18*		*13 - 113*
Nitrobenzene-d5	*83*		*36 - 126*
Phenol-d5	*47*		*17 - 127*
Terphenyl-d14	*108*		*44 - 149*
2,4,6-Tribromophenol	*95*		*26 - 150*

Lab Sample ID: LCSD 400-527852/5-A
Matrix: Water
Analysis Batch: 528281

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527852

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol			120	84.5	*1	ug/L		70	10 - 120	188	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*46 - 124*
2-Fluorophenol	*82*		*13 - 113*
Nitrobenzene-d5	*78*		*36 - 126*
Phenol-d5	*84*		*17 - 127*
Terphenyl-d14	*101*		*44 - 149*
2,4,6-Tribromophenol	*62*		*26 - 150*

Lab Sample ID: 400-201971-7 MS
Matrix: Water
Analysis Batch: 528281

Client Sample ID: MW12-ROX-041221
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND		114	48.6		ug/L		42	10 - 120
Benzoic acid	ND	*1	478	228		ug/L		48	10 - 149
Benzyl alcohol	ND		114	47.2		ug/L		41	33 - 120
Bis(2-chloroethoxy)methane	ND		114	39.7		ug/L		35	26 - 120
Bis(2-chloroethyl)ether	ND	F1	114	36.6	F1	ug/L		32	42 - 120
bis (2-chloroisopropyl) ether	ND		114	41.5		ug/L		36	28 - 120
Bis(2-ethylhexyl) phthalate	ND		114	52.2		ug/L		46	39 - 120
4-Bromophenyl phenyl ether	ND		114	52.0		ug/L		45	40 - 120
Butyl benzyl phthalate	ND		114	52.8		ug/L		46	45 - 120
4-Chloroaniline	ND		114	35.5		ug/L		31	10 - 120
4-Chloro-3-methylphenol	ND		114	51.3		ug/L		45	34 - 120
2-Chloronaphthalene	ND	F1	114	43.9	F1	ug/L		38	39 - 120
2-Chlorophenol	ND	*-	114	41.5		ug/L		36	25 - 120
4-Chlorophenyl phenyl ether	ND	F1	114	49.5	F1	ug/L		43	44 - 120
Dibenz[a,h]acridine	ND		114	60.9		ug/L		53	50 - 150
Dibenzofuran	ND		114	47.1		ug/L		41	25 - 130

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-201971-7 MS
Matrix: Water
Analysis Batch: 528281

Client Sample ID: MW12-ROX-041221
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
3,3'-Dichlorobenzidine	ND		153	50.8		ug/L		33	10 - 120
2,4-Dichlorophenol	ND	*-	114	44.0		ug/L		38	31 - 120
Diethyl phthalate	ND		114	52.3		ug/L		46	46 - 120
2,4-Dimethylphenol	ND		114	41.6		ug/L		36	21 - 120
Dimethyl phthalate	ND		114	50.5		ug/L		44	38 - 120
Di-n-butyl phthalate	ND	F1	114	54.4	F1	ug/L		48	49 - 120
4,6-Dinitro-ortho-cresol	ND		229	107		ug/L		47	25 - 120
2,4-Dinitrophenol	ND		229	140		ug/L		61	15 - 140
2,4-Dinitrotoluene	ND	F1	114	53.3	F1	ug/L		47	53 - 120
2,6-Dinitrotoluene	ND		114	51.0		ug/L		45	43 - 120
Di-n-octyl phthalate	ND		114	51.1		ug/L		45	35 - 121
1,4-Dioxane	ND	F1	114	27.8	F1	ug/L		24	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND	F1	114	44.2	F1	ug/L		39	50 - 150
Hexachlorobenzene	ND		114	52.7		ug/L		46	38 - 122
Hexachlorocyclopentadiene	ND		114	35.1		ug/L		31	10 - 120
Hexachloroethane	ND		114	46.7		ug/L		41	10 - 150
Indene	ND		114	70.7		ug/L		62	50 - 150
Isophorone	ND	F1	114	43.9	F1	ug/L		38	42 - 120
2-Methylphenol	ND	*-	114	48.8		ug/L		43	28 - 120
3 & 4 Methylphenol	ND	*-	114	44.3		ug/L		39	31 - 120
2-Nitroaniline	ND	F1	114	19.9	F1	ug/L		17	45 - 120
3-Nitroaniline	ND		114	34.5		ug/L		30	10 - 130
4-Nitroaniline	ND		114	20.2		ug/L		18	10 - 132
Nitrobenzene	ND		114	69.8		ug/L		61	39 - 120
2-Nitrophenol	ND	*-	114	51.1		ug/L		45	33 - 120
4-Nitrophenol	ND		229	94.1		ug/L		41	10 - 120
N-Nitrosodimethylamine	ND		114	44.4		ug/L		39	10 - 139
N-Nitrosodi-n-propylamine	ND		114	48.6		ug/L		42	37 - 124
N-Nitrosodiphenylamine	ND		114	30.0		ug/L		26	10 - 150
Pentachlorophenol	ND		229	87.6		ug/L		38	29 - 130
Phenol	ND		114	39.0		ug/L		34	10 - 150
Pyridine	ND		229	63.0		ug/L		28	10 - 120
Quinoline	ND		114	73.4		ug/L		64	51 - 120
2,4,5-Trichlorophenol	ND	*-	114	49.2		ug/L		43	34 - 120
2,4,6-Trichlorophenol	ND	*-	114	45.2		ug/L		39	33 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*60*		*46 - 124*
2-Fluorophenol	*36*		*13 - 113*
Nitrobenzene-d5	*60*		*36 - 126*
Phenol-d5	*55*		*17 - 127*
Terphenyl-d14	*67*		*44 - 149*
2,4,6-Tribromophenol	*65*		*26 - 150*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-201971-7 MSD
Matrix: Water
Analysis Batch: 528281

Client Sample ID: MW12-ROX-041221
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND		114	50.7		ug/L		44	10 - 120	4	63
Benzoic acid	ND	*1	478	248		ug/L		52	10 - 149	8	49
Benzyl alcohol	ND		114	51.0		ug/L		45	33 - 120	8	37
Bis(2-chloroethoxy)methane	ND		114	41.4		ug/L		36	26 - 120	4	70
Bis(2-chloroethyl)ether	ND	F1	114	39.2	F1	ug/L		34	42 - 120	7	42
bis (2-chloroisopropyl) ether	ND		114	43.3		ug/L		38	28 - 120	4	41
Bis(2-ethylhexyl) phthalate	ND		114	51.4		ug/L		45	39 - 120	2	35
4-Bromophenyl phenyl ether	ND		114	54.2		ug/L		47	40 - 120	4	30
Butyl benzyl phthalate	ND		114	53.7		ug/L		47	45 - 120	2	32
4-Chloroaniline	ND		114	38.8		ug/L		34	10 - 120	9	94
4-Chloro-3-methylphenol	ND		114	53.6		ug/L		47	34 - 120	4	40
2-Chloronaphthalene	ND	F1	114	46.8		ug/L		41	39 - 120	6	29
2-Chlorophenol	ND	*-	114	42.9		ug/L		38	25 - 120	3	42
4-Chlorophenyl phenyl ether	ND	F1	114	51.7		ug/L		45	44 - 120	4	27
Dibenz[a,h]acridine	ND		114	65.4		ug/L		57	50 - 150	7	40
Dibenzofuran	ND		114	49.1		ug/L		43	25 - 130	4	29
3,3'-Dichlorobenzidine	ND		152	53.9		ug/L		35	10 - 120	6	58
2,4-Dichlorophenol	ND	*-	114	46.8		ug/L		41	31 - 120	6	43
Diethyl phthalate	ND		114	54.3		ug/L		48	46 - 120	4	40
2,4-Dimethylphenol	ND		114	42.4		ug/L		37	21 - 120	2	47
Dimethyl phthalate	ND		114	52.2		ug/L		46	38 - 120	3	36
Di-n-butyl phthalate	ND	F1	114	56.0		ug/L		49	49 - 120	3	32
4,6-Dinitro-ortho-cresol	ND		228	116		ug/L		51	25 - 120	8	42
2,4-Dinitrophenol	ND		228	156		ug/L		68	15 - 140	11	36
2,4-Dinitrotoluene	ND	F1	114	55.3	F1	ug/L		48	53 - 120	4	28
2,6-Dinitrotoluene	ND		114	53.5		ug/L		47	43 - 120	5	28
Di-n-octyl phthalate	ND		114	50.6		ug/L		44	35 - 121	1	35
1,4-Dioxane	ND	F1	114	32.7	F1	ug/L		29	50 - 150	16	40
1,2-Diphenylhydrazine (as Azobenzene)	ND	F1	114	46.4	F1	ug/L		41	50 - 150	5	40
Hexachlorobenzene	ND		114	54.9		ug/L		48	38 - 122	4	33
Hexachlorocyclopentadiene	ND		114	36.1		ug/L		32	10 - 120	3	50
Hexachloroethane	ND		114	48.6		ug/L		43	10 - 150	4	41
Indene	ND		114	73.8		ug/L		65	50 - 150	4	40
Isophorone	ND	F1	114	45.3	F1	ug/L		40	42 - 120	3	33
2-Methylphenol	ND	*-	114	51.0		ug/L		45	28 - 120	4	47
3 & 4 Methylphenol	ND	*-	114	46.5		ug/L		41	31 - 120	5	47
2-Nitroaniline	ND	F1	114	22.4	F1	ug/L		20	45 - 120	12	33
3-Nitroaniline	ND		114	38.8		ug/L		34	10 - 130	12	39
4-Nitroaniline	ND		114	21.9		ug/L		19	10 - 132	8	50
Nitrobenzene	ND		114	68.0		ug/L		59	39 - 120	3	35
2-Nitrophenol	ND	*-	114	54.7		ug/L		48	33 - 120	7	43
4-Nitrophenol	ND		228	103		ug/L		45	10 - 120	9	82
N-Nitrosodimethylamine	ND		114	48.7		ug/L		43	10 - 139	9	62
N-Nitrosodi-n-propylamine	ND		114	50.6		ug/L		44	37 - 124	4	36
N-Nitrosodiphenylamine	ND		113	35.3		ug/L		31	10 - 150	16	34
Pentachlorophenol	ND		228	97.7		ug/L		43	29 - 130	11	42
Phenol	ND		114	40.9		ug/L		36	10 - 150	5	52
Pyridine	ND		228	64.8		ug/L		28	10 - 120	3	55

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-201971-7 MSD
Matrix: Water
Analysis Batch: 528281

Client Sample ID: MW12-ROX-041221
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Quinoline	ND		114	76.3		ug/L		67	51 - 120	4	40
2,4,5-Trichlorophenol	ND	*-	114	52.0		ug/L		46	34 - 120	6	42
2,4,6-Trichlorophenol	ND	*-	114	49.1		ug/L		43	33 - 120	8	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*46 - 124*
2-Fluorophenol	*35*		*13 - 113*
Nitrobenzene-d5	*63*		*36 - 126*
Phenol-d5	*59*		*17 - 127*
Terphenyl-d14	*69*		*44 - 149*
2,4,6-Tribromophenol	*74*		*26 - 150*

Lab Sample ID: MB 400-529209/1-A
Matrix: Water
Analysis Batch: 529498

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529209

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		10	2.2	ug/L		04/26/21 13:34	04/28/21 14:24	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/26/21 13:34	04/28/21 14:24	1
2-Methylphenol	ND		10	1.8	ug/L		04/26/21 13:34	04/28/21 14:24	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/26/21 13:34	04/28/21 14:24	1
2-Nitrophenol	ND		10	5.2	ug/L		04/26/21 13:34	04/28/21 14:24	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/26/21 13:34	04/28/21 14:24	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/26/21 13:34	04/28/21 14:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*46 - 124*	*04/26/21 13:34*	*04/28/21 14:24*	*1*
2-Fluorophenol	*36*		*13 - 113*	*04/26/21 13:34*	*04/28/21 14:24*	*1*
Nitrobenzene-d5	*72*		*36 - 126*	*04/26/21 13:34*	*04/28/21 14:24*	*1*
Phenol-d5	*62*		*17 - 127*	*04/26/21 13:34*	*04/28/21 14:24*	*1*
Terphenyl-d14	*105*		*44 - 149*	*04/26/21 13:34*	*04/28/21 14:24*	*1*
2,4,6-Tribromophenol	*70*		*26 - 150*	*04/26/21 13:34*	*04/28/21 14:24*	*1*

Lab Sample ID: LCS 400-529209/2-A
Matrix: Water
Analysis Batch: 529498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529209

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorophenol	120	94.0		ug/L		78	40 - 120
2,4-Dichlorophenol	120	92.5		ug/L		77	49 - 120
2-Methylphenol	120	102		ug/L		85	46 - 124
3 & 4 Methylphenol	120	93.4		ug/L		78	45 - 120
2-Nitrophenol	120	97.9		ug/L		82	40 - 124
2,4,5-Trichlorophenol	120	104		ug/L		86	51 - 136
2,4,6-Trichlorophenol	120	94.6		ug/L		79	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*46 - 124*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529209/2-A
Matrix: Water
Analysis Batch: 529498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529209

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol	64		13 - 113
Nitrobenzene-d5	70		36 - 126
Phenol-d5	75		17 - 127
Terphenyl-d14	90		44 - 149
2,4,6-Tribromophenol	99		26 - 150

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Lab Sample ID: 400-201971-7 MS
Matrix: Water
Analysis Batch: 529498

Client Sample ID: MW12-ROX-041221
Prep Type: Total/NA
Prep Batch: 529209

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorophenol - RERA	ND	H	116	73.9	H	ug/L		63	25 - 120
2,4-Dichlorophenol - RERA	ND	H	116	73.1	H	ug/L		63	31 - 120
2-Methylphenol - RERA	ND	H	116	78.7	H	ug/L		68	28 - 120
3 & 4 Methylphenol - RERA	ND	H	116	70.2	H	ug/L		60	31 - 120
2-Nitrophenol - RERA	ND	H	116	81.4	H	ug/L		70	33 - 120
2,4,5-Trichlorophenol - RERA	ND	H	116	82.3	H	ug/L		71	34 - 120
2,4,6-Trichlorophenol - RERA	ND	H	116	75.1	H	ug/L		65	33 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl - RERA	61		46 - 124
2-Fluorophenol - RERA	53		13 - 113
Nitrobenzene-d5 - RERA	58		36 - 126
Phenol-d5 - RERA	59		17 - 127
Terphenyl-d14 - RERA	70		44 - 149
2,4,6-Tribromophenol - RERA	80		26 - 150

Lab Sample ID: 400-201971-7 MSD
Matrix: Water
Analysis Batch: 529498

Client Sample ID: MW12-ROX-041221
Prep Type: Total/NA
Prep Batch: 529209

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chlorophenol - RERA	ND	H	114	76.3	H	ug/L		67	25 - 120	3	42
2,4-Dichlorophenol - RERA	ND	H	114	78.2	H	ug/L		69	31 - 120	7	43
2-Methylphenol - RERA	ND	H	114	83.4	H	ug/L		73	28 - 120	6	47
3 & 4 Methylphenol - RERA	ND	H	114	76.3	H	ug/L		67	31 - 120	8	47
2-Nitrophenol - RERA	ND	H	114	85.9	H	ug/L		76	33 - 120	5	43
2,4,5-Trichlorophenol - RERA	ND	H	114	88.0	H	ug/L		77	34 - 120	7	42
2,4,6-Trichlorophenol - RERA	ND	H	114	78.6	H	ug/L		69	33 - 120	5	44

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl - RERA	66		46 - 124
2-Fluorophenol - RERA	51		13 - 113
Nitrobenzene-d5 - RERA	63		36 - 126
Phenol-d5 - RERA	64		17 - 127
Terphenyl-d14 - RERA	78		44 - 149

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Lab Sample ID: 400-201971-7 MSD
Matrix: Water
Analysis Batch: 529498

Client Sample ID: MW12-ROX-041221
Prep Type: Total/NA
Prep Batch: 529209

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol - RERA	85		26 - 150

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-527852/1-A
Matrix: Water
Analysis Batch: 528357

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		04/16/21 09:34	04/20/21 17:02	1
Acenaphthylene	ND		0.20	0.045	ug/L		04/16/21 09:34	04/20/21 17:02	1
Anthracene	ND		0.20	0.032	ug/L		04/16/21 09:34	04/20/21 17:02	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		04/16/21 09:34	04/20/21 17:02	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/16/21 09:34	04/20/21 17:02	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/16/21 09:34	04/20/21 17:02	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/16/21 09:34	04/20/21 17:02	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/16/21 09:34	04/20/21 17:02	1
Chrysene	ND		0.20	0.074	ug/L		04/16/21 09:34	04/20/21 17:02	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		04/16/21 09:34	04/20/21 17:02	1
Fluoranthene	ND		0.20	0.068	ug/L		04/16/21 09:34	04/20/21 17:02	1
Fluorene	ND		0.20	0.11	ug/L		04/16/21 09:34	04/20/21 17:02	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/16/21 09:34	04/20/21 17:02	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		04/16/21 09:34	04/20/21 17:02	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		04/16/21 09:34	04/20/21 17:02	1
Phenanthrene	ND		0.20	0.036	ug/L		04/16/21 09:34	04/20/21 17:02	1
Pyrene	ND		0.20	0.040	ug/L		04/16/21 09:34	04/20/21 17:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	65		15 - 122	04/16/21 09:34	04/20/21 17:02	1
Nitrobenzene-d5	32		19 - 130	04/16/21 09:34	04/20/21 17:02	1
Terphenyl-d14	80		33 - 138	04/16/21 09:34	04/20/21 17:02	1

Lab Sample ID: LCS 400-527852/2-A
Matrix: Water
Analysis Batch: 528357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	63.5		ug/L		53	41 - 120
Acenaphthylene	120	66.1		ug/L		55	44 - 120
Anthracene	120	68.1		ug/L		57	49 - 120
Benzo[a]anthracene	120	62.5	*-	ug/L		52	61 - 135
Benzo[a]pyrene	120	68.2		ug/L		57	52 - 120
Benzo[b]fluoranthene	120	61.8	*-	ug/L		51	53 - 134
Benzo[g,h,i]perylene	120	60.6		ug/L		50	47 - 133
Benzo[k]fluoranthene	120	60.3	*-	ug/L		50	57 - 134
Chrysene	120	58.3	*-	ug/L		49	55 - 122
Dibenz(a,h)anthracene	120	58.9		ug/L		49	48 - 146
Fluoranthene	120	73.6		ug/L		61	54 - 128

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-527852/2-A
Matrix: Water
Analysis Batch: 528357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	120	67.1		ug/L		56	45 - 125
Indeno[1,2,3-cd]pyrene	120	59.5		ug/L		50	43 - 142
1-Methylnaphthalene	120	49.6		ug/L		41	41 - 120
2-Methylnaphthalene	120	53.7		ug/L		45	32 - 124
Phenanthrene	120	63.3		ug/L		53	48 - 120
Pyrene	120	62.3		ug/L		52	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*15 - 122*
Nitrobenzene-d5	*32*		*19 - 130*
Terphenyl-d14	*86*		*33 - 138*

Lab Sample ID: LCSD 400-527852/3-A
Matrix: Water
Analysis Batch: 528357

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	120	68.1		ug/L		57	41 - 120	7	56
Acenaphthylene	120	69.9		ug/L		58	44 - 120	6	56
Anthracene	120	72.6		ug/L		61	49 - 120	6	51
Benzo[a]anthracene	120	66.7	*-	ug/L		56	61 - 135	7	49
Benzo[a]pyrene	120	73.9		ug/L		62	52 - 120	8	50
Benzo[b]fluoranthene	120	67.0		ug/L		56	53 - 134	8	54
Benzo[g,h,i]perylene	120	64.5		ug/L		54	47 - 133	6	50
Benzo[k]fluoranthene	120	66.0	*-	ug/L		55	57 - 134	9	52
Chrysene	120	62.7	*-	ug/L		52	55 - 122	7	50
Dibenz(a,h)anthracene	120	62.1		ug/L		52	48 - 146	5	50
Fluoranthene	120	76.9		ug/L		64	54 - 128	4	52
Fluorene	120	71.4		ug/L		60	45 - 125	6	56
Indeno[1,2,3-cd]pyrene	120	63.7		ug/L		53	43 - 142	7	51
1-Methylnaphthalene	120	52.8		ug/L		44	41 - 120	6	55
2-Methylnaphthalene	120	56.9		ug/L		47	32 - 124	6	57
Phenanthrene	120	66.4		ug/L		55	48 - 120	5	56
Pyrene	120	65.2		ug/L		54	48 - 132	5	52

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*15 - 122*
Nitrobenzene-d5	*29*		*19 - 130*
Terphenyl-d14	*86*		*33 - 138*

Lab Sample ID: 400-201971-7 MS
Matrix: Water
Analysis Batch: 528357

Client Sample ID: MW12-ROX-041221
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		114	61.0		ug/L		53	35 - 113
Acenaphthylene	ND		114	64.4		ug/L		56	41 - 118
Anthracene	ND		114	62.3		ug/L		54	45 - 122

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 400-201971-7 MS
Matrix: Water
Analysis Batch: 528357

Client Sample ID: MW12-ROX-041221
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	ND	*- F1	114	61.4	F1	ug/L		54	55 - 133
Benzo[a]pyrene	ND		114	64.4		ug/L		56	50 - 108
Benzo[b]fluoranthene	ND	*-	114	61.1		ug/L		53	50 - 128
Benzo[g,h,i]perylene	ND		114	56.5		ug/L		49	46 - 133
Benzo[k]fluoranthene	ND	*-	114	60.3		ug/L		53	52 - 128
Chrysene	ND	*- F1	114	58.4	F1	ug/L		51	52 - 116
Dibenz(a,h)anthracene	ND	F1 *-	114	56.8	F1	ug/L		50	52 - 143
Fluoranthene	ND		114	71.5		ug/L		62	32 - 150
Fluorene	ND		114	66.1		ug/L		58	15 - 150
Indeno[1,2,3-cd]pyrene	ND		114	55.8		ug/L		49	41 - 141
1-Methylnaphthalene	ND		114	50.0		ug/L		44	10 - 150
2-Methylnaphthalene	ND		114	54.1		ug/L		47	10 - 150
Phenanthrene	ND		114	63.0		ug/L		55	36 - 125
Pyrene	ND		114	60.0		ug/L		52	41 - 127

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*15 - 122*
Nitrobenzene-d5	*25*		*19 - 130*
Terphenyl-d14	*83*		*33 - 138*

Lab Sample ID: 400-201971-7 MSD
Matrix: Water
Analysis Batch: 528357

Client Sample ID: MW12-ROX-041221
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		114	63.3		ug/L		55	35 - 113	4	49
Acenaphthylene	ND		114	66.3		ug/L		58	41 - 118	3	48
Anthracene	ND		114	64.7		ug/L		57	45 - 122	4	56
Benzo[a]anthracene	ND	*- F1	114	63.6		ug/L		56	55 - 133	4	57
Benzo[a]pyrene	ND		114	66.3		ug/L		58	50 - 108	3	59
Benzo[b]fluoranthene	ND	*-	114	60.5		ug/L		53	50 - 128	1	62
Benzo[g,h,i]perylene	ND		114	57.9		ug/L		51	46 - 133	2	58
Benzo[k]fluoranthene	ND	*-	114	62.9		ug/L		55	52 - 128	4	58
Chrysene	ND	*- F1	114	58.9		ug/L		52	52 - 116	1	59
Dibenz(a,h)anthracene	ND	F1 *-	114	57.3	F1	ug/L		50	52 - 143	1	60
Fluoranthene	ND		114	73.7		ug/L		65	32 - 150	3	59
Fluorene	ND		114	68.6		ug/L		60	15 - 150	4	49
Indeno[1,2,3-cd]pyrene	ND		114	57.0		ug/L		50	41 - 141	2	58
1-Methylnaphthalene	ND		114	50.2		ug/L		44	10 - 150	0	66
2-Methylnaphthalene	ND		114	55.0		ug/L		48	10 - 150	2	66
Phenanthrene	ND		114	63.8		ug/L		56	36 - 125	1	69
Pyrene	ND		114	62.9		ug/L		55	41 - 127	5	58

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*15 - 122*
Nitrobenzene-d5	*20*		*19 - 130*
Terphenyl-d14	*86*		*33 - 138*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 400-529209/1-A
Matrix: Water
Analysis Batch: 529447

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529209

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		04/26/21 13:34	04/28/21 15:27	1
Acenaphthylene	ND		0.20	0.045	ug/L		04/26/21 13:34	04/28/21 15:27	1
Anthracene	ND		0.20	0.032	ug/L		04/26/21 13:34	04/28/21 15:27	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		04/26/21 13:34	04/28/21 15:27	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/26/21 13:34	04/28/21 15:27	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/26/21 13:34	04/28/21 15:27	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/26/21 13:34	04/28/21 15:27	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/26/21 13:34	04/28/21 15:27	1
Chrysene	ND		0.20	0.074	ug/L		04/26/21 13:34	04/28/21 15:27	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		04/26/21 13:34	04/28/21 15:27	1
Fluoranthene	ND		0.20	0.068	ug/L		04/26/21 13:34	04/28/21 15:27	1
Fluorene	ND		0.20	0.11	ug/L		04/26/21 13:34	04/28/21 15:27	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/26/21 13:34	04/28/21 15:27	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		04/26/21 13:34	04/28/21 15:27	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		04/26/21 13:34	04/28/21 15:27	1
Phenanthrene	ND		0.20	0.036	ug/L		04/26/21 13:34	04/28/21 15:27	1
Pyrene	ND		0.20	0.040	ug/L		04/26/21 13:34	04/28/21 15:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*15 - 122*	*04/26/21 13:34*	*04/28/21 15:27*	*1*
Nitrobenzene-d5	*29*		*19 - 130*	*04/26/21 13:34*	*04/28/21 15:27*	*1*
Terphenyl-d14	*81*		*33 - 138*	*04/26/21 13:34*	*04/28/21 15:27*	*1*

Lab Sample ID: LCS 400-529209/2-A
Matrix: Water
Analysis Batch: 529447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529209

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	113		ug/L		94	41 - 120
Acenaphthylene	120	113		ug/L		94	44 - 120
Anthracene	120	110		ug/L		92	49 - 120
Benzo[a]anthracene	120	106		ug/L		88	61 - 135
Benzo[a]pyrene	120	115		ug/L		95	52 - 120
Benzo[b]fluoranthene	120	98.9		ug/L		82	53 - 134
Benzo[g,h,i]perylene	120	104		ug/L		87	47 - 133
Benzo[k]fluoranthene	120	112		ug/L		93	57 - 134
Chrysene	120	103		ug/L		86	55 - 122
Dibenz(a,h)anthracene	120	104		ug/L		86	48 - 146
Fluoranthene	120	118		ug/L		98	54 - 128
Fluorene	120	120		ug/L		100	45 - 125
Indeno[1,2,3-cd]pyrene	120	103		ug/L		86	43 - 142
1-Methylnaphthalene	120	84.9		ug/L		71	41 - 120
2-Methylnaphthalene	120	94.3		ug/L		79	32 - 124
Phenanthrene	120	104		ug/L		87	48 - 120
Pyrene	120	108		ug/L		90	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*85*		*15 - 122*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-529209/2-A
Matrix: Water
Analysis Batch: 529447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529209

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*25*		*19 - 130*
Terphenyl-d14	*93*		*33 - 138*

Lab Sample ID: 400-201971-7 MS
Matrix: Water
Analysis Batch: 529447

Client Sample ID: MW12-ROX-041221
Prep Type: Total/NA
Prep Batch: 529209

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND	H	116	109	H	ug/L		94	35 - 113
Acenaphthylene	ND	H	116	111	H	ug/L		95	41 - 118
Anthracene	ND	H	116	105	H	ug/L		90	45 - 122
Benzo[a]anthracene	ND	H	116	104	H	ug/L		90	55 - 133
Benzo[a]pyrene	ND	H	116	114	H	ug/L		97	50 - 108
Benzo[b]fluoranthene	ND	H	116	102	H	ug/L		87	50 - 128
Benzo[g,h,i]perylene	ND	H	116	97.3	H	ug/L		84	46 - 133
Benzo[k]fluoranthene	ND	H	116	113	H	ug/L		97	52 - 128
Chrysene	ND	H	116	102	H	ug/L		87	52 - 116
Dibenz(a,h)anthracene	ND	H	116	98.9	H	ug/L		85	52 - 143
Fluoranthene	ND	H	116	119	H	ug/L		102	32 - 150
Fluorene	ND	H	116	118	H	ug/L		101	15 - 150
Indeno[1,2,3-cd]pyrene	ND	H	116	98.1	H	ug/L		84	41 - 141
1-Methylnaphthalene	ND	H	116	85.1	H	ug/L		73	10 - 150
2-Methylnaphthalene	ND	H	116	95.0	H	ug/L		82	10 - 150
Phenanthrene	ND	H	116	104	H	ug/L		89	36 - 125
Pyrene	ND	H	116	103	H	ug/L		88	41 - 127

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*85*		*15 - 122*
Nitrobenzene-d5	*33*		*19 - 130*
Terphenyl-d14	*91*		*33 - 138*

Lab Sample ID: 400-201971-7 MSD
Matrix: Water
Analysis Batch: 529447

Client Sample ID: MW12-ROX-041221
Prep Type: Total/NA
Prep Batch: 529209

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND	H	114	109	H	ug/L		96	35 - 113	0	49
Acenaphthylene	ND	H	114	111	H	ug/L		97	41 - 118	0	48
Anthracene	ND	H	114	104	H	ug/L		91	45 - 122	1	56
Benzo[a]anthracene	ND	H	114	102	H	ug/L		90	55 - 133	2	57
Benzo[a]pyrene	ND	H	114	112	H	ug/L		98	50 - 108	1	59
Benzo[b]fluoranthene	ND	H	114	106	H	ug/L		93	50 - 128	4	62
Benzo[g,h,i]perylene	ND	H	114	98.9	H	ug/L		87	46 - 133	2	58
Benzo[k]fluoranthene	ND	H	114	109	H	ug/L		96	52 - 128	4	58
Chrysene	ND	H	114	99.7	H	ug/L		88	52 - 116	2	59
Dibenz(a,h)anthracene	ND	H	114	97.9	H	ug/L		86	52 - 143	1	60
Fluoranthene	ND	H	114	114	H	ug/L		100	32 - 150	4	59
Fluorene	ND	H	114	117	H	ug/L		103	15 - 150	1	49

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 400-201971-7 MSD — **Client Sample ID: MW12-ROX-041221**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 529447 — **Prep Batch: 529209**

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	H	114	96.0	H	ug/L		84	41 - 141	2	58
1-Methylnaphthalene	ND	H	114	85.4	H	ug/L		75	10 - 150	0	66
2-Methylnaphthalene	ND	H	114	95.3	H	ug/L		84	10 - 150	0	66
Phenanthrene	ND	H	114	102	H	ug/L		90	36 - 125	2	69
Pyrene	ND	H	114	106	H	ug/L		93	41 - 127	3	58

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*15 - 122*
Nitrobenzene-d5	*35*		*19 - 130*
Terphenyl-d14	*96*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-528083/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 528112 — **Prep Batch: 528083**

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		04/19/21 09:01	04/19/21 12:07	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/19/21 09:01	04/19/21 12:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*73*		*51 - 149*	*04/19/21 09:01*	*04/19/21 12:07*	*1*

Lab Sample ID: LCS 400-528083/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 528112 — **Prep Batch: 528083**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.0864		ug/L		86	60 - 140
1,2-Dibromoethane	0.101	0.0884		ug/L		88	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*80*		*51 - 149*

Lab Sample ID: LCSD 400-528083/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 528112 — **Prep Batch: 528083**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.101	0.0709		ug/L		71	60 - 140	20	30
1,2-Dibromoethane	0.101	0.100		ug/L		99	60 - 140	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*85*		*51 - 149*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: MB 400-528531/1-A
Matrix: Water
Analysis Batch: 528406

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528531

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		04/21/21 12:16	04/21/21 16:02	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/21/21 12:16	04/21/21 16:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*51 - 149*	*04/21/21 12:16*	*04/21/21 16:02*	*1*

Lab Sample ID: LCS 400-528531/2-A
Matrix: Water
Analysis Batch: 528406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.0922		ug/L		92	60 - 140
1,2-Dibromoethane	0.101	0.108		ug/L		107	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*51 - 149*

Lab Sample ID: 400-201971-7 MS
Matrix: Water
Analysis Batch: 528406

Client Sample ID: MW12-ROX-041221
Prep Type: Total/NA
Prep Batch: 528531

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND	F2	0.101	0.0921		ug/L		92	65 - 135
1,2-Dibromoethane	ND		0.101	0.0946		ug/L		94	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*	*p*	*51 - 149*

Lab Sample ID: 400-201971-7 MSD
Matrix: Water
Analysis Batch: 528406

Client Sample ID: MW12-ROX-041221
Prep Type: Total/NA
Prep Batch: 528531

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	F2	0.101	0.0946	p	ug/L		94	65 - 135	3	20
1,2-Dibromoethane	ND		0.101	0.102		ug/L		100	65 - 135	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*99*	*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 (_____)

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 – 3.2.2F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES
DATE: 4/12/21
PAGE: 1 of 2

SAMPLING COMPANY: AECOM
LOG CODE:
ADDRESS: 100 N. Broadway, 20th Floor; ST. LOUIS, MO 63102, USA
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SITE ADDRESS: Street and City: 900 South Central Ave; ROXANA | State: IL
AECOM Project / Task Number: Roxana Quarterly GW 60648474 – 3.2.2F
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): Aaron Oliver, Tony Jones
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
60648474 – 3.2.2F

400-201971 COC

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270LL
	TB-ROX-041221-8011-A	04/12/21	00:00	Water	2					2		X		
	TB-ROX-041221-8260-A		00:00		2					2	X	X	X	X
	P114R-ROX-041221		0925		6			2		8	X	X	X	X
	MW13-ROX-041221		1025		6			2		8	X	X	X	X
	MW11-ROX-041221-EB		1140		6			2		8	X	X	X	X
	MW11-ROX-041221		1210		6			2		8	X	X	X	X
	MW12-ROX-041221		1300		6			2		8	X	X	X	X
	MW12-ROX-041221-MS		1300		6			2		8	X	X	X	X
	MW12-ROX-041221-MSD		1300		6			2		8	X	X	X	X

FIELD NOTES:
TEMPERATURE ON RECEIPT: 0.0°, 0.0°, 1.1°C
Container PID Readings or Laboratory Notes

	Relinquished by: (Signature)	Received by: (Signature)	Date	Time
	Aaron Oliver	Fedex: 9509 0064 1504 / 9509 0064 1320 / 9509 0064 1467	4/12/21	1600
		ETA PCN	4/13/21	940

CUSTODY SEALS: 1450625, 1450624, 1450623, 1450622, 1450620, 1450621

Version 2Apr21

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4/29/2021

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 (_____)

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 – 3.2.2F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT #; APPLIES
DATE: 4/12/21
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 – 3.2.2F
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): M D'Angelo J Mayer
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
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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* 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
60648474 – 3.2.2F

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	8011 EDB + DBCP	SVOC 8270	PAH 8270LL
	TB-ROX-041221-8011-B	4/12/21	0000	Water	2					2		X		
	TB-ROX-041221-8260-B		0000		2					2	X			
	P74-ROX-041221		1035		6			2		8	X	X	X	X
	P57-ROX-041221		1140		6			2		8	X	X	X	X
	P57-ROX-041221-DUP		1140		6			2		8	X	X	X	X

Relinquished by: (Signature) M D'Angelo 4/12/21
Relinquished by: (Signature) M D'Angelo
Relinquished by: (Signature)

Received by: (Signature) Fedex: See page 1
Received by: (Signature) ETA Pon
Received by: (Signature)

Date: 4/12/21 Time: 1600
Date: 4/13/21 Time: 940
Date: Time:

CUSTODY SEALS: See page 1

Version 2Apr21

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4/29/2021

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-201971-1

Login Number: 201971
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, 0.0°C, 1.1°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: 400-201971-1

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
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
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	P330-21-00056	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 – 2nd Quarter 2021 Data Review

Laboratory SDG: 400-202005-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 6/8/2021

Guidance: USEPA National Functional Guidelines for Organic Superfund Methods Data Review 2020

Sample Identification	Sample Identification
TB-ROX-041321-8260	TB-ROX-041321-8011
MW3-ROX-041321	MW24-ROX-041321
ROST3MW-ROX-041321	MW1-ROX-041321
P54-ROX-041321	

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 and certain SVOCs were re-extracted outside extraction time criteria in several samples. Several VOC, SVOC, and PAH LCS/LCSD recoveries, or SVOC LCS/LCSD RPDs, for several analytes were outside evaluation criteria. Several SVOC and/or PAH surrogates were outside criteria in several investigative and quality control samples. Several VOC MS/MSD recoveries and/or MS/MSD RPDs were outside evaluation criteria in sample MW3-ROX-041321. The continuing calibration verifications for benzo[b]fluoranthene and benzo[k]fluoranthene 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?

No, PAHs and certain SVOCs were re-extracted 8 days outside analysis extraction time criteria (7 days) in several samples due to initial failing LCS and/or surrogate recoveries. 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. PAHs in certain samples were reported from Run #1 due to historical detections.

Sample ID	Parameter	Analyte	Qualification
MW3-ROX-041321 – RERA	PAHs	All non-detects	**UJ**

Sample ID	Parameter	Analyte	Qualification
MW3-ROX-041321 – RERA	SVOCs	Benzenethiol	UJ
MW3-ROX-041321 – RERA	SVOCs	2-Chlorophenol	UJ
MW3-ROX-041321 – RERA	SVOCs	2,4-Dichlorophenol	UJ
MW3-ROX-041321 – RERA	SVOCs	2-Methylphenol	UJ
MW3-ROX-041321 – RERA	SVOCs	3&4 Methylphenol	UJ
MW3-ROX-041321 – RERA	SVOCs	2-Nitrophenol	UJ
MW3-ROX-041321 – RERA	SVOCs	2,4,5-Trichlorophenol	UJ
MW3-ROX-041321 – RERA	SVOCs	2,4,6-Trichlorophenol	UJ
MW24-ROX-041321 – RERA	PAHs	All non-detects	UJ
MW24-ROX-041321 – RERA	SVOCs	Benzenethiol	UJ
MW24-ROX-041321 – RERA	SVOCs	2-Chlorophenol	UJ
MW24-ROX-041321 – RERA	SVOCs	2,4-Dichlorophenol	UJ
MW24-ROX-041321 – RERA	SVOCs	2-Methylphenol	UJ
MW24-ROX-041321 – RERA	SVOCs	3&4 Methylphenol	UJ
MW24-ROX-041321 – RERA	SVOCs	2-Nitrophenol	UJ
MW24-ROX-041321 – RERA	SVOCs	2,4,5-Trichlorophenol	UJ
MW24-ROX-041321 – RERA	SVOCs	2,4,6-Trichlorophenol	UJ
ROST3MW-ROX-041321 – RERA	SVOCs	All non-detects	UJ
MW1-ROX-041321 – RERA	SVOCs	Benzenethiol	UJ
MW1-ROX-041321 – RERA	SVOCs	2-Chlorophenol	UJ
MW1-ROX-041321 – RERA	SVOCs	2,4-Dichlorophenol	UJ
MW1-ROX-041321 – RERA	SVOCs	2-Methylphenol	UJ
MW1-ROX-041321 – RERA	SVOCs	3&4 Methylphenol	UJ
MW1-ROX-041321 – RERA	SVOCs	2-Nitrophenol	UJ
MW1-ROX-041321 – RERA	SVOCs	2,4,5-Trichlorophenol	UJ
MW1-ROX-041321 – RERA	SVOCs	2,4,6-Trichlorophenol	UJ
P54-ROX-041321 – RERA	PAHs	All non-detects	UJ
P54-ROX-041321 – RERA	SVOCs	Benzenethiol	UJ
P54-ROX-041321 – RERA	SVOCs	2-Chlorophenol	UJ
P54-ROX-041321 – RERA	SVOCs	2,4-Dichlorophenol	UJ
P54-ROX-041321 – RERA	SVOCs	2-Methylphenol	UJ
P54-ROX-041321 – RERA	SVOCs	3&4 Methylphenol	UJ
P54-ROX-041321 – RERA	SVOCs	2-Nitrophenol	UJ
P54-ROX-041321 – RERA	SVOCs	2,4,5-Trichlorophenol	UJ
P54-ROX-041321 – RERA	SVOCs	2,4,6-Trichlorophenol	UJ

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 400-528806/1002	VOCs	Vinyl chloride	**151**	NA	59-136
LCS 400-529066/1003	VOCs	Acrylonitrile	**143**	NA	64-142
LCS 400-529066/1003	VOCs	cis-1,2-Dichloroethene	**131**	NA	68-130
LCS 400-529066/1003	VOCs	1,1-Dichloroethane	**137**	NA	70-130
LCS/LCSD 400-527852/2-A/3-A	SVOCs	Benzoic acid	40/20	**67**	10-144/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2-Chlorophenol	**22/24**	9	40-120/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2,4-Dichlorophenol	**36/42**	16	49-120/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2-Methylphenol	**44**/49	11	46-124/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	3&4 Methylphenol	**40**/46	13	45-120/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2-Nitrophenol	**32/33**	5	40-124/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2,4,5-Trichlorophenol	**49**/51	5	51-136/30
LCS/LCSD 400-527852/2-A/3-A	SVOCs	2,4,6-Trichlorophenol	**46/46**	1	50-127/30
LCS/LCSD 400-527852/4-A/5-A	SVOCs	Benzenethiol	**2**/70	**188**	10-120/30
LCS/LCSD 400-529480/3-A/4-A	SVOCs	Benzenethiol	34/48	**34**	10-120/30
LCS/LCSD 400-527852/2-A/3-A	PAHs	Benzo[a]anthracene	**52/56**	7	61-135/49
LCS/LCSD 400-527852/2-A/3-A	PAHs	Benzo[b]fluoranthene	**51**/56	8	53-134/54
LCS/LCSD 400-527852/2-A/3-A	PAHs	Benzo[k]fluoranthene	**50/55**	9	57-134/52
LCS/LCSD 400-527852/2-A/3-A	PAHs	Chrysene	**49/52**	7	55-122/50

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. SVOCs and PAHs in several samples were qualified in Section 3.0 of this data review due to holding time criteria; no additional qualification was required.

Sample ID	Parameter	Analyte	Qualification
ROST3MW-ROX-041321	PAHs	Benzo[a]anthracene	**UJ**
ROST3MW-ROX-041321	PAHs	Benzo[b]fluoranthene	**UJ**
ROST3MW-ROX-041321	PAHs	Benzo[k]fluoranthene	**UJ**
ROST3MW-ROX-041321	PAHs	Chrysene	**UJ**

Sample ID	Parameter	Analyte	Qualification
MW1-ROX-041321	PAHs	Benzo[a]anthracene	**UJ**
MW1-ROX-041321	PAHs	Benzo[b]fluoranthene	**UJ**
MW1-ROX-041321	PAHs	Benzo[k]fluoranthene	**UJ**
MW1-ROX-041321	PAHs	Chrysene	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW3-ROX-041321 – RERA	SVOCs	2-Fluorophenol	**7**	13-113
MW24-ROX-041321	PAHs	Nitrobenzene-d_5	**11**	19-130
MW24-ROX-041321	SVOCs	2-Fluorobiphenyl	**34**	46-124
MW24-ROX-041321	SVOCs	2-Fluorophenol	**8**	13-113
MW24-ROX-041321	SVOCs	Nitrobenzene-d_5	**30**	36-126
MW24-ROX-041321	SVOCs	Phenol-d_5	**16**	17-127
MW24-ROX-041321	SVOCs	2,4,6-Tribromophenol	**21**	26-150
MW24-ROX-041321 – RERA	PAHs	2-Fluorophenol	**5**	13-113
LCS 400-527852/4-A	SVOCs	2,4,6-Tribromophenol	**24**	26-150
MB 400-529480/1-A	SVOCs	2-Fluorophenol	**10**	13-113

Analytical data that required qualification based on surrogate data are included in the table below. Qualifications due to surrogate recoveries were not required if only one of three acid or base neutral SVOC/PAH surrogate recoveries were outside evaluation criteria. Method blanks and laboratory control samples are quality control samples and do not require qualification.

Sample ID	Parameter	Analyte	Qualification
MW24-ROX-041321	SVOCs	All non-detects	**UJ**

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

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

Yes, although not requested, sample MW3-ROX-041321 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
MW3-ROX-041321	VOCs	Acetone	**151/152**	1	43-150/30
MW3-ROX-041321	VOCs	Chloroethane	**152/152**	0	50-150/30

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery (%)	RPD	MS/MSD/ RPD Criteria
MW3-ROX-041321	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-150/50
MW3-ROX-041321	VOCs	Vinyl chloride	**160/160**	0	46-150/30

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-041321	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 benzo[b]fluoranthene and benzo[k]fluoranthene were outside acceptance criteria, biased low; PAHs were qualified in Section 3.0 of this data review due to holding time criteria. No additional qualification was required.

eurofins | Environment Testing America

ANALYTICAL REPORT

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

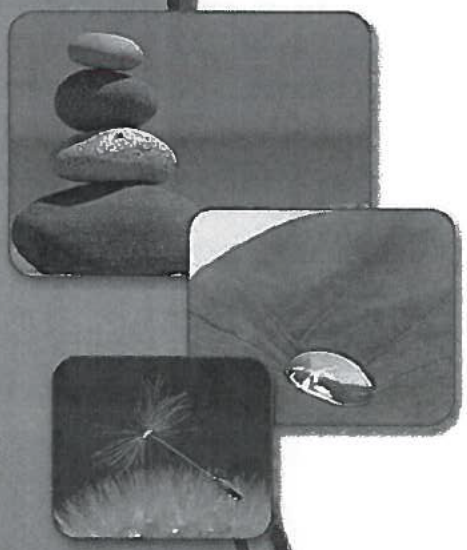
Laboratory Job ID: 400-202005-1
Client Project/Site: ROXANA QUARTERLY GW

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

Attn: Elizabeth Kunkel

Authorized for release by:
4/30/2021 12:15:27 PM

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



LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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Reviewed 6/8/2021 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: 400-202005-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-202005-1

Comments
No additional comments.

Receipt
The samples were received on 4/14/2021 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.0° C, 1.0° C and 1.9° C.

GC/MS VOA
Method 8260B: The continuing calibration verification (CCV) associated with batch 400-529305 recovered above the upper control limit for Vinyl chloride. 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 400-529305 recovered outside control limits for the following analytes: Vinyl chloride. 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-529305 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 400-529305 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 400-529305 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-041321-8260 (400-202005-1), MW3-ROX-041321 (400-202005-3), MW24-ROX-041321 (400-202005-4), ROST3MW-ROX-041321 (400-202005-5), MW1-ROX-041321 (400-202005-6) and P54-ROX-041321 (400-202005-7). 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 initial calibration verification (ICV) analyzed in batch 400-504636 was outside method criteria for the following analyte(s): Dichlorodifluoromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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 400-527852 and analytical batch 400-528632 recovered outside control limits for the following analytes: Benzoic acid.

Method 8270D: The laboratory control sample (LCS) for preparation batch 400-527852 and 400-527852 and analytical batch 400-528632 recovered outside control limits for the following analytes: 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol,Benzenethiol, 2-Methylphenol, 2-Chlorophenol, 3 & 4 Methylphenol and 2-Nitrophenol. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-527852 and analytical batch 400-528281 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-529667 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.

Job ID: 400-202005-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-529480 and analytical batch 400-529667 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-529480 and analytical batch 400-529667 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 samples contained an allowable number of surrogate compounds outside limits: MW3-ROX-041321 (400-202005-3), MW24-ROX-041321 (400-202005-4) and (MB 400-529480/1-A). These results have been reported and qualified.

Method 8270D LL: Three 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: MW24-ROX-041321 (400-202005-4). These results have been reported and qualified.

Method 8270D LL: The continuing calibration verification (CCV) associated with batch 400-529645 recovered outside acceptance criteria, low biased, for Benzo[b]fluoranthene and Benzo[k]fluoranthene. 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 laboratory control sample (LCS) for preparation batch 400-529480 and analytical batch 400-529645 recovered outside control limits for the following analytes: Benzo[a]anthracene, Benzo[b]fluoranthene, Benzo[k]fluoranthene and Chrysene. The associated sample(s) was 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
No analytical or quality issues were noted, other than those described 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: 400-202005-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-202005-1	TB-ROX-041321-8260	Water	04/13/21 00:00	04/14/21 09:45	
400-202005-2	TB-ROX-041321-8011	Water	04/13/21 00:00	04/14/21 09:45	
400-202005-3	MW3-ROX-041321	Water	04/13/21 09:05	04/14/21 09:45	
400-202005-4	MW24-ROX-041321	Water	04/13/21 09:55	04/14/21 09:45	
400-202005-5	ROST3MW-ROX-041321	Water	04/13/21 11:00	04/14/21 09:45	
400-202005-6	MW1-ROX-041321	Water	04/13/21 12:10	04/14/21 09:45	
400-202005-7	P54-ROX-041321	Water	04/13/21 13:20	04/14/21 09:45	

Detection Summary

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

Job ID: 400-202005-1

Client Sample ID: TB-ROX-041321-8260 — Lab Sample ID: 400-202005-1

No Detections.

Client Sample ID: TB-ROX-041321-8011 — Lab Sample ID: 400-202005-2

No Detections.

Client Sample ID: MW3-ROX-041321 — Lab Sample ID: 400-202005-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	0.63	J	1.0	0.53	ug/L	1		8260B	Total/NA
Diethyl phthalate	0.48	J	9.5	0.23	ug/L	1		8270D	Total/NA

Client Sample ID: MW24-ROX-041321 — Lab Sample ID: 400-202005-4

No Detections.

Client Sample ID: ROST3MW-ROX-041321 — Lab Sample ID: 400-202005-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.99	J	1.0	0.38	ug/L	1		8260B	Total/NA
Ethylbenzene	0.63	J	1.0	0.50	ug/L	1		8260B	Total/NA
Xylenes, Total	1.6	J	10	1.6	ug/L	1		8260B	Total/NA
Acenaphthene	0.065	J	0.19	0.031	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	0.093	J	0.19	0.071	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW1-ROX-041321 — Lab Sample ID: 400-202005-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	0.080	J	0.20	0.072	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.16	J	0.20	0.059	ug/L	1		8270D LL	Total/NA

Client Sample ID: P54-ROX-041321 — Lab Sample ID: 400-202005-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-041321-8260
Date Collected: 04/13/21 00:00
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-1
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			04/27/21 10:56	1
Acrolein	ND		20	10	ug/L			04/27/21 10:56	1
Acrylonitrile	ND		10	2.8	ug/L			04/27/21 10:56	1
Benzene	ND		1.0	0.38	ug/L			04/27/21 10:56	1
Bromobenzene	ND		1.0	0.54	ug/L			04/27/21 10:56	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/27/21 10:56	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/27/21 10:56	1
Bromoform	ND		5.0	0.71	ug/L			04/27/21 10:56	1
Bromomethane	ND		1.0	0.98	ug/L			04/27/21 10:56	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/27/21 10:56	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/27/21 10:56	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/27/21 10:56	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/27/21 10:56	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/27/21 10:56	1
Chloroethane	ND		1.0	0.76	ug/L			04/27/21 10:56	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/27/21 10:56	1
Chloroform	ND		1.0	0.60	ug/L			04/27/21 10:56	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/27/21 10:56	1
Chloromethane	ND		1.0	0.83	ug/L			04/27/21 10:56	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 10:56	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 10:56	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/27/21 10:56	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/27/21 10:56	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/27/21 10:56	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/27/21 10:56	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 10:56	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 10:56	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 10:56	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 10:56	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 10:56	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 10:56	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/27/21 10:56	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/27/21 10:56	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/27/21 10:56	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/27/21 10:56	1
2-Hexanone	ND		25	3.1	ug/L			04/27/21 10:56	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/27/21 10:56	1
Methylene bromide	ND		5.0	0.59	ug/L			04/27/21 10:56	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/27/21 10:56	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/27/21 10:56	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/27/21 10:56	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/27/21 10:56	1
Naphthalene	ND		1.0	1.0	ug/L			04/27/21 10:56	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/27/21 10:56	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/27/21 10:56	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/27/21 10:56	1
o-Xylene	ND		5.0	0.60	ug/L			04/27/21 10:56	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/27/21 10:56	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/27/21 10:56	1

Client Sample ID: TB-ROX-041321-8260
Date Collected: 04/13/21 00:00
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-1
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			04/27/21 10:56	1
Styrene	ND		1.0	1.0	ug/L			04/27/21 10:56	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/27/21 10:56	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/27/21 10:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/27/21 10:56	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/27/21 10:56	1
Toluene	ND		1.0	0.41	ug/L			04/27/21 10:56	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 10:56	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 10:56	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/27/21 10:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/27/21 10:56	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/27/21 10:56	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/27/21 10:56	1
Trichloroethene	ND		1.0	0.50	ug/L			04/27/21 10:56	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/27/21 10:56	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/27/21 10:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/27/21 10:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/27/21 10:56	1
Vinyl acetate	ND		25	2.0	ug/L			04/27/21 10:56	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/27/21 10:56	1
Xylenes, Total	ND		10	1.6	ug/L			04/27/21 10:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*04/27/21 10:56*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*04/27/21 10:56*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/27/21 10:56*	*1*

Client Sample ID: TB-ROX-041321-8011
Date Collected: 04/13/21 00:00
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-2
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		04/21/21 12:16	04/21/21 19:59	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/21/21 12:16	04/21/21 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*	*p*	*51 - 149*	*04/21/21 12:16*	*04/21/21 19:59*	*1*

Client Sample ID: MW3-ROX-041321
Date Collected: 04/13/21 09:05
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F1	25	10	ug/L			04/27/21 11:21	1
Acrolein	ND		20	10	ug/L			04/27/21 11:21	1
Acrylonitrile	ND		10	2.8	ug/L			04/27/21 11:21	1
Benzene	ND		1.0	0.38	ug/L			04/27/21 11:21	1
Bromobenzene	ND		1.0	0.54	ug/L			04/27/21 11:21	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/27/21 11:21	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/27/21 11:21	1
Bromoform	ND		5.0	0.71	ug/L			04/27/21 11:21	1
Bromomethane	ND		1.0	0.98	ug/L			04/27/21 11:21	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/27/21 11:21	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/27/21 11:21	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/27/21 11:21	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/27/21 11:21	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/27/21 11:21	1
Chloroethane	ND	F1	1.0	0.76	ug/L			04/27/21 11:21	1
2-Chloroethyl vinyl ether	ND	F1	5.0	2.0	ug/L			04/27/21 11:21	1
Chloroform	ND		1.0	0.60	ug/L			04/27/21 11:21	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/27/21 11:21	1
Chloromethane	ND		1.0	0.83	ug/L			04/27/21 11:21	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 11:21	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 11:21	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/27/21 11:21	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/27/21 11:21	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/27/21 11:21	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/27/21 11:21	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 11:21	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 11:21	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 11:21	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 11:21	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 11:21	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 11:21	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/27/21 11:21	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/27/21 11:21	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/27/21 11:21	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/27/21 11:21	1
2-Hexanone	ND		25	3.1	ug/L			04/27/21 11:21	1
Isopropylbenzene	0.63	J	1.0	0.53	ug/L			04/27/21 11:21	1
Methylene bromide	ND		5.0	0.59	ug/L			04/27/21 11:21	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/27/21 11:21	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/27/21 11:21	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/27/21 11:21	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/27/21 11:21	1
Naphthalene	ND		1.0	1.0	ug/L			04/27/21 11:21	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/27/21 11:21	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/27/21 11:21	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/27/21 11:21	1
o-Xylene	ND		5.0	0.60	ug/L			04/27/21 11:21	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/27/21 11:21	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/27/21 11:21	1

Client Sample ID: MW3-ROX-041321
Date Collected: 04/13/21 09:05
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-3
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			04/27/21 11:21	1
Styrene	ND		1.0	1.0	ug/L			04/27/21 11:21	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/27/21 11:21	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/27/21 11:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/27/21 11:21	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/27/21 11:21	1
Toluene	ND		1.0	0.41	ug/L			04/27/21 11:21	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 11:21	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 11:21	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/27/21 11:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/27/21 11:21	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/27/21 11:21	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/27/21 11:21	1
Trichloroethene	ND		1.0	0.50	ug/L			04/27/21 11:21	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/27/21 11:21	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/27/21 11:21	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/27/21 11:21	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/27/21 11:21	1
Vinyl acetate	ND		25	2.0	ug/L			04/27/21 11:21	1
Vinyl chloride	ND	F1 *+	1.0	0.50	ug/L			04/27/21 11:21	1
Xylenes, Total	ND		10	1.6	ug/L			04/27/21 11:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*04/27/21 11:21*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*04/27/21 11:21*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/27/21 11:21*	*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		0.19	0.030	ug/L		04/16/21 09:34	04/20/21 20:40	1
Acenaphthene	ND	H UJ	0.19	0.031	ug/L		04/28/21 10:20	04/29/21 19:56	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/16/21 09:34	04/20/21 20:40	1
Acenaphthylene	ND	H UJ	0.19	0.043	ug/L		04/28/21 10:20	04/29/21 19:56	1
Anthracene	ND		0.19	0.030	ug/L		04/16/21 09:34	04/20/21 20:40	1
Anthracene	ND	H UJ	0.19	0.031	ug/L		04/28/21 10:20	04/29/21 19:56	1
Benzo[a]anthracene	ND	*-	0.19	0.044	ug/L		04/16/21 09:34	04/20/21 20:40	1
Benzo[a]anthracene	ND	H UJ	0.19	0.044	ug/L		04/28/21 10:20	04/29/21 19:56	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/16/21 09:34	04/20/21 20:40	1
Benzo[a]pyrene	ND	H UJ	0.19	0.040	ug/L		04/28/21 10:20	04/29/21 19:56	1
Benzo[b]fluoranthene	ND	*-	0.19	0.032	ug/L		04/16/21 09:34	04/20/21 20:40	1
Benzo[b]fluoranthene	ND	H UJ	0.19	0.032	ug/L		04/28/21 10:20	04/29/21 19:56	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/16/21 09:34	04/20/21 20:40	1
Benzo[g,h,i]perylene	ND	H UJ	0.19	0.12	ug/L		04/28/21 10:20	04/29/21 19:56	1
Benzo[k]fluoranthene	ND	*-	0.19	0.095	ug/L		04/16/21 09:34	04/20/21 20:40	1
Benzo[k]fluoranthene	ND	H UJ	0.19	0.096	ug/L		04/28/21 10:20	04/29/21 19:56	1
Chrysene	ND	*-	0.19	0.071	ug/L		04/16/21 09:34	04/20/21 20:40	1
Chrysene	ND	H UJ	0.19	0.071	ug/L		04/28/21 10:20	04/29/21 19:56	1
Dibenz(a,h)anthracene	ND	*-	0.19	0.048	ug/L		04/16/21 09:34	04/20/21 20:40	1
Dibenz(a,h)anthracene	ND	H UJ	0.19	0.048	ug/L		04/28/21 10:20	04/29/21 19:56	1
Fluoranthene	ND		0.19	0.065	ug/L		04/16/21 09:34	04/20/21 20:40	1

Client Sample ID: MW3-ROX-041321
Date Collected: 04/13/21 09:05
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-3
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
Fluoranthene	ND	H UJ	0.19	0.065	ug/L		04/28/21 10:20	04/29/21 19:56	1
Fluorene	ND		0.19	0.10	ug/L		04/16/21 09:34	04/20/21 20:40	1
Fluorene	ND	H UJ	0.19	0.11	ug/L		04/28/21 10:20	04/29/21 19:56	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/16/21 09:34	04/20/21 20:40	1
Indeno[1,2,3-cd]pyrene	ND	H UJ	0.19	0.041	ug/L		04/28/21 10:20	04/29/21 19:56	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/16/21 09:34	04/20/21 20:40	1
1-Methylnaphthalene	ND	H UJ	0.19	0.071	ug/L		04/28/21 10:20	04/29/21 19:56	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		04/16/21 09:34	04/20/21 20:40	1
2-Methylnaphthalene	ND	H UJ	0.19	0.057	ug/L		04/28/21 10:20	04/29/21 19:56	1
Phenanthrene	ND		0.19	0.034	ug/L		04/16/21 09:34	04/20/21 20:40	1
Phenanthrene	ND	H UJ	0.19	0.034	ug/L		04/28/21 10:20	04/29/21 19:56	1
Pyrene	ND		0.19	0.038	ug/L		04/16/21 09:34	04/20/21 20:40	1
Pyrene	ND	H UJ	0.19	0.038	ug/L		04/28/21 10:20	04/29/21 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*15 - 122*	*04/16/21 09:34*	*04/20/21 20:40*	*1*
2-Fluorobiphenyl	*72*		*15 - 122*	*04/28/21 10:20*	*04/29/21 19:56*	*1*
Nitrobenzene-d5	*37*		*19 - 130*	*04/16/21 09:34*	*04/20/21 20:40*	*1*
Nitrobenzene-d5	*39*		*19 - 130*	*04/28/21 10:20*	*04/29/21 19:56*	*1*
Terphenyl-d14	*71*		*33 - 138*	*04/16/21 09:34*	*04/20/21 20:40*	*1*
Terphenyl-d14	*72*		*33 - 138*	*04/28/21 10:20*	*04/29/21 19:56*	*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		04/16/21 09:34	04/20/21 17:21	1
Benzenethiol	ND	*- *1	9.5	1.6	ug/L		04/16/21 09:34	04/20/21 17:21	1
Benzoic acid	ND	*1	29	7.0	ug/L		04/16/21 09:34	04/20/21 17:21	1
Benzyl alcohol	ND		9.5	1.9	ug/L		04/16/21 09:34	04/20/21 17:21	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		04/16/21 09:34	04/20/21 17:21	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		04/16/21 09:34	04/20/21 17:21	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		04/16/21 09:34	04/20/21 17:21	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.8	ug/L		04/16/21 09:34	04/20/21 17:21	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		04/16/21 09:34	04/20/21 17:21	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		04/16/21 09:34	04/20/21 17:21	1
4-Chloroaniline	ND		9.5	3.2	ug/L		04/16/21 09:34	04/20/21 17:21	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		04/16/21 09:34	04/20/21 17:21	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		04/16/21 09:34	04/20/21 17:21	1
2-Chlorophenol	ND	*-	9.5	2.1	ug/L		04/16/21 09:34	04/20/21 17:21	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		04/16/21 09:34	04/20/21 17:21	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		04/16/21 09:34	04/20/21 17:21	1
Dibenzofuran	ND		9.5	0.16	ug/L		04/16/21 09:34	04/20/21 17:21	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		04/16/21 09:34	04/20/21 17:21	1
2,4-Dichlorophenol	ND	*-	9.5	2.9	ug/L		04/16/21 09:34	04/20/21 17:21	1
Diethyl phthalate	**0.48**	**J**	9.5	0.23	ug/L		04/16/21 09:34	04/20/21 17:21	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		04/16/21 09:34	04/20/21 17:21	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		04/16/21 09:34	04/20/21 17:21	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		04/16/21 09:34	04/20/21 17:21	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		04/16/21 09:34	04/20/21 17:21	1
2,4-Dinitrophenol	ND		29	3.2	ug/L		04/16/21 09:34	04/20/21 17:21	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		04/16/21 09:34	04/20/21 17:21	1

Client Sample ID: MW3-ROX-041321
Date Collected: 04/13/21 09:05
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		04/16/21 09:34	04/20/21 17:21	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		04/16/21 09:34	04/20/21 17:21	1
1,4-Dioxane	ND		9.5	0.95	ug/L		04/16/21 09:34	04/20/21 17:21	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		04/16/21 09:34	04/20/21 17:21	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		04/16/21 09:34	04/20/21 17:21	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/16/21 09:34	04/20/21 17:21	1
Hexachloroethane	ND		9.5	4.0	ug/L		04/16/21 09:34	04/20/21 17:21	1
Indene	ND		9.5	0.95	ug/L		04/16/21 09:34	04/20/21 17:21	1
Isophorone	ND		9.5	0.13	ug/L		04/16/21 09:34	04/20/21 17:21	1
2-Methylphenol	ND	*-	9.5	1.7	ug/L		04/16/21 09:34	04/20/21 17:21	1
3 & 4 Methylphenol	ND	*-	19	0.37	ug/L		04/16/21 09:34	04/20/21 17:21	1
2-Nitroaniline	ND		9.5	2.1	ug/L		04/16/21 09:34	04/20/21 17:21	1
3-Nitroaniline	ND		9.5	1.7	ug/L		04/16/21 09:34	04/20/21 17:21	1
4-Nitroaniline	ND		9.5	1.4	ug/L		04/16/21 09:34	04/20/21 17:21	1
Nitrobenzene	ND		9.5	0.12	ug/L		04/16/21 09:34	04/20/21 17:21	1
2-Nitrophenol	ND	*-	9.5	5.0	ug/L		04/16/21 09:34	04/20/21 17:21	1
4-Nitrophenol	ND		9.5	2.0	ug/L		04/16/21 09:34	04/20/21 17:21	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		04/16/21 09:34	04/20/21 17:21	1
N-Nitrosodi-n-propylamine	ND		9.5	3.1	ug/L		04/16/21 09:34	04/20/21 17:21	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		04/16/21 09:34	04/20/21 17:21	1
Pentachlorophenol	ND		19	1.3	ug/L		04/16/21 09:34	04/20/21 17:21	1
Phenol	ND		9.5	2.5	ug/L		04/16/21 09:34	04/20/21 17:21	1
Pyridine	ND		9.5	3.0	ug/L		04/16/21 09:34	04/20/21 17:21	1
Quinoline	ND		9.5	4.3	ug/L		04/16/21 09:34	04/20/21 17:21	1
2,4,5-Trichlorophenol	ND	*-	9.5	3.5	ug/L		04/16/21 09:34	04/20/21 17:21	1
2,4,6-Trichlorophenol	ND	*-	9.5	3.3	ug/L		04/16/21 09:34	04/20/21 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*68*		*46 - 124*	*04/16/21 09:34*	*04/20/21 17:21*	*1*
2-Fluorophenol	*39*		*13 - 113*	*04/16/21 09:34*	*04/20/21 17:21*	*1*
Nitrobenzene-d5	*67*		*36 - 126*	*04/16/21 09:34*	*04/20/21 17:21*	*1*
Phenol-d5	*62*		*17 - 127*	*04/16/21 09:34*	*04/20/21 17:21*	*1*
Terphenyl-d14	*70*		*44 - 149*	*04/16/21 09:34*	*04/20/21 17:21*	*1*
2,4,6-Tribromophenol	*72*		*26 - 150*	*04/16/21 09:34*	*04/20/21 17:21*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzenethiol	ND	H *1	9.6	1.6	ug/L		04/28/21 10:20	04/29/21 18:00	1
2-Chlorophenol	ND	H	9.6	2.1	ug/L		04/28/21 10:20	04/29/21 18:00	1
2,4-Dichlorophenol	ND	H	9.6	2.9	ug/L		04/28/21 10:20	04/29/21 18:00	1
2-Methylphenol	ND	H	9.6	1.7	ug/L		04/28/21 10:20	04/29/21 18:00	1
3 & 4 Methylphenol	ND	H	19	0.37	ug/L		04/28/21 10:20	04/29/21 18:00	1
2-Nitrophenol	ND	H	9.6	5.0	ug/L		04/28/21 10:20	04/29/21 18:00	1
2,4,5-Trichlorophenol	ND	H	9.6	3.5	ug/L		04/28/21 10:20	04/29/21 18:00	1
2,4,6-Trichlorophenol	ND	H	9.6	3.3	ug/L		04/28/21 10:20	04/29/21 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*46 - 124*	*04/28/21 10:20*	*04/29/21 18:00*	*1*
2-Fluorophenol	*7*	*S1-*	*13 - 113*	*04/28/21 10:20*	*04/29/21 18:00*	*1*

Client Sample ID: MW3-ROX-041321
Date Collected: 04/13/21 09:05
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-3
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*53*		*36 - 126*	*04/28/21 10:20*	*04/29/21 18:00*	*1*
Phenol-d5	*35*		*17 - 127*	*04/28/21 10:20*	*04/29/21 18:00*	*1*
Terphenyl-d14	*67*		*44 - 149*	*04/28/21 10:20*	*04/29/21 18:00*	*1*
2,4,6-Tribromophenol	*69*		*26 - 150*	*04/28/21 10:20*	*04/29/21 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		0.030	0.0054	ug/L		04/21/21 12:16	04/21/21 20:19	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		04/21/21 12:16	04/21/21 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*	*p*	*51 - 149*	*04/21/21 12:16*	*04/21/21 20:19*	*1*

Client Sample ID: MW24-ROX-041321
Date Collected: 04/13/21 09:55
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-4
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			04/27/21 11:46	1
Acrolein	ND		20	10	ug/L			04/27/21 11:46	1
Acrylonitrile	ND		10	2.8	ug/L			04/27/21 11:46	1
Benzene	ND		1.0	0.38	ug/L			04/27/21 11:46	1
Bromobenzene	ND		1.0	0.54	ug/L			04/27/21 11:46	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/27/21 11:46	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/27/21 11:46	1
Bromoform	ND		5.0	0.71	ug/L			04/27/21 11:46	1
Bromomethane	ND		1.0	0.98	ug/L			04/27/21 11:46	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/27/21 11:46	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/27/21 11:46	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/27/21 11:46	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/27/21 11:46	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/27/21 11:46	1
Chloroethane	ND		1.0	0.76	ug/L			04/27/21 11:46	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/27/21 11:46	1
Chloroform	ND		1.0	0.60	ug/L			04/27/21 11:46	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/27/21 11:46	1
Chloromethane	ND		1.0	0.83	ug/L			04/27/21 11:46	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 11:46	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 11:46	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/27/21 11:46	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/27/21 11:46	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/27/21 11:46	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/27/21 11:46	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 11:46	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 11:46	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 11:46	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 11:46	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 11:46	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 11:46	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/27/21 11:46	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/27/21 11:46	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/27/21 11:46	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/27/21 11:46	1
2-Hexanone	ND		25	3.1	ug/L			04/27/21 11:46	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/27/21 11:46	1
Methylene bromide	ND		5.0	0.59	ug/L			04/27/21 11:46	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/27/21 11:46	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/27/21 11:46	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/27/21 11:46	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/27/21 11:46	1
Naphthalene	ND		1.0	1.0	ug/L			04/27/21 11:46	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/27/21 11:46	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/27/21 11:46	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/27/21 11:46	1
o-Xylene	ND		5.0	0.60	ug/L			04/27/21 11:46	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/27/21 11:46	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/27/21 11:46	1

Client Sample ID: MW24-ROX-041321
Date Collected: 04/13/21 09:55
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-4
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			04/27/21 11:46	1
Styrene	ND		1.0	1.0	ug/L			04/27/21 11:46	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/27/21 11:46	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/27/21 11:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/27/21 11:46	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/27/21 11:46	1
Toluene	ND		1.0	0.41	ug/L			04/27/21 11:46	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 11:46	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 11:46	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/27/21 11:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/27/21 11:46	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/27/21 11:46	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/27/21 11:46	1
Trichloroethene	ND		1.0	0.50	ug/L			04/27/21 11:46	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/27/21 11:46	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/27/21 11:46	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/27/21 11:46	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/27/21 11:46	1
Vinyl acetate	ND		25	2.0	ug/L			04/27/21 11:46	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/27/21 11:46	1
Xylenes, Total	ND		10	1.6	ug/L			04/27/21 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*04/27/21 11:46*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*04/27/21 11:46*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/27/21 11:46*	*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		04/16/21 09:34	04/20/21 20:56	1
Acenaphthene	ND	H UJ	0.19	0.031	ug/L		04/28/21 10:20	04/29/21 20:12	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/16/21 09:34	04/20/21 20:56	1
Acenaphthylene	ND	H UJ	0.19	0.043	ug/L		04/28/21 10:20	04/29/21 20:12	1
Anthracene	ND		0.19	0.030	ug/L		04/16/21 09:34	04/20/21 20:56	1
Anthracene	ND	H UJ	0.19	0.031	ug/L		04/28/21 10:20	04/29/21 20:12	1
Benzo[a]anthracene	ND	*-	0.19	0.044	ug/L		04/16/21 09:34	04/20/21 20:56	1
Benzo[a]anthracene	ND	H UJ	0.19	0.044	ug/L		04/28/21 10:20	04/29/21 20:12	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/16/21 09:34	04/20/21 20:56	1
Benzo[a]pyrene	ND	H UJ	0.19	0.040	ug/L		04/28/21 10:20	04/29/21 20:12	1
Benzo[b]fluoranthene	ND	*-	0.19	0.032	ug/L		04/16/21 09:34	04/20/21 20:56	1
Benzo[b]fluoranthene	ND	H UJ	0.19	0.033	ug/L		04/28/21 10:20	04/29/21 20:12	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/16/21 09:34	04/20/21 20:56	1
Benzo[g,h,i]perylene	ND	H UJ	0.19	0.12	ug/L		04/28/21 10:20	04/29/21 20:12	1
Benzo[k]fluoranthene	ND	*-	0.19	0.095	ug/L		04/16/21 09:34	04/20/21 20:56	1
Benzo[k]fluoranthene	ND	H UJ	0.19	0.096	ug/L		04/28/21 10:20	04/29/21 20:12	1
Chrysene	ND	*-	0.19	0.071	ug/L		04/16/21 09:34	04/20/21 20:56	1
Chrysene	ND	H UJ	0.19	0.071	ug/L		04/28/21 10:20	04/29/21 20:12	1
Dibenz(a,h)anthracene	ND	*-	0.19	0.048	ug/L		04/16/21 09:34	04/20/21 20:56	1
Dibenz(a,h)anthracene	ND	H UJ	0.19	0.048	ug/L		04/28/21 10:20	04/29/21 20:12	1
Fluoranthene	ND		0.19	0.065	ug/L		04/16/21 09:34	04/20/21 20:56	1

Client Sample ID: MW24-ROX-041321
Date Collected: 04/13/21 09:55
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-4
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
Fluoranthene	ND	H	0.19	0.065	ug/L		04/28/21 10:20	04/29/21 20:12	1
Fluorene	ND		0.19	0.10	ug/L		04/16/21 09:34	04/20/21 20:56	1
Fluorene	ND	H	0.19	0.11	ug/L		04/28/21 10:20	04/29/21 20:12	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/16/21 09:34	04/20/21 20:56	1
Indeno[1,2,3-cd]pyrene	ND	H	0.19	0.041	ug/L		04/28/21 10:20	04/29/21 20:12	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/16/21 09:34	04/20/21 20:56	1
1-Methylnaphthalene	ND	H	0.19	0.071	ug/L		04/28/21 10:20	04/29/21 20:12	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		04/16/21 09:34	04/20/21 20:56	1
2-Methylnaphthalene	ND	H	0.19	0.057	ug/L		04/28/21 10:20	04/29/21 20:12	1
Phenanthrene	ND		0.19	0.034	ug/L		04/16/21 09:34	04/20/21 20:56	1
Phenanthrene	ND	H	0.19	0.034	ug/L		04/28/21 10:20	04/29/21 20:12	1
Pyrene	ND		0.19	0.038	ug/L		04/16/21 09:34	04/20/21 20:56	1
Pyrene	ND	H	0.19	0.038	ug/L		04/28/21 10:20	04/29/21 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*32*		*15 - 122*	*04/16/21 09:34*	*04/20/21 20:56*	*1*
2-Fluorobiphenyl	*88*		*15 - 122*	*04/28/21 10:20*	*04/29/21 20:12*	*1*
Nitrobenzene-d5	*11*	*S1-*	*19 - 130*	*04/16/21 09:34*	*04/20/21 20:56*	*1*
Nitrobenzene-d5	*44*		*19 - 130*	*04/28/21 10:20*	*04/29/21 20:12*	*1*
Terphenyl-d14	*46*		*33 - 138*	*04/16/21 09:34*	*04/20/21 20:56*	*1*
Terphenyl-d14	*109*		*33 - 138*	*04/28/21 10:20*	*04/29/21 20:12*	*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		04/16/21 09:34	04/20/21 17:42	1
Benzenethiol	ND	*- *1	9.5	1.6	ug/L		04/16/21 09:34	04/20/21 17:42	1
Benzoic acid	ND	*1	29	7.0	ug/L		04/16/21 09:34	04/20/21 17:42	1
Benzyl alcohol	ND		9.5	1.9	ug/L		04/16/21 09:34	04/20/21 17:42	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		04/16/21 09:34	04/20/21 17:42	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		04/16/21 09:34	04/20/21 17:42	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		04/16/21 09:34	04/20/21 17:42	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.8	ug/L		04/16/21 09:34	04/20/21 17:42	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		04/16/21 09:34	04/20/21 17:42	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		04/16/21 09:34	04/20/21 17:42	1
4-Chloroaniline	ND		9.5	3.2	ug/L		04/16/21 09:34	04/20/21 17:42	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		04/16/21 09:34	04/20/21 17:42	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		04/16/21 09:34	04/20/21 17:42	1
2-Chlorophenol	ND	*-	9.5	2.1	ug/L		04/16/21 09:34	04/20/21 17:42	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		04/16/21 09:34	04/20/21 17:42	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		04/16/21 09:34	04/20/21 17:42	1
Dibenzofuran	ND		9.5	0.16	ug/L		04/16/21 09:34	04/20/21 17:42	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		04/16/21 09:34	04/20/21 17:42	1
2,4-Dichlorophenol	ND	*-	9.5	2.9	ug/L		04/16/21 09:34	04/20/21 17:42	1
Diethyl phthalate	ND		9.5	0.23	ug/L		04/16/21 09:34	04/20/21 17:42	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		04/16/21 09:34	04/20/21 17:42	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		04/16/21 09:34	04/20/21 17:42	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		04/16/21 09:34	04/20/21 17:42	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		04/16/21 09:34	04/20/21 17:42	1
2,4-Dinitrophenol	ND		29	3.2	ug/L		04/16/21 09:34	04/20/21 17:42	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		04/16/21 09:34	04/20/21 17:42	1

Client Sample ID: MW24-ROX-041321
Date Collected: 04/13/21 09:55
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		04/16/21 09:34	04/20/21 17:42	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		04/16/21 09:34	04/20/21 17:42	1
1,4-Dioxane	ND		9.5	0.95	ug/L		04/16/21 09:34	04/20/21 17:42	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		04/16/21 09:34	04/20/21 17:42	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		04/16/21 09:34	04/20/21 17:42	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/16/21 09:34	04/20/21 17:42	1
Hexachloroethane	ND		9.5	4.0	ug/L		04/16/21 09:34	04/20/21 17:42	1
Indene	ND		9.5	0.95	ug/L		04/16/21 09:34	04/20/21 17:42	1
Isophorone	ND		9.5	0.13	ug/L		04/16/21 09:34	04/20/21 17:42	1
2-Methylphenol	ND	*-	9.5	1.7	ug/L		04/16/21 09:34	04/20/21 17:42	1
3 & 4 Methylphenol	ND	*-	19	0.37	ug/L		04/16/21 09:34	04/20/21 17:42	1
2-Nitroaniline	ND		9.5	2.1	ug/L		04/16/21 09:34	04/20/21 17:42	1
3-Nitroaniline	ND		9.5	1.7	ug/L		04/16/21 09:34	04/20/21 17:42	1
4-Nitroaniline	ND		9.5	1.4	ug/L		04/16/21 09:34	04/20/21 17:42	1
Nitrobenzene	ND		9.5	0.12	ug/L		04/16/21 09:34	04/20/21 17:42	1
2-Nitrophenol	ND	*-	9.5	5.0	ug/L		04/16/21 09:34	04/20/21 17:42	1
4-Nitrophenol	ND		9.5	2.0	ug/L		04/16/21 09:34	04/20/21 17:42	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		04/16/21 09:34	04/20/21 17:42	1
N-Nitrosodi-n-propylamine	ND		9.5	3.1	ug/L		04/16/21 09:34	04/20/21 17:42	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		04/16/21 09:34	04/20/21 17:42	1
Pentachlorophenol	ND		19	1.3	ug/L		04/16/21 09:34	04/20/21 17:42	1
Phenol	ND		9.5	2.5	ug/L		04/16/21 09:34	04/20/21 17:42	1
Pyridine	ND		9.5	3.0	ug/L		04/16/21 09:34	04/20/21 17:42	1
Quinoline	ND		9.5	4.3	ug/L		04/16/21 09:34	04/20/21 17:42	1
2,4,5-Trichlorophenol	ND	*-	9.5	3.5	ug/L		04/16/21 09:34	04/20/21 17:42	1
2,4,6-Trichlorophenol	ND	*-	9.5	3.3	ug/L		04/16/21 09:34	04/20/21 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*34*	*S1-*	*46 - 124*	*04/16/21 09:34*	*04/20/21 17:42*	*1*
2-Fluorophenol	*8*	*S1-*	*13 - 113*	*04/16/21 09:34*	*04/20/21 17:42*	*1*
Nitrobenzene-d5	*30*	*S1-*	*36 - 126*	*04/16/21 09:34*	*04/20/21 17:42*	*1*
Phenol-d5	*16*	*S1-*	*17 - 127*	*04/16/21 09:34*	*04/20/21 17:42*	*1*
Terphenyl-d14	*50*		*44 - 149*	*04/16/21 09:34*	*04/20/21 17:42*	*1*
2,4,6-Tribromophenol	*21*	*S1-*	*26 - 150*	*04/16/21 09:34*	*04/20/21 17:42*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzenethiol	ND	H *1	9.6	1.6	ug/L		04/28/21 10:20	04/29/21 18:22	1
2-Chlorophenol	ND	H	9.6	2.1	ug/L		04/28/21 10:20	04/29/21 18:22	1
2,4-Dichlorophenol	ND	H	9.6	2.9	ug/L		04/28/21 10:20	04/29/21 18:22	1
2-Methylphenol	ND	H	9.6	1.7	ug/L		04/28/21 10:20	04/29/21 18:22	1
3 & 4 Methylphenol	ND	H	19	0.37	ug/L		04/28/21 10:20	04/29/21 18:22	1
2-Nitrophenol	ND	H	9.6	5.0	ug/L		04/28/21 10:20	04/29/21 18:22	1
2,4,5-Trichlorophenol	ND	H	9.6	3.5	ug/L		04/28/21 10:20	04/29/21 18:22	1
2,4,6-Trichlorophenol	ND	H	9.6	3.3	ug/L		04/28/21 10:20	04/29/21 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*46 - 124*	*04/28/21 10:20*	*04/29/21 18:22*	*1*
2-Fluorophenol	*5*	*S1-*	*13 - 113*	*04/28/21 10:20*	*04/29/21 18:22*	*1*

Client Sample ID: MW24-ROX-041321
Date Collected: 04/13/21 09:55
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-4
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*56*		*36 - 126*	*04/28/21 10:20*	*04/29/21 18:22*	*1*
Phenol-d5	*23*		*17 - 127*	*04/28/21 10:20*	*04/29/21 18:22*	*1*
Terphenyl-d14	*79*		*44 - 149*	*04/28/21 10:20*	*04/29/21 18:22*	*1*
2,4,6-Tribromophenol	*54*		*26 - 150*	*04/28/21 10:20*	*04/29/21 18:22*	*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		04/21/21 12:16	04/21/21 20:39	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/21/21 12:16	04/21/21 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*	*p*	*51 - 149*	*04/21/21 12:16*	*04/21/21 20:39*	*1*

Client Sample ID: ROST3MW-ROX-041321
Date Collected: 04/13/21 11:00
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-5
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			04/27/21 12:10	1
Acrolein	ND		20	10	ug/L			04/27/21 12:10	1
Acrylonitrile	ND		10	2.8	ug/L			04/27/21 12:10	1
Benzene	**0.99**	**J**	1.0	0.38	ug/L			04/27/21 12:10	1
Bromobenzene	ND		1.0	0.54	ug/L			04/27/21 12:10	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/27/21 12:10	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/27/21 12:10	1
Bromoform	ND		5.0	0.71	ug/L			04/27/21 12:10	1
Bromomethane	ND		1.0	0.98	ug/L			04/27/21 12:10	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/27/21 12:10	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/27/21 12:10	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/27/21 12:10	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/27/21 12:10	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/27/21 12:10	1
Chloroethane	ND		1.0	0.76	ug/L			04/27/21 12:10	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/27/21 12:10	1
Chloroform	ND		1.0	0.60	ug/L			04/27/21 12:10	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/27/21 12:10	1
Chloromethane	ND		1.0	0.83	ug/L			04/27/21 12:10	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 12:10	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 12:10	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/27/21 12:10	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/27/21 12:10	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/27/21 12:10	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/27/21 12:10	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 12:10	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 12:10	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 12:10	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 12:10	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 12:10	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 12:10	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/27/21 12:10	1
Ethylbenzene	**0.63**	**J**	1.0	0.50	ug/L			04/27/21 12:10	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/27/21 12:10	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/27/21 12:10	1
2-Hexanone	ND		25	3.1	ug/L			04/27/21 12:10	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/27/21 12:10	1
Methylene bromide	ND		5.0	0.59	ug/L			04/27/21 12:10	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/27/21 12:10	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/27/21 12:10	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/27/21 12:10	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/27/21 12:10	1
Naphthalene	ND		1.0	1.0	ug/L			04/27/21 12:10	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/27/21 12:10	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/27/21 12:10	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/27/21 12:10	1
o-Xylene	ND		5.0	0.60	ug/L			04/27/21 12:10	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/27/21 12:10	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/27/21 12:10	1

Client Sample ID: ROST3MW-ROX-041321
Date Collected: 04/13/21 11:00
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-5
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			04/27/21 12:10	1
Styrene	ND		1.0	1.0	ug/L			04/27/21 12:10	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/27/21 12:10	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/27/21 12:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/27/21 12:10	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/27/21 12:10	1
Toluene	ND		1.0	0.41	ug/L			04/27/21 12:10	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 12:10	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 12:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/27/21 12:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/27/21 12:10	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/27/21 12:10	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/27/21 12:10	1
Trichloroethene	ND		1.0	0.50	ug/L			04/27/21 12:10	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/27/21 12:10	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/27/21 12:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/27/21 12:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/27/21 12:10	1
Vinyl acetate	ND		25	2.0	ug/L			04/27/21 12:10	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/27/21 12:10	1
Xylenes, Total	**1.6**	**J**	10	1.6	ug/L			04/27/21 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*04/27/21 12:10*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*04/27/21 12:10*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/27/21 12:10*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.065**	**J**	0.19	0.031	ug/L		04/16/21 09:34	04/20/21 21:11	1
Acenaphthene	ND	H ~~UJ~~	0.19	0.031	ug/L		04/28/21 10:20	04/29/21 20:27	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/16/21 09:34	04/20/21 21:11	1
Acenaphthylene	ND	H ~~UJ~~	0.19	0.043	ug/L		04/28/21 10:20	04/29/21 20:27	1
Anthracene	ND		0.19	0.031	ug/L		04/16/21 09:34	04/20/21 21:11	1
Anthracene	ND	H ~~UJ~~	0.19	0.031	ug/L		04/28/21 10:20	04/29/21 20:27	1
Benzo[a]anthracene	ND	*- UJ	0.19	0.044	ug/L		04/16/21 09:34	04/20/21 21:11	1
Benzo[a]anthracene	ND	H ~~UJ~~	0.19	0.044	ug/L		04/28/21 10:20	04/29/21 20:27	1
Benzo[a]pyrene	ND		0.19	0.041	ug/L		04/16/21 09:34	04/20/21 21:11	1
Benzo[a]pyrene	ND	H ~~UJ~~	0.19	0.040	ug/L		04/28/21 10:20	04/29/21 20:27	1
Benzo[b]fluoranthene	ND	*- UJ	0.19	0.033	ug/L		04/16/21 09:34	04/20/21 21:11	1
Benzo[b]fluoranthene	ND	H ~~UJ~~	0.19	0.032	ug/L		04/28/21 10:20	04/29/21 20:27	1
Benzo[g,h,i]perylene	ND		0.19	0.13	ug/L		04/16/21 09:34	04/20/21 21:11	1
Benzo[g,h,i]perylene	ND	H ~~UJ~~	0.19	0.12	ug/L		04/28/21 10:20	04/29/21 20:27	1
Benzo[k]fluoranthene	ND	*- UJ	0.19	0.097	ug/L		04/16/21 09:34	04/20/21 21:11	1
Benzo[k]fluoranthene	ND	H ~~UJ~~	0.19	0.096	ug/L		04/28/21 10:20	04/29/21 20:27	1
Chrysene	ND	*- UJ	0.19	0.071	ug/L		04/16/21 09:34	04/20/21 21:11	1
Chrysene	ND	H ~~UJ~~	0.19	0.071	ug/L		04/28/21 10:20	04/29/21 20:27	1
Dibenz(a,h)anthracene	ND	*-	0.19	0.048	ug/L		04/16/21 09:34	04/20/21 21:11	1
Dibenz(a,h)anthracene	ND	H ~~UJ~~	0.19	0.048	ug/L		04/28/21 10:20	04/29/21 20:27	1
Fluoranthene	ND		0.19	0.066	ug/L		04/16/21 09:34	04/20/21 21:11	1

Client Sample ID: ROST3MW-ROX-041321
Date Collected: 04/13/21 11:00
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-5
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
Fluoranthene	ND	H	0.19	0.065	ug/L		04/28/21 10:20	04/29/21 20:27	1
Fluorene	ND		0.19	0.11	ug/L		04/16/21 09:34	04/20/21 21:11	1
Fluorene	ND	H	0.19	0.11	ug/L		04/28/21 10:20	04/29/21 20:27	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.042	ug/L		04/16/21 09:34	04/20/21 21:11	1
Indeno[1,2,3-cd]pyrene	ND	H	0.19	0.041	ug/L		04/28/21 10:20	04/29/21 20:27	1
1-Methylnaphthalene	0.093	J	0.19	0.071	ug/L		04/16/21 09:34	04/20/21 21:11	1
1-Methylnaphthalene	ND	H	0.19	0.071	ug/L		04/28/21 10:20	04/29/21 20:27	1
2-Methylnaphthalene	ND		0.19	0.058	ug/L		04/16/21 09:34	04/20/21 21:11	1
2-Methylnaphthalene	ND	H	0.19	0.057	ug/L		04/28/21 10:20	04/29/21 20:27	1
Phenanthrene	ND		0.19	0.035	ug/L		04/16/21 09:34	04/20/21 21:11	1
Phenanthrene	ND	H	0.19	0.034	ug/L		04/28/21 10:20	04/29/21 20:27	1
Pyrene	ND		0.19	0.039	ug/L		04/16/21 09:34	04/20/21 21:11	1
Pyrene	ND	H	0.19	0.038	ug/L		04/28/21 10:20	04/29/21 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*15 - 122*	*04/16/21 09:34*	*04/20/21 21:11*	*1*
2-Fluorobiphenyl	*92*		*15 - 122*	*04/28/21 10:20*	*04/29/21 20:27*	*1*
Nitrobenzene-d5	*39*		*19 - 130*	*04/16/21 09:34*	*04/20/21 21:11*	*1*
Nitrobenzene-d5	*43*		*19 - 130*	*04/28/21 10:20*	*04/29/21 20:27*	*1*
Terphenyl-d14	*89*		*33 - 138*	*04/16/21 09:34*	*04/20/21 21:11*	*1*
Terphenyl-d14	*120*		*33 - 138*	*04/28/21 10:20*	*04/29/21 20:27*	*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		04/16/21 09:34	04/20/21 18:04	1
Benzenethiol	ND	*- *1	9.7	1.6	ug/L		04/16/21 09:34	04/20/21 18:04	1
Benzoic acid	ND	*1	29	7.0	ug/L		04/16/21 09:34	04/20/21 18:04	1
Benzyl alcohol	ND		9.7	1.9	ug/L		04/16/21 09:34	04/20/21 18:04	1
Bis(2-chloroethoxy)methane	ND		9.7	0.15	ug/L		04/16/21 09:34	04/20/21 18:04	1
Bis(2-chloroethyl)ether	ND		9.7	2.6	ug/L		04/16/21 09:34	04/20/21 18:04	1
bis (2-chloroisopropyl) ether	ND		9.7	0.15	ug/L		04/16/21 09:34	04/20/21 18:04	1
Bis(2-ethylhexyl) phthalate	ND		9.7	4.8	ug/L		04/16/21 09:34	04/20/21 18:04	1
4-Bromophenyl phenyl ether	ND		9.7	0.19	ug/L		04/16/21 09:34	04/20/21 18:04	1
Butyl benzyl phthalate	ND		9.7	0.18	ug/L		04/16/21 09:34	04/20/21 18:04	1
4-Chloroaniline	ND		9.7	3.3	ug/L		04/16/21 09:34	04/20/21 18:04	1
4-Chloro-3-methylphenol	ND		9.7	3.7	ug/L		04/16/21 09:34	04/20/21 18:04	1
2-Chloronaphthalene	ND		9.7	0.14	ug/L		04/16/21 09:34	04/20/21 18:04	1
2-Chlorophenol	ND	*-	9.7	2.1	ug/L		04/16/21 09:34	04/20/21 18:04	1
4-Chlorophenyl phenyl ether	ND		9.7	1.9	ug/L		04/16/21 09:34	04/20/21 18:04	1
Dibenz[a,h]acridine	ND		9.7	0.97	ug/L		04/16/21 09:34	04/20/21 18:04	1
Dibenzofuran	ND		9.7	0.16	ug/L		04/16/21 09:34	04/20/21 18:04	1
3,3'-Dichlorobenzidine	ND		9.7	2.5	ug/L		04/16/21 09:34	04/20/21 18:04	1
2,4-Dichlorophenol	ND	*-	9.7	2.9	ug/L		04/16/21 09:34	04/20/21 18:04	1
Diethyl phthalate	ND		9.7	0.23	ug/L		04/16/21 09:34	04/20/21 18:04	1
2,4-Dimethylphenol	ND		9.7	3.4	ug/L		04/16/21 09:34	04/20/21 18:04	1
Dimethyl phthalate	ND		9.7	0.16	ug/L		04/16/21 09:34	04/20/21 18:04	1
Di-n-butyl phthalate	ND		9.7	2.6	ug/L		04/16/21 09:34	04/20/21 18:04	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.5	ug/L		04/16/21 09:34	04/20/21 18:04	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/16/21 09:34	04/20/21 18:04	1
2,4-Dinitrotoluene	ND		9.7	1.8	ug/L		04/16/21 09:34	04/20/21 18:04	1

Client Sample ID: ROST3MW-ROX-041321
Date Collected: 04/13/21 11:00
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.7	1.8	ug/L		04/16/21 09:34	04/20/21 18:04	1
Di-n-octyl phthalate	ND		9.7	0.16	ug/L		04/16/21 09:34	04/20/21 18:04	1
1,4-Dioxane	ND		9.7	0.97	ug/L		04/16/21 09:34	04/20/21 18:04	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.97	ug/L		04/16/21 09:34	04/20/21 18:04	1
Hexachlorobenzene	ND		9.7	0.16	ug/L		04/16/21 09:34	04/20/21 18:04	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/16/21 09:34	04/20/21 18:04	1
Hexachloroethane	ND		9.7	4.1	ug/L		04/16/21 09:34	04/20/21 18:04	1
Indene	ND		9.7	0.97	ug/L		04/16/21 09:34	04/20/21 18:04	1
Isophorone	ND		9.7	0.14	ug/L		04/16/21 09:34	04/20/21 18:04	1
2-Methylphenol	ND	*-	9.7	1.7	ug/L		04/16/21 09:34	04/20/21 18:04	1
3 & 4 Methylphenol	ND	*-	19	0.38	ug/L		04/16/21 09:34	04/20/21 18:04	1
2-Nitroaniline	ND		9.7	2.1	ug/L		04/16/21 09:34	04/20/21 18:04	1
3-Nitroaniline	ND		9.7	1.7	ug/L		04/16/21 09:34	04/20/21 18:04	1
4-Nitroaniline	ND		9.7	1.4	ug/L		04/16/21 09:34	04/20/21 18:04	1
Nitrobenzene	ND		9.7	0.13	ug/L		04/16/21 09:34	04/20/21 18:04	1
2-Nitrophenol	ND	*-	9.7	5.0	ug/L		04/16/21 09:34	04/20/21 18:04	1
4-Nitrophenol	ND		9.7	2.0	ug/L		04/16/21 09:34	04/20/21 18:04	1
N-Nitrosodimethylamine	ND		9.7	3.4	ug/L		04/16/21 09:34	04/20/21 18:04	1
N-Nitrosodi-n-propylamine	ND		9.7	3.2	ug/L		04/16/21 09:34	04/20/21 18:04	1
N-Nitrosodiphenylamine	ND		9.7	0.17	ug/L		04/16/21 09:34	04/20/21 18:04	1
Pentachlorophenol	ND		19	1.4	ug/L		04/16/21 09:34	04/20/21 18:04	1
Phenol	ND		9.7	2.5	ug/L		04/16/21 09:34	04/20/21 18:04	1
Pyridine	ND		9.7	3.1	ug/L		04/16/21 09:34	04/20/21 18:04	1
Quinoline	ND		9.7	4.3	ug/L		04/16/21 09:34	04/20/21 18:04	1
2,4,5-Trichlorophenol	ND	*-	9.7	3.6	ug/L		04/16/21 09:34	04/20/21 18:04	1
2,4,6-Trichlorophenol	ND	*-	9.7	3.4	ug/L		04/16/21 09:34	04/20/21 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*46 - 124*	*04/16/21 09:34*	*04/20/21 18:04*	*1*
2-Fluorophenol	*39*		*13 - 113*	*04/16/21 09:34*	*04/20/21 18:04*	*1*
Nitrobenzene-d5	*70*		*36 - 126*	*04/16/21 09:34*	*04/20/21 18:04*	*1*
Phenol-d5	*67*		*17 - 127*	*04/16/21 09:34*	*04/20/21 18:04*	*1*
Terphenyl-d14	*80*		*44 - 149*	*04/16/21 09:34*	*04/20/21 18:04*	*1*
2,4,6-Tribromophenol	*75*		*26 - 150*	*04/16/21 09:34*	*04/20/21 18:04*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	H	9.6	3.6	ug/L		04/28/21 10:20	04/29/21 18:43	1
Benzenethiol	ND	H *1	9.6	1.6	ug/L		04/28/21 10:20	04/29/21 18:43	1
Benzoic acid	ND	H	29	7.0	ug/L		04/28/21 10:20	04/29/21 18:43	1
Benzyl alcohol	ND	H	9.6	1.9	ug/L		04/28/21 10:20	04/29/21 18:43	1
Bis(2-chloroethoxy)methane	ND	H	9.6	0.15	ug/L		04/28/21 10:20	04/29/21 18:43	1
Bis(2-chloroethyl)ether	ND	H	9.6	2.6	ug/L		04/28/21 10:20	04/29/21 18:43	1
bis (2-chloroisopropyl) ether	ND	H	9.6	0.15	ug/L		04/28/21 10:20	04/29/21 18:43	1
Bis(2-ethylhexyl) phthalate	ND	H	9.6	4.8	ug/L		04/28/21 10:20	04/29/21 18:43	1
4-Bromophenyl phenyl ether	ND	H	9.6	0.19	ug/L		04/28/21 10:20	04/29/21 18:43	1
Butyl benzyl phthalate	ND	H	9.6	0.18	ug/L		04/28/21 10:20	04/29/21 18:43	1
4-Chloroaniline	ND	H	9.6	3.2	ug/L		04/28/21 10:20	04/29/21 18:43	1
4-Chloro-3-methylphenol	ND	H	9.6	3.6	ug/L		04/28/21 10:20	04/29/21 18:43	1

Client Sample ID: ROST3MW-ROX-041321
Date Collected: 04/13/21 11:00
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-5
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND	H	9.6	0.13	ug/L		04/28/21 10:20	04/29/21 18:43	1
2-Chlorophenol	ND	H	9.6	2.1	ug/L		04/28/21 10:20	04/29/21 18:43	1
4-Chlorophenyl phenyl ether	ND	H	9.6	1.9	ug/L		04/28/21 10:20	04/29/21 18:43	1
Dibenz[a,h]acridine	ND	H	9.6	0.96	ug/L		04/28/21 10:20	04/29/21 18:43	1
Dibenzofuran	ND	H	9.6	0.16	ug/L		04/28/21 10:20	04/29/21 18:43	1
3,3'-Dichlorobenzidine	ND	H	9.6	2.5	ug/L		04/28/21 10:20	04/29/21 18:43	1
2,4-Dichlorophenol	ND	H	9.6	2.9	ug/L		04/28/21 10:20	04/29/21 18:43	1
Diethyl phthalate	ND	H	9.6	0.23	ug/L		04/28/21 10:20	04/29/21 18:43	1
2,4-Dimethylphenol	ND	H	9.6	3.3	ug/L		04/28/21 10:20	04/29/21 18:43	1
Dimethyl phthalate	ND	H	9.6	0.16	ug/L		04/28/21 10:20	04/29/21 18:43	1
Di-n-butyl phthalate	ND	H	9.6	2.6	ug/L		04/28/21 10:20	04/29/21 18:43	1
4,6-Dinitro-ortho-cresol	ND	H	9.6	1.5	ug/L		04/28/21 10:20	04/29/21 18:43	1
2,4-Dinitrophenol	ND	H	29	3.2	ug/L		04/28/21 10:20	04/29/21 18:43	1
2,4-Dinitrotoluene	ND	H	9.6	1.8	ug/L		04/28/21 10:20	04/29/21 18:43	1
2,6-Dinitrotoluene	ND	H	9.6	1.8	ug/L		04/28/21 10:20	04/29/21 18:43	1
Di-n-octyl phthalate	ND	H	9.6	0.16	ug/L		04/28/21 10:20	04/29/21 18:43	1
1,4-Dioxane	ND	H	9.6	0.96	ug/L		04/28/21 10:20	04/29/21 18:43	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	9.6	0.96	ug/L		04/28/21 10:20	04/29/21 18:43	1
Hexachlorobenzene	ND	H	9.6	0.16	ug/L		04/28/21 10:20	04/29/21 18:43	1
Hexachlorocyclopentadiene	ND	H	19	2.5	ug/L		04/28/21 10:20	04/29/21 18:43	1
Hexachloroethane	ND	H	9.6	4.0	ug/L		04/28/21 10:20	04/29/21 18:43	1
Indene	ND	H	9.6	0.96	ug/L		04/28/21 10:20	04/29/21 18:43	1
Isophorone	ND	H	9.6	0.13	ug/L		04/28/21 10:20	04/29/21 18:43	1
2-Methylphenol	ND	H	9.6	1.7	ug/L		04/28/21 10:20	04/29/21 18:43	1
3 & 4 Methylphenol	ND	H	19	0.37	ug/L		04/28/21 10:20	04/29/21 18:43	1
2-Nitroaniline	ND	H	9.6	2.1	ug/L		04/28/21 10:20	04/29/21 18:43	1
3-Nitroaniline	ND	H	9.6	1.7	ug/L		04/28/21 10:20	04/29/21 18:43	1
4-Nitroaniline	ND	H	9.6	1.4	ug/L		04/28/21 10:20	04/29/21 18:43	1
Nitrobenzene	ND	H	9.6	0.12	ug/L		04/28/21 10:20	04/29/21 18:43	1
2-Nitrophenol	ND	H	9.6	5.0	ug/L		04/28/21 10:20	04/29/21 18:43	1
4-Nitrophenol	ND	H	9.6	2.0	ug/L		04/28/21 10:20	04/29/21 18:43	1
N-Nitrosodimethylamine	ND	H	9.6	3.3	ug/L		04/28/21 10:20	04/29/21 18:43	1
N-Nitrosodi-n-propylamine	ND	H	9.6	3.2	ug/L		04/28/21 10:20	04/29/21 18:43	1
N-Nitrosodiphenylamine	ND	H	9.6	0.17	ug/L		04/28/21 10:20	04/29/21 18:43	1
Pentachlorophenol	ND	H	19	1.3	ug/L		04/28/21 10:20	04/29/21 18:43	1
Phenol	ND	H	9.6	2.5	ug/L		04/28/21 10:20	04/29/21 18:43	1
Pyridine	ND	H	9.6	3.1	ug/L		04/28/21 10:20	04/29/21 18:43	1
Quinoline	ND	H	9.6	4.3	ug/L		04/28/21 10:20	04/29/21 18:43	1
2,4,5-Trichlorophenol	ND	H	9.6	3.5	ug/L		04/28/21 10:20	04/29/21 18:43	1
2,4,6-Trichlorophenol	ND	H	9.6	3.3	ug/L		04/28/21 10:20	04/29/21 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*46 - 124*	*04/28/21 10:20*	*04/29/21 18:43*	*1*
2-Fluorophenol	*21*		*13 - 113*	*04/28/21 10:20*	*04/29/21 18:43*	*1*
Nitrobenzene-d5	*52*		*36 - 126*	*04/28/21 10:20*	*04/29/21 18:43*	*1*
Phenol-d5	*43*		*17 - 127*	*04/28/21 10:20*	*04/29/21 18:43*	*1*
Terphenyl-d14	*70*		*44 - 149*	*04/28/21 10:20*	*04/29/21 18:43*	*1*
2,4,6-Tribromophenol	*65*		*26 - 150*	*04/28/21 10:20*	*04/29/21 18:43*	*1*

Client Sample ID: ROST3MW-ROX-041321
Date Collected: 04/13/21 11:00
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-5
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		0.029	0.0054	ug/L		04/21/21 12:16	04/21/21 20:58	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		04/21/21 12:16	04/21/21 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*	*p*	*51 - 149*	*04/21/21 12:16*	*04/21/21 20:58*	*1*

Client Sample ID: MW1-ROX-041321
Date Collected: 04/13/21 12:10
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-6
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			04/27/21 12:35	1
Acrolein	ND		20	10	ug/L			04/27/21 12:35	1
Acrylonitrile	ND		10	2.8	ug/L			04/27/21 12:35	1
Benzene	ND		1.0	0.38	ug/L			04/27/21 12:35	1
Bromobenzene	ND		1.0	0.54	ug/L			04/27/21 12:35	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/27/21 12:35	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/27/21 12:35	1
Bromoform	ND		5.0	0.71	ug/L			04/27/21 12:35	1
Bromomethane	ND		1.0	0.98	ug/L			04/27/21 12:35	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/27/21 12:35	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/27/21 12:35	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/27/21 12:35	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/27/21 12:35	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/27/21 12:35	1
Chloroethane	ND		1.0	0.76	ug/L			04/27/21 12:35	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/27/21 12:35	1
Chloroform	ND		1.0	0.60	ug/L			04/27/21 12:35	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/27/21 12:35	1
Chloromethane	ND		1.0	0.83	ug/L			04/27/21 12:35	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 12:35	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 12:35	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/27/21 12:35	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/27/21 12:35	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/27/21 12:35	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/27/21 12:35	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 12:35	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 12:35	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 12:35	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 12:35	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 12:35	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 12:35	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/27/21 12:35	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/27/21 12:35	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/27/21 12:35	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/27/21 12:35	1
2-Hexanone	ND		25	3.1	ug/L			04/27/21 12:35	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/27/21 12:35	1
Methylene bromide	ND		5.0	0.59	ug/L			04/27/21 12:35	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/27/21 12:35	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/27/21 12:35	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/27/21 12:35	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/27/21 12:35	1
Naphthalene	ND		1.0	1.0	ug/L			04/27/21 12:35	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/27/21 12:35	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/27/21 12:35	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/27/21 12:35	1
o-Xylene	ND		5.0	0.60	ug/L			04/27/21 12:35	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/27/21 12:35	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/27/21 12:35	1

Client Sample ID: MW1-ROX-041321
Date Collected: 04/13/21 12:10
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-6
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			04/27/21 12:35	1
Styrene	ND		1.0	1.0	ug/L			04/27/21 12:35	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/27/21 12:35	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/27/21 12:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/27/21 12:35	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/27/21 12:35	1
Toluene	ND		1.0	0.41	ug/L			04/27/21 12:35	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 12:35	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 12:35	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/27/21 12:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/27/21 12:35	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/27/21 12:35	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/27/21 12:35	1
Trichloroethene	ND		1.0	0.50	ug/L			04/27/21 12:35	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/27/21 12:35	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/27/21 12:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/27/21 12:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/27/21 12:35	1
Vinyl acetate	ND		25	2.0	ug/L			04/27/21 12:35	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/27/21 12:35	1
Xylenes, Total	ND		10	1.6	ug/L			04/27/21 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/27/21 12:35*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*04/27/21 12:35*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/27/21 12:35*	*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	0.031	ug/L		04/16/21 09:34	04/20/21 21:27	1
Acenaphthene	ND	H	0.19	0.031	ug/L		04/28/21 10:20	04/29/21 20:43	1
Acenaphthylene	ND		0.20	0.044	ug/L		04/16/21 09:34	04/20/21 21:27	1
Acenaphthylene	ND	H	0.19	0.043	ug/L		04/28/21 10:20	04/29/21 20:43	1
Anthracene	ND		0.20	0.031	ug/L		04/16/21 09:34	04/20/21 21:27	1
Anthracene	ND	H	0.19	0.031	ug/L		04/28/21 10:20	04/29/21 20:43	1
Benzo[a]anthracene	ND	*-	0.20	0.045	ug/L		04/16/21 09:34	04/20/21 21:27	1
Benzo[a]anthracene	ND	H	0.19	0.044	ug/L		04/28/21 10:20	04/29/21 20:43	1
Benzo[a]pyrene	ND		0.20	0.041	ug/L		04/16/21 09:34	04/20/21 21:27	1
Benzo[a]pyrene	ND	H	0.19	0.040	ug/L		04/28/21 10:20	04/29/21 20:43	1
Benzo[b]fluoranthene	ND	*-	0.20	0.033	ug/L		04/16/21 09:34	04/20/21 21:27	1
Benzo[b]fluoranthene	ND	H	0.19	0.033	ug/L		04/28/21 10:20	04/29/21 20:43	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/16/21 09:34	04/20/21 21:27	1
Benzo[g,h,i]perylene	ND	H	0.19	0.13	ug/L		04/28/21 10:20	04/29/21 20:43	1
Benzo[k]fluoranthene	ND	*-	0.20	0.098	ug/L		04/16/21 09:34	04/20/21 21:27	1
Benzo[k]fluoranthene	ND	H	0.19	0.096	ug/L		04/28/21 10:20	04/29/21 20:43	1
Chrysene	ND	*-	0.20	0.072	ug/L		04/16/21 09:34	04/20/21 21:27	1
Chrysene	ND	H	0.19	0.071	ug/L		04/28/21 10:20	04/29/21 20:43	1
Dibenz(a,h)anthracene	ND	*-	0.20	0.049	ug/L		04/16/21 09:34	04/20/21 21:27	1
Dibenz(a,h)anthracene	ND	H	0.19	0.048	ug/L		04/28/21 10:20	04/29/21 20:43	1
Fluoranthene	ND		0.20	0.066	ug/L		04/16/21 09:34	04/20/21 21:27	1

Client Sample ID: MW1-ROX-041321
Date Collected: 04/13/21 12:10
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-6
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
Fluoranthene	ND	H	0.19	0.065	ug/L		04/28/21 10:20	04/29/21 20:43	1
Fluorene	ND		0.20	0.11	ug/L		04/16/21 09:34	04/20/21 21:27	1
Fluorene	ND	H	0.19	0.11	ug/L		04/28/21 10:20	04/29/21 20:43	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.042	ug/L		04/16/21 09:34	04/20/21 21:27	1
Indeno[1,2,3-cd]pyrene	ND	H	0.19	0.041	ug/L		04/28/21 10:20	04/29/21 20:43	1
1-Methylnaphthalene	0.080	J	0.20	0.072	ug/L		04/16/21 09:34	04/20/21 21:27	1
1-Methylnaphthalene	ND	H	0.19	0.071	ug/L		04/28/21 10:20	04/29/21 20:43	1
2-Methylnaphthalene	0.16	J	0.20	0.059	ug/L		04/16/21 09:34	04/20/21 21:27	1
2-Methylnaphthalene	ND	H	0.19	0.058	ug/L		04/28/21 10:20	04/29/21 20:43	1
Phenanthrene	ND		0.20	0.035	ug/L		04/16/21 09:34	04/20/21 21:27	1
Phenanthrene	ND	H	0.19	0.035	ug/L		04/28/21 10:20	04/29/21 20:43	1
Pyrene	ND		0.20	0.039	ug/L		04/16/21 09:34	04/20/21 21:27	1
Pyrene	ND	H	0.19	0.039	ug/L		04/28/21 10:20	04/29/21 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*15 - 122*	*04/16/21 09:34*	*04/20/21 21:27*	*1*
2-Fluorobiphenyl	*79*		*15 - 122*	*04/28/21 10:20*	*04/29/21 20:43*	*1*
Nitrobenzene-d5	*27*		*19 - 130*	*04/16/21 09:34*	*04/20/21 21:27*	*1*
Nitrobenzene-d5	*40*		*19 - 130*	*04/28/21 10:20*	*04/29/21 20:43*	*1*
Terphenyl-d14	*99*		*33 - 138*	*04/16/21 09:34*	*04/20/21 21:27*	*1*
Terphenyl-d14	*97*		*33 - 138*	*04/28/21 10:20*	*04/29/21 20:43*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.8	3.7	ug/L		04/16/21 09:34	04/20/21 18:25	1
Benzenethiol	ND	*- *1	9.8	1.7	ug/L		04/16/21 09:34	04/20/21 18:25	1
Benzoic acid	ND	*1	29	7.1	ug/L		04/16/21 09:34	04/20/21 18:25	1
Benzyl alcohol	ND		9.8	2.0	ug/L		04/16/21 09:34	04/20/21 18:25	1
Bis(2-chloroethoxy)methane	ND		9.8	0.16	ug/L		04/16/21 09:34	04/20/21 18:25	1
Bis(2-chloroethyl)ether	ND		9.8	2.6	ug/L		04/16/21 09:34	04/20/21 18:25	1
bis (2-chloroisopropyl) ether	ND		9.8	0.16	ug/L		04/16/21 09:34	04/20/21 18:25	1
Bis(2-ethylhexyl) phthalate	ND		9.8	4.9	ug/L		04/16/21 09:34	04/20/21 18:25	1
4-Bromophenyl phenyl ether	ND		9.8	0.20	ug/L		04/16/21 09:34	04/20/21 18:25	1
Butyl benzyl phthalate	ND		9.8	0.19	ug/L		04/16/21 09:34	04/20/21 18:25	1
4-Chloroaniline	ND		9.8	3.3	ug/L		04/16/21 09:34	04/20/21 18:25	1
4-Chloro-3-methylphenol	ND		9.8	3.7	ug/L		04/16/21 09:34	04/20/21 18:25	1
2-Chloronaphthalene	ND		9.8	0.14	ug/L		04/16/21 09:34	04/20/21 18:25	1
2-Chlorophenol	ND	*-	9.8	2.1	ug/L		04/16/21 09:34	04/20/21 18:25	1
4-Chlorophenyl phenyl ether	ND		9.8	2.0	ug/L		04/16/21 09:34	04/20/21 18:25	1
Dibenz[a,h]acridine	ND		9.8	0.98	ug/L		04/16/21 09:34	04/20/21 18:25	1
Dibenzofuran	ND		9.8	0.17	ug/L		04/16/21 09:34	04/20/21 18:25	1
3,3'-Dichlorobenzidine	ND		9.8	2.5	ug/L		04/16/21 09:34	04/20/21 18:25	1
2,4-Dichlorophenol	ND	*-	9.8	2.9	ug/L		04/16/21 09:34	04/20/21 18:25	1
Diethyl phthalate	ND		9.8	0.23	ug/L		04/16/21 09:34	04/20/21 18:25	1
2,4-Dimethylphenol	ND		9.8	3.4	ug/L		04/16/21 09:34	04/20/21 18:25	1
Dimethyl phthalate	ND		9.8	0.17	ug/L		04/16/21 09:34	04/20/21 18:25	1
Di-n-butyl phthalate	ND		9.8	2.6	ug/L		04/16/21 09:34	04/20/21 18:25	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.6	ug/L		04/16/21 09:34	04/20/21 18:25	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/16/21 09:34	04/20/21 18:25	1
2,4-Dinitrotoluene	ND		9.8	1.9	ug/L		04/16/21 09:34	04/20/21 18:25	1

Client Sample ID: MW1-ROX-041321
Date Collected: 04/13/21 12:10
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.8	1.9	ug/L		04/16/21 09:34	04/20/21 18:25	1
Di-n-octyl phthalate	ND		9.8	0.17	ug/L		04/16/21 09:34	04/20/21 18:25	1
1,4-Dioxane	ND		9.8	0.98	ug/L		04/16/21 09:34	04/20/21 18:25	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.98	ug/L		04/16/21 09:34	04/20/21 18:25	1
Hexachlorobenzene	ND		9.8	0.17	ug/L		04/16/21 09:34	04/20/21 18:25	1
Hexachlorocyclopentadiene	ND		20	2.5	ug/L		04/16/21 09:34	04/20/21 18:25	1
Hexachloroethane	ND		9.8	4.1	ug/L		04/16/21 09:34	04/20/21 18:25	1
Indene	ND		9.8	0.98	ug/L		04/16/21 09:34	04/20/21 18:25	1
Isophorone	ND		9.8	0.14	ug/L		04/16/21 09:34	04/20/21 18:25	1
2-Methylphenol	ND	*-	9.8	1.8	ug/L		04/16/21 09:34	04/20/21 18:25	1
3 & 4 Methylphenol	ND	*-	20	0.38	ug/L		04/16/21 09:34	04/20/21 18:25	1
2-Nitroaniline	ND		9.8	2.1	ug/L		04/16/21 09:34	04/20/21 18:25	1
3-Nitroaniline	ND		9.8	1.8	ug/L		04/16/21 09:34	04/20/21 18:25	1
4-Nitroaniline	ND		9.8	1.5	ug/L		04/16/21 09:34	04/20/21 18:25	1
Nitrobenzene	ND		9.8	0.13	ug/L		04/16/21 09:34	04/20/21 18:25	1
2-Nitrophenol	ND	*-	9.8	5.1	ug/L		04/16/21 09:34	04/20/21 18:25	1
4-Nitrophenol	ND		9.8	2.1	ug/L		04/16/21 09:34	04/20/21 18:25	1
N-Nitrosodimethylamine	ND		9.8	3.4	ug/L		04/16/21 09:34	04/20/21 18:25	1
N-Nitrosodi-n-propylamine	ND		9.8	3.2	ug/L		04/16/21 09:34	04/20/21 18:25	1
N-Nitrosodiphenylamine	ND		9.8	0.18	ug/L		04/16/21 09:34	04/20/21 18:25	1
Pentachlorophenol	ND		20	1.4	ug/L		04/16/21 09:34	04/20/21 18:25	1
Phenol	ND		9.8	2.5	ug/L		04/16/21 09:34	04/20/21 18:25	1
Pyridine	ND		9.8	3.1	ug/L		04/16/21 09:34	04/20/21 18:25	1
Quinoline	ND		9.8	4.4	ug/L		04/16/21 09:34	04/20/21 18:25	1
2,4,5-Trichlorophenol	ND	*-	9.8	3.6	ug/L		04/16/21 09:34	04/20/21 18:25	1
2,4,6-Trichlorophenol	ND	*-	9.8	3.4	ug/L		04/16/21 09:34	04/20/21 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*46 - 124*	*04/16/21 09:34*	*04/20/21 18:25*	*1*
2-Fluorophenol	*32*		*13 - 113*	*04/16/21 09:34*	*04/20/21 18:25*	*1*
Nitrobenzene-d5	*71*		*36 - 126*	*04/16/21 09:34*	*04/20/21 18:25*	*1*
Phenol-d5	*54*		*17 - 127*	*04/16/21 09:34*	*04/20/21 18:25*	*1*
Terphenyl-d14	*89*		*44 - 149*	*04/16/21 09:34*	*04/20/21 18:25*	*1*
2,4,6-Tribromophenol	*60*		*26 - 150*	*04/16/21 09:34*	*04/20/21 18:25*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzenethiol	ND	H *1 UJ	9.6	1.6	ug/L		04/28/21 10:20	04/29/21 19:05	1
2-Chlorophenol	ND	H	9.6	2.1	ug/L		04/28/21 10:20	04/29/21 19:05	1
2,4-Dichlorophenol	ND	H	9.6	2.9	ug/L		04/28/21 10:20	04/29/21 19:05	1
2-Methylphenol	ND	H	9.6	1.7	ug/L		04/28/21 10:20	04/29/21 19:05	1
3 & 4 Methylphenol	ND	H	19	0.38	ug/L		04/28/21 10:20	04/29/21 19:05	1
2-Nitrophenol	ND	H	9.6	5.0	ug/L		04/28/21 10:20	04/29/21 19:05	1
2,4,5-Trichlorophenol	ND	H	9.6	3.6	ug/L		04/28/21 10:20	04/29/21 19:05	1
2,4,6-Trichlorophenol	ND	H	9.6	3.4	ug/L		04/28/21 10:20	04/29/21 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*46 - 124*	*04/28/21 10:20*	*04/29/21 19:05*	*1*
2-Fluorophenol	*21*		*13 - 113*	*04/28/21 10:20*	*04/29/21 19:05*	*1*

Client Sample ID: MW1-ROX-041321
Date Collected: 04/13/21 12:10
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*56*		*36 - 126*	*04/28/21 10:20*	*04/29/21 19:05*	*1*
Phenol-d5	*41*		*17 - 127*	*04/28/21 10:20*	*04/29/21 19:05*	*1*
Terphenyl-d14	*81*		*44 - 149*	*04/28/21 10:20*	*04/29/21 19:05*	*1*
2,4,6-Tribromophenol	*55*		*26 - 150*	*04/28/21 10:20*	*04/29/21 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		0.029	0.0054	ug/L		04/21/21 12:16	04/21/21 21:18	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		04/21/21 12:16	04/21/21 21:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*	*p*	*51 - 149*	*04/21/21 12:16*	*04/21/21 21:18*	*1*

Client Sample ID: P54-ROX-041321
Date Collected: 04/13/21 13:20
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-7
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			04/27/21 13:00	1
Acrolein	ND		20	10	ug/L			04/27/21 13:00	1
Acrylonitrile	ND		10	2.8	ug/L			04/27/21 13:00	1
Benzene	ND		1.0	0.38	ug/L			04/27/21 13:00	1
Bromobenzene	ND		1.0	0.54	ug/L			04/27/21 13:00	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/27/21 13:00	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/27/21 13:00	1
Bromoform	ND		5.0	0.71	ug/L			04/27/21 13:00	1
Bromomethane	ND		1.0	0.98	ug/L			04/27/21 13:00	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/27/21 13:00	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/27/21 13:00	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/27/21 13:00	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/27/21 13:00	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/27/21 13:00	1
Chloroethane	ND		1.0	0.76	ug/L			04/27/21 13:00	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/27/21 13:00	1
Chloroform	ND		1.0	0.60	ug/L			04/27/21 13:00	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/27/21 13:00	1
Chloromethane	ND		1.0	0.83	ug/L			04/27/21 13:00	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 13:00	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 13:00	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/27/21 13:00	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/27/21 13:00	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/27/21 13:00	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/27/21 13:00	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 13:00	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 13:00	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 13:00	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 13:00	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 13:00	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 13:00	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/27/21 13:00	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/27/21 13:00	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/27/21 13:00	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/27/21 13:00	1
2-Hexanone	ND		25	3.1	ug/L			04/27/21 13:00	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/27/21 13:00	1
Methylene bromide	ND		5.0	0.59	ug/L			04/27/21 13:00	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/27/21 13:00	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/27/21 13:00	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/27/21 13:00	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/27/21 13:00	1
Naphthalene	ND		1.0	1.0	ug/L			04/27/21 13:00	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/27/21 13:00	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/27/21 13:00	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/27/21 13:00	1
o-Xylene	ND		5.0	0.60	ug/L			04/27/21 13:00	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/27/21 13:00	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/27/21 13:00	1

Client Sample ID: P54-ROX-041321
Date Collected: 04/13/21 13:20
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-7
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			04/27/21 13:00	1
Styrene	ND		1.0	1.0	ug/L			04/27/21 13:00	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/27/21 13:00	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/27/21 13:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/27/21 13:00	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/27/21 13:00	1
Toluene	ND		1.0	0.41	ug/L			04/27/21 13:00	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 13:00	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 13:00	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/27/21 13:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/27/21 13:00	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/27/21 13:00	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/27/21 13:00	1
Trichloroethene	ND		1.0	0.50	ug/L			04/27/21 13:00	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/27/21 13:00	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/27/21 13:00	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/27/21 13:00	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/27/21 13:00	1
Vinyl acetate	ND		25	2.0	ug/L			04/27/21 13:00	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/27/21 13:00	1
Xylenes, Total	ND		10	1.6	ug/L			04/27/21 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*04/27/21 13:00*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*04/27/21 13:00*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/27/21 13:00*	*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		04/16/21 09:34	04/20/21 21:43	1
Acenaphthene	ND	H UJ	0.19	0.031	ug/L		04/28/21 10:20	04/29/21 20:58	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/16/21 09:34	04/20/21 21:43	1
Acenaphthylene	ND	H UJ	0.19	0.043	ug/L		04/28/21 10:20	04/29/21 20:58	1
Anthracene	ND		0.19	0.030	ug/L		04/16/21 09:34	04/20/21 21:43	1
Anthracene	ND	H UJ	0.19	0.031	ug/L		04/28/21 10:20	04/29/21 20:58	1
Benzo[a]anthracene	ND	*-	0.19	0.043	ug/L		04/16/21 09:34	04/20/21 21:43	1
Benzo[a]anthracene	ND	H UJ	0.19	0.044	ug/L		04/28/21 10:20	04/29/21 20:58	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/16/21 09:34	04/20/21 21:43	1
Benzo[a]pyrene	ND	H UJ	0.19	0.040	ug/L		04/28/21 10:20	04/29/21 20:58	1
Benzo[b]fluoranthene	ND	*-	0.19	0.032	ug/L		04/16/21 09:34	04/20/21 21:43	1
Benzo[b]fluoranthene	ND	H UJ	0.19	0.032	ug/L		04/28/21 10:20	04/29/21 20:58	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/16/21 09:34	04/20/21 21:43	1
Benzo[g,h,i]perylene	ND	H UJ	0.19	0.12	ug/L		04/28/21 10:20	04/29/21 20:58	1
Benzo[k]fluoranthene	ND	*-	0.19	0.094	ug/L		04/16/21 09:34	04/20/21 21:43	1
Benzo[k]fluoranthene	ND	H UJ	0.19	0.095	ug/L		04/28/21 10:20	04/29/21 20:58	1
Chrysene	ND	*-	0.19	0.070	ug/L		04/16/21 09:34	04/20/21 21:43	1
Chrysene	ND	H UJ	0.19	0.071	ug/L		04/28/21 10:20	04/29/21 20:58	1
Dibenz(a,h)anthracene	ND	*-	0.19	0.047	ug/L		04/16/21 09:34	04/20/21 21:43	1
Dibenz(a,h)anthracene	ND	H UJ	0.19	0.048	ug/L		04/28/21 10:20	04/29/21 20:58	1
Fluoranthene	ND		0.19	0.064	ug/L		04/16/21 09:34	04/20/21 21:43	1

Client Sample ID: P54-ROX-041321
Date Collected: 04/13/21 13:20
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-7
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
Fluoranthene	ND	H	0.19	0.065	ug/L		04/28/21 10:20	04/29/21 20:58	1
Fluorene	ND		0.19	0.10	ug/L		04/16/21 09:34	04/20/21 21:43	1
Fluorene	ND	H	0.19	0.11	ug/L		04/28/21 10:20	04/29/21 20:58	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/16/21 09:34	04/20/21 21:43	1
Indeno[1,2,3-cd]pyrene	ND	H	0.19	0.041	ug/L		04/28/21 10:20	04/29/21 20:58	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		04/16/21 09:34	04/20/21 21:43	1
1-Methylnaphthalene	ND	H	0.19	0.071	ug/L		04/28/21 10:20	04/29/21 20:58	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		04/16/21 09:34	04/20/21 21:43	1
2-Methylnaphthalene	ND	H	0.19	0.057	ug/L		04/28/21 10:20	04/29/21 20:58	1
Phenanthrene	ND		0.19	0.034	ug/L		04/16/21 09:34	04/20/21 21:43	1
Phenanthrene	ND	H	0.19	0.034	ug/L		04/28/21 10:20	04/29/21 20:58	1
Pyrene	ND		0.19	0.038	ug/L		04/16/21 09:34	04/20/21 21:43	1
Pyrene	ND	H	0.19	0.038	ug/L		04/28/21 10:20	04/29/21 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*15 - 122*	*04/16/21 09:34*	*04/20/21 21:43*	*1*
2-Fluorobiphenyl	*75*		*15 - 122*	*04/28/21 10:20*	*04/29/21 20:58*	*1*
Nitrobenzene-d5	*24*		*19 - 130*	*04/16/21 09:34*	*04/20/21 21:43*	*1*
Nitrobenzene-d5	*36*		*19 - 130*	*04/28/21 10:20*	*04/29/21 20:58*	*1*
Terphenyl-d14	*78*		*33 - 138*	*04/16/21 09:34*	*04/20/21 21:43*	*1*
Terphenyl-d14	*94*		*33 - 138*	*04/28/21 10:20*	*04/29/21 20:58*	*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		04/16/21 09:34	04/20/21 18:46	1
Benzenethiol	ND	*- *1	9.4	1.6	ug/L		04/16/21 09:34	04/20/21 18:46	1
Benzoic acid	ND	*1	28	6.9	ug/L		04/16/21 09:34	04/20/21 18:46	1
Benzyl alcohol	ND		9.4	1.9	ug/L		04/16/21 09:34	04/20/21 18:46	1
Bis(2-chloroethoxy)methane	ND		9.4	0.15	ug/L		04/16/21 09:34	04/20/21 18:46	1
Bis(2-chloroethyl)ether	ND		9.4	2.6	ug/L		04/16/21 09:34	04/20/21 18:46	1
bis (2-chloroisopropyl) ether	ND		9.4	0.15	ug/L		04/16/21 09:34	04/20/21 18:46	1
Bis(2-ethylhexyl) phthalate	ND		9.4	4.7	ug/L		04/16/21 09:34	04/20/21 18:46	1
4-Bromophenyl phenyl ether	ND		9.4	0.19	ug/L		04/16/21 09:34	04/20/21 18:46	1
Butyl benzyl phthalate	ND		9.4	0.18	ug/L		04/16/21 09:34	04/20/21 18:46	1
4-Chloroaniline	ND		9.4	3.2	ug/L		04/16/21 09:34	04/20/21 18:46	1
4-Chloro-3-methylphenol	ND		9.4	3.6	ug/L		04/16/21 09:34	04/20/21 18:46	1
2-Chloronaphthalene	ND		9.4	0.13	ug/L		04/16/21 09:34	04/20/21 18:46	1
2-Chlorophenol	ND	*-	9.4	2.1	ug/L		04/16/21 09:34	04/20/21 18:46	1
4-Chlorophenyl phenyl ether	ND		9.4	1.9	ug/L		04/16/21 09:34	04/20/21 18:46	1
Dibenz[a,h]acridine	ND		9.4	0.94	ug/L		04/16/21 09:34	04/20/21 18:46	1
Dibenzofuran	ND		9.4	0.16	ug/L		04/16/21 09:34	04/20/21 18:46	1
3,3'-Dichlorobenzidine	ND		9.4	2.5	ug/L		04/16/21 09:34	04/20/21 18:46	1
2,4-Dichlorophenol	ND	*-	9.4	2.8	ug/L		04/16/21 09:34	04/20/21 18:46	1
Diethyl phthalate	ND		9.4	0.23	ug/L		04/16/21 09:34	04/20/21 18:46	1
2,4-Dimethylphenol	ND		9.4	3.3	ug/L		04/16/21 09:34	04/20/21 18:46	1
Dimethyl phthalate	ND		9.4	0.16	ug/L		04/16/21 09:34	04/20/21 18:46	1
Di-n-butyl phthalate	ND		9.4	2.6	ug/L		04/16/21 09:34	04/20/21 18:46	1
4,6-Dinitro-ortho-cresol	ND		9.4	1.5	ug/L		04/16/21 09:34	04/20/21 18:46	1
2,4-Dinitrophenol	ND		28	3.2	ug/L		04/16/21 09:34	04/20/21 18:46	1
2,4-Dinitrotoluene	ND		9.4	1.8	ug/L		04/16/21 09:34	04/20/21 18:46	1

Client Sample ID: P54-ROX-041321
Date Collected: 04/13/21 13:20
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		9.4	1.8	ug/L		04/16/21 09:34	04/20/21 18:46	1
Di-n-octyl phthalate	ND		9.4	0.16	ug/L		04/16/21 09:34	04/20/21 18:46	1
1,4-Dioxane	ND		9.4	0.94	ug/L		04/16/21 09:34	04/20/21 18:46	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.4	0.94	ug/L		04/16/21 09:34	04/20/21 18:46	1
Hexachlorobenzene	ND		9.4	0.16	ug/L		04/16/21 09:34	04/20/21 18:46	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/16/21 09:34	04/20/21 18:46	1
Hexachloroethane	ND		9.4	4.0	ug/L		04/16/21 09:34	04/20/21 18:46	1
Indene	ND		9.4	0.94	ug/L		04/16/21 09:34	04/20/21 18:46	1
Isophorone	ND		9.4	0.13	ug/L		04/16/21 09:34	04/20/21 18:46	1
2-Methylphenol	ND	*-	9.4	1.7	ug/L		04/16/21 09:34	04/20/21 18:46	1
3 & 4 Methylphenol	ND	*-	19	0.37	ug/L		04/16/21 09:34	04/20/21 18:46	1
2-Nitroaniline	ND		9.4	2.1	ug/L		04/16/21 09:34	04/20/21 18:46	1
3-Nitroaniline	ND		9.4	1.7	ug/L		04/16/21 09:34	04/20/21 18:46	1
4-Nitroaniline	ND		9.4	1.4	ug/L		04/16/21 09:34	04/20/21 18:46	1
Nitrobenzene	ND		9.4	0.12	ug/L		04/16/21 09:34	04/20/21 18:46	1
2-Nitrophenol	ND	*-	9.4	4.9	ug/L		04/16/21 09:34	04/20/21 18:46	1
4-Nitrophenol	ND		9.4	2.0	ug/L		04/16/21 09:34	04/20/21 18:46	1
N-Nitrosodimethylamine	ND		9.4	3.3	ug/L		04/16/21 09:34	04/20/21 18:46	1
N-Nitrosodi-n-propylamine	ND		9.4	3.1	ug/L		04/16/21 09:34	04/20/21 18:46	1
N-Nitrosodiphenylamine	ND		9.4	0.17	ug/L		04/16/21 09:34	04/20/21 18:46	1
Pentachlorophenol	ND		19	1.3	ug/L		04/16/21 09:34	04/20/21 18:46	1
Phenol	ND		9.4	2.5	ug/L		04/16/21 09:34	04/20/21 18:46	1
Pyridine	ND		9.4	3.0	ug/L		04/16/21 09:34	04/20/21 18:46	1
Quinoline	ND		9.4	4.3	ug/L		04/16/21 09:34	04/20/21 18:46	1
2,4,5-Trichlorophenol	ND	*-	9.4	3.5	ug/L		04/16/21 09:34	04/20/21 18:46	1
2,4,6-Trichlorophenol	ND	*-	9.4	3.3	ug/L		04/16/21 09:34	04/20/21 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*46 - 124*	*04/16/21 09:34*	*04/20/21 18:46*	*1*
2-Fluorophenol	*17*		*13 - 113*	*04/16/21 09:34*	*04/20/21 18:46*	*1*
Nitrobenzene-d5	*66*		*36 - 126*	*04/16/21 09:34*	*04/20/21 18:46*	*1*
Phenol-d5	*39*		*17 - 127*	*04/16/21 09:34*	*04/20/21 18:46*	*1*
Terphenyl-d14	*79*		*44 - 149*	*04/16/21 09:34*	*04/20/21 18:46*	*1*
2,4,6-Tribromophenol	*44*		*26 - 150*	*04/16/21 09:34*	*04/20/21 18:46*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzenethiol	ND	H *1	9.5	1.6	ug/L		04/28/21 10:20	04/29/21 19:26	1
2-Chlorophenol	ND	H	9.5	2.1	ug/L		04/28/21 10:20	04/29/21 19:26	1
2,4-Dichlorophenol	ND	H	9.5	2.9	ug/L		04/28/21 10:20	04/29/21 19:26	1
2-Methylphenol	ND	H	9.5	1.7	ug/L		04/28/21 10:20	04/29/21 19:26	1
3 & 4 Methylphenol	ND	H	19	0.37	ug/L		04/28/21 10:20	04/29/21 19:26	1
2-Nitrophenol	ND	H	9.5	5.0	ug/L		04/28/21 10:20	04/29/21 19:26	1
2,4,5-Trichlorophenol	ND	H	9.5	3.5	ug/L		04/28/21 10:20	04/29/21 19:26	1
2,4,6-Trichlorophenol	ND	H	9.5	3.3	ug/L		04/28/21 10:20	04/29/21 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*46 - 124*	*04/28/21 10:20*	*04/29/21 19:26*	*1*
2-Fluorophenol	*21*		*13 - 113*	*04/28/21 10:20*	*04/29/21 19:26*	*1*

Client Sample ID: P54-ROX-041321
Date Collected: 04/13/21 13:20
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202005-7
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*56*		*36 - 126*	*04/28/21 10:20*	*04/29/21 19:26*	*1*
Phenol-d5	*40*		*17 - 127*	*04/28/21 10:20*	*04/29/21 19:26*	*1*
Terphenyl-d14	*78*		*44 - 149*	*04/28/21 10:20*	*04/29/21 19:26*	*1*
2,4,6-Tribromophenol	*51*		*26 - 150*	*04/28/21 10:20*	*04/29/21 19:26*	*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	0.0054	ug/L		04/21/21 12:16	04/21/21 21:38	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		04/21/21 12:16	04/21/21 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*	*p*	*51 - 149*	*04/21/21 12:16*	*04/21/21 21:38*	*1*

Definitions/Glossary

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

Job ID: 400-202005-1

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.
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.

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: 400-202005-1

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)
400-202005-1	TB-ROX-041321-8260	86	99	91
400-202005-3	MW3-ROX-041321	87	99	92
400-202005-3 MS	MW3-ROX-041321	89	100	94
400-202005-3 MSD	MW3-ROX-041321	88	101	93
400-202005-4	MW24-ROX-041321	89	99	91
400-202005-5	ROST3MW-ROX-041321	87	100	91
400-202005-6	MW1-ROX-041321	88	101	91
400-202005-7	P54-ROX-041321	86	99	92
MB 400-529305/4	Method Blank	89	99	91

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)
400-202005-3	MW3-ROX-041321	68	39	67	62	70	72
400-202005-3 - RERA	MW3-ROX-041321	60	7 S1-	53	35	67	69
400-202005-4	MW24-ROX-041321	34 S1-	8 S1-	30 S1-	16 S1-	50	21 S1-
400-202005-4 - RERA	MW24-ROX-041321	64	5 S1-	56	23	79	54
400-202005-5	ROST3MW-ROX-041321	72	39	70	67	80	75
400-202005-5 - RERA	ROST3MW-ROX-041321	57	21	52	43	70	65
400-202005-6	MW1-ROX-041321	76	32	71	54	89	60
400-202005-6 - RERA	MW1-ROX-041321	65	21	56	41	81	55
400-202005-7	P54-ROX-041321	69	17	66	39	79	44
400-202005-7 - RERA	P54-ROX-041321	64	21	56	40	78	51
LCS 400-527852/2-A	Lab Control Sample	91	17	75	41	101	94
LCS 400-527852/4-A	Lab Control Sample	72	25	67	53	80	24 S1-
LCS 400-529480/2-A	Lab Control Sample	75	46	70	70	93	101
LCS 400-529480/3-A	Lab Control Sample	67	26	58	53	89	61
LCSD 400-527852/3-A	Lab Control Sample Dup	96	18	83	47	108	95
LCSD 400-527852/5-A	Lab Control Sample Dup	86	82	78	84	101	62
LCSD 400-529480/4-A	Lab Control Sample Dup	81	45	69	73	107	75
MB 400-527852/1-A	Method Blank	74	28	70	59	85	62
MB 400-529480/1-A	Method Blank	81	10 S1-	67	50	109	72

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: 400-202005-1

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)
400-202005-3	MW3-ROX-041321	70	37	71
400-202005-3	MW3-ROX-041321	72	39	72
400-202005-4	MW24-ROX-041321	32	11 S1-	46
400-202005-4	MW24-ROX-041321	88	44	109
400-202005-5	ROST3MW-ROX-041321	74	39	89
400-202005-5	ROST3MW-ROX-041321	92	43	120
400-202005-6	MW1-ROX-041321	83	27	99
400-202005-6	MW1-ROX-041321	79	40	97
400-202005-7	P54-ROX-041321	66	24	78
400-202005-7	P54-ROX-041321	75	36	94
LCS 400-527852/2-A	Lab Control Sample	78	32	86
LCS 400-529480/2-A	Lab Control Sample	82	32	82
LCSD 400-527852/3-A	Lab Control Sample Dup	82	29	86
MB 400-527852/1-A	Method Blank	65	32	80
MB 400-529480/1-A	Method Blank	76	40	93

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)
400-202005-2	TB-ROX-041321-8011	101 p
400-202005-3	MW3-ROX-041321	86 p
400-202005-4	MW24-ROX-041321	101 p
400-202005-5	ROST3MW-ROX-041321	91 p
400-202005-6	MW1-ROX-041321	96 p
400-202005-7	P54-ROX-041321	90 p
LCS 400-528531/2-A	Lab Control Sample	94
MB 400-528531/1-A	Method Blank	82

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

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

Job ID: 400-202005-1

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: 400-202005-1

Client Sample ID: TB-ROX-041321-8260

Lab Sample ID: 400-202005-1

Date Collected: 04/13/21 00:00
Matrix: Water
Date Received: 04/14/21 09:45

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	529305	04/27/21 10:56	BEP	TAL PEN

Client Sample ID: TB-ROX-041321-8011

Lab Sample ID: 400-202005-2

Date Collected: 04/13/21 00:00
Matrix: Water
Date Received: 04/14/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			34.9 mL	35 mL	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 19:59	DS	TAL PEN

Client Sample ID: MW3-ROX-041321

Lab Sample ID: 400-202005-3

Date Collected: 04/13/21 09:05
Matrix: Water
Date Received: 04/14/21 09:45

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	529305	04/27/21 11:21	BEP	TAL PEN
Total/NA	Prep	3520C			262.4 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 17:21	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		261.6 mL	1 mL	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529667	04/29/21 18:00	VC1	TAL PEN
Total/NA	Prep	3520C			262.4 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 20:40	PP1	TAL PEN
Total/NA	Prep	3520C			261.6 mL	1 mL	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529645	04/29/21 19:56	KJA	TAL PEN
Total/NA	Prep	8011			35.5 mL	35 mL	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 20:19	DS	TAL PEN

Client Sample ID: MW24-ROX-041321

Lab Sample ID: 400-202005-4

Date Collected: 04/13/21 09:55
Matrix: Water
Date Received: 04/14/21 09:45

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	529305	04/27/21 11:46	BEP	TAL PEN
Total/NA	Prep	3520C			262.4 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 17:42	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		261.2 mL	1 mL	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529667	04/29/21 18:22	VC1	TAL PEN
Total/NA	Prep	3520C			262.4 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 20:56	PP1	TAL PEN
Total/NA	Prep	3520C			261.2 mL	1 mL	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529645	04/29/21 20:12	KJA	TAL PEN
Total/NA	Prep	8011			34.8 mL	35 mL	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 20:39	DS	TAL PEN

Lab Chronicle

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

Job ID: 400-202005-1

Client Sample ID: ROST3MW-ROX-041321

Lab Sample ID: 400-202005-5

Date Collected: 04/13/21 11:00
Matrix: Water
Date Received: 04/14/21 09:45

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	529305	04/27/21 12:10	BEP	TAL PEN
Total/NA	Prep	3520C			259 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 18:04	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		261.6 mL	1 mL	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529667	04/29/21 18:43	VC1	TAL PEN
Total/NA	Prep	3520C			259 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 21:11	PP1	TAL PEN
Total/NA	Prep	3520C			261.6 mL	1 mL	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529645	04/29/21 20:27	KJA	TAL PEN
Total/NA	Prep	8011			35.7 mL	35 mL	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 20:58	DS	TAL PEN

Client Sample ID: MW1-ROX-041321

Lab Sample ID: 400-202005-6

Date Collected: 04/13/21 12:10
Matrix: Water
Date Received: 04/14/21 09:45

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	529305	04/27/21 12:35	BEP	TAL PEN
Total/NA	Prep	3520C			256 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 18:25	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		259.6 mL	1 mL	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529667	04/29/21 19:05	VC1	TAL PEN
Total/NA	Prep	3520C			256 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 21:27	PP1	TAL PEN
Total/NA	Prep	3520C			259.6 mL	1 mL	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529645	04/29/21 20:43	KJA	TAL PEN
Total/NA	Prep	8011			35.7 mL	35 mL	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 21:18	DS	TAL PEN

Client Sample ID: P54-ROX-041321

Lab Sample ID: 400-202005-7

Date Collected: 04/13/21 13:20
Matrix: Water
Date Received: 04/14/21 09:45

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	529305	04/27/21 13:00	BEP	TAL PEN
Total/NA	Prep	3520C			264.6 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 18:46	S1B	TAL PEN
Total/NA	Prep	3520C	RERA		261.8 mL	1 mL	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529667	04/29/21 19:26	VC1	TAL PEN
Total/NA	Prep	3520C			264.6 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 21:43	PP1	TAL PEN
Total/NA	Prep	3520C			261.8 mL	1 mL	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529645	04/29/21 20:58	KJA	TAL PEN
Total/NA	Prep	8011			35.4 mL	35 mL	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 21:38	DS	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-527852/1-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	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 11:40	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528357	04/20/21 17:02	PP1	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-528531/1-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	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 16:02	DS	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-529305/4
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	529305	04/27/21 10:07	BEP	TAL PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-529480/1-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	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529667	04/29/21 15:51	VC1	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529645	04/29/21 19:25	KJA	TAL PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-527852/2-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	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528632	04/22/21 12:02	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		5			528357	04/20/21 17:18	PP1	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-527852/4-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	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 12:44	S1B	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-528531/2-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	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 16:21	DS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-529480/2-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	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529667	04/29/21 17:39	VC1	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			529645	04/29/21 19:40	KJA	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-529480/3-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	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529667	04/29/21 16:12	VC1	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-527852/3-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	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528632	04/22/21 12:28	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D LL		5			528357	04/20/21 17:33	PP1	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-527852/5-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	527852	04/16/21 09:34	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528281	04/20/21 13:05	S1B	TAL PEN

Lab Chronicle

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

Job ID: 400-202005-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-529480/4-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	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529667	04/29/21 16:34	VC1	TAL PEN

Client Sample ID: MW3-ROX-041321

Lab Sample ID: 400-202005-3 MS

Date Collected: 04/13/21 09:05
Date Received: 04/14/21 09:45

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	529305	04/27/21 15:03	BEP	TAL PEN

Client Sample ID: MW3-ROX-041321

Lab Sample ID: 400-202005-3 MSD

Date Collected: 04/13/21 09:05
Date Received: 04/14/21 09:45

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	529305	04/27/21 15:28	BEP	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: 400-202005-1

GC/MS VOA

Analysis Batch: 529305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202005-1	TB-ROX-041321-8260	Total/NA	Water	8260B	
400-202005-3	MW3-ROX-041321	Total/NA	Water	8260B	
400-202005-4	MW24-ROX-041321	Total/NA	Water	8260B	
400-202005-5	ROST3MW-ROX-041321	Total/NA	Water	8260B	
400-202005-6	MW1-ROX-041321	Total/NA	Water	8260B	
400-202005-7	P54-ROX-041321	Total/NA	Water	8260B	
MB 400-529305/4	Method Blank	Total/NA	Water	8260B	
400-202005-3 MS	MW3-ROX-041321	Total/NA	Water	8260B	
400-202005-3 MSD	MW3-ROX-041321	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 527852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202005-3	MW3-ROX-041321	Total/NA	Water	3520C	
400-202005-4	MW24-ROX-041321	Total/NA	Water	3520C	
400-202005-5	ROST3MW-ROX-041321	Total/NA	Water	3520C	
400-202005-6	MW1-ROX-041321	Total/NA	Water	3520C	
400-202005-7	P54-ROX-041321	Total/NA	Water	3520C	
MB 400-527852/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-527852/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-527852/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-527852/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-527852/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 528281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202005-3	MW3-ROX-041321	Total/NA	Water	8270D	527852
400-202005-4	MW24-ROX-041321	Total/NA	Water	8270D	527852
400-202005-5	ROST3MW-ROX-041321	Total/NA	Water	8270D	527852
400-202005-6	MW1-ROX-041321	Total/NA	Water	8270D	527852
400-202005-7	P54-ROX-041321	Total/NA	Water	8270D	527852
MB 400-527852/1-A	Method Blank	Total/NA	Water	8270D	527852
LCS 400-527852/4-A	Lab Control Sample	Total/NA	Water	8270D	527852
LCSD 400-527852/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	527852

Analysis Batch: 528357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202005-3	MW3-ROX-041321	Total/NA	Water	8270D LL	527852
400-202005-4	MW24-ROX-041321	Total/NA	Water	8270D LL	527852
400-202005-5	ROST3MW-ROX-041321	Total/NA	Water	8270D LL	527852
400-202005-6	MW1-ROX-041321	Total/NA	Water	8270D LL	527852
400-202005-7	P54-ROX-041321	Total/NA	Water	8270D LL	527852
MB 400-527852/1-A	Method Blank	Total/NA	Water	8270D LL	527852
LCS 400-527852/2-A	Lab Control Sample	Total/NA	Water	8270D LL	527852
LCSD 400-527852/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	527852

Analysis Batch: 528632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-527852/2-A	Lab Control Sample	Total/NA	Water	8270D	527852
LCSD 400-527852/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	527852

QC Association Summary

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

Job ID: 400-202005-1

GC/MS Semi VOA

Prep Batch: 529480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202005-3 - RERA	MW3-ROX-041321	Total/NA	Water	3520C	
400-202005-3	MW3-ROX-041321	Total/NA	Water	3520C	
400-202005-4 - RERA	MW24-ROX-041321	Total/NA	Water	3520C	
400-202005-4	MW24-ROX-041321	Total/NA	Water	3520C	
400-202005-5 - RERA	ROST3MW-ROX-041321	Total/NA	Water	3520C	
400-202005-5	ROST3MW-ROX-041321	Total/NA	Water	3520C	
400-202005-6 - RERA	MW1-ROX-041321	Total/NA	Water	3520C	
400-202005-6	MW1-ROX-041321	Total/NA	Water	3520C	
400-202005-7 - RERA	P54-ROX-041321	Total/NA	Water	3520C	
400-202005-7	P54-ROX-041321	Total/NA	Water	3520C	
MB 400-529480/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-529480/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-529480/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-529480/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 529645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202005-3	MW3-ROX-041321	Total/NA	Water	8270D LL	529480
400-202005-4	MW24-ROX-041321	Total/NA	Water	8270D LL	529480
400-202005-5	ROST3MW-ROX-041321	Total/NA	Water	8270D LL	529480
400-202005-6	MW1-ROX-041321	Total/NA	Water	8270D LL	529480
400-202005-7	P54-ROX-041321	Total/NA	Water	8270D LL	529480
MB 400-529480/1-A	Method Blank	Total/NA	Water	8270D LL	529480
LCS 400-529480/2-A	Lab Control Sample	Total/NA	Water	8270D LL	529480

Analysis Batch: 529667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202005-3 - RERA	MW3-ROX-041321	Total/NA	Water	8270D	529480
400-202005-4 - RERA	MW24-ROX-041321	Total/NA	Water	8270D	529480
400-202005-5 - RERA	ROST3MW-ROX-041321	Total/NA	Water	8270D	529480
400-202005-6 - RERA	MW1-ROX-041321	Total/NA	Water	8270D	529480
400-202005-7 - RERA	P54-ROX-041321	Total/NA	Water	8270D	529480
MB 400-529480/1-A	Method Blank	Total/NA	Water	8270D	529480
LCS 400-529480/2-A	Lab Control Sample	Total/NA	Water	8270D	529480
LCS 400-529480/3-A	Lab Control Sample	Total/NA	Water	8270D	529480
LCSD 400-529480/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	529480

GC Semi VOA

Analysis Batch: 528406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202005-2	TB-ROX-041321-8011	Total/NA	Water	8011	528531
400-202005-3	MW3-ROX-041321	Total/NA	Water	8011	528531
400-202005-4	MW24-ROX-041321	Total/NA	Water	8011	528531
400-202005-5	ROST3MW-ROX-041321	Total/NA	Water	8011	528531
400-202005-6	MW1-ROX-041321	Total/NA	Water	8011	528531
400-202005-7	P54-ROX-041321	Total/NA	Water	8011	528531
MB 400-528531/1-A	Method Blank	Total/NA	Water	8011	528531
LCS 400-528531/2-A	Lab Control Sample	Total/NA	Water	8011	528531

QC Association Summary

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

Job ID: 400-202005-1

GC Semi VOA

Prep Batch: 528531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202005-2	TB-ROX-041321-8011	Total/NA	Water	8011	
400-202005-3	MW3-ROX-041321	Total/NA	Water	8011	
400-202005-4	MW24-ROX-041321	Total/NA	Water	8011	
400-202005-5	ROST3MW-ROX-041321	Total/NA	Water	8011	
400-202005-6	MW1-ROX-041321	Total/NA	Water	8011	
400-202005-7	P54-ROX-041321	Total/NA	Water	8011	
MB 400-528531/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-528531/2-A	Lab Control Sample	Total/NA	Water	8011	

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-529305/4
Matrix: Water
Analysis Batch: 529305

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			04/27/21 10:07	1
Acrolein	ND		20	10	ug/L			04/27/21 10:07	1
Acrylonitrile	ND		10	2.8	ug/L			04/27/21 10:07	1
Benzene	ND		1.0	0.38	ug/L			04/27/21 10:07	1
Bromobenzene	ND		1.0	0.54	ug/L			04/27/21 10:07	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/27/21 10:07	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Bromoform	ND		5.0	0.71	ug/L			04/27/21 10:07	1
Bromomethane	ND		1.0	0.98	ug/L			04/27/21 10:07	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/27/21 10:07	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Chloroethane	ND		1.0	0.76	ug/L			04/27/21 10:07	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/27/21 10:07	1
Chloroform	ND		1.0	0.60	ug/L			04/27/21 10:07	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/27/21 10:07	1
Chloromethane	ND		1.0	0.83	ug/L			04/27/21 10:07	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 10:07	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 10:07	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/27/21 10:07	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/27/21 10:07	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/27/21 10:07	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/27/21 10:07	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 10:07	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/27/21 10:07	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/27/21 10:07	1
2-Hexanone	ND		25	3.1	ug/L			04/27/21 10:07	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/27/21 10:07	1
Methylene bromide	ND		5.0	0.59	ug/L			04/27/21 10:07	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/27/21 10:07	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/27/21 10:07	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/27/21 10:07	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/27/21 10:07	1
Naphthalene	ND		1.0	1.0	ug/L			04/27/21 10:07	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/27/21 10:07	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/27/21 10:07	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/27/21 10:07	1
o-Xylene	ND		5.0	0.60	ug/L			04/27/21 10:07	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/27/21 10:07	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-529305/4
Matrix: Water
Analysis Batch: 529305

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			04/27/21 10:07	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/27/21 10:07	1
Styrene	ND		1.0	1.0	ug/L			04/27/21 10:07	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/27/21 10:07	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/27/21 10:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/27/21 10:07	1
Toluene	ND		1.0	0.41	ug/L			04/27/21 10:07	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 10:07	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 10:07	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/27/21 10:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/27/21 10:07	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/27/21 10:07	1
Trichloroethene	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/27/21 10:07	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/27/21 10:07	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/27/21 10:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/27/21 10:07	1
Vinyl acetate	ND		25	2.0	ug/L			04/27/21 10:07	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Xylenes, Total	ND		10	1.6	ug/L			04/27/21 10:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*04/27/21 10:07*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*04/27/21 10:07*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/27/21 10:07*	*1*

Lab Sample ID: 400-202005-3 MS
Matrix: Water
Analysis Batch: 529305

Client Sample ID: MW3-ROX-041321
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND	F1	200	302	F1	ug/L		151	43 - 150
Acrolein	ND		500	508		ug/L		102	38 - 150
Acrylonitrile	ND		500	650		ug/L		130	62 - 149
Benzene	ND		50.0	53.4		ug/L		107	56 - 142
Bromobenzene	ND		50.0	52.8		ug/L		106	59 - 136
Bromochloromethane	ND		50.0	58.7		ug/L		117	64 - 140
Bromodichloromethane	ND		50.0	49.8		ug/L		100	59 - 143
Bromoform	ND		50.0	51.5		ug/L		103	50 - 140
Bromomethane	ND		50.0	60.0		ug/L		120	10 - 150
2-Butanone (MEK)	ND		200	206		ug/L		103	55 - 150
Carbon disulfide	ND		50.0	49.5		ug/L		99	48 - 150
Carbon tetrachloride	ND		50.0	58.1		ug/L		116	55 - 145
Chlorobenzene	ND		50.0	52.3		ug/L		105	64 - 130
Dibromochloromethane	ND		50.0	51.5		ug/L		103	56 - 143
Chloroethane	ND	F1	50.0	75.8	F1	ug/L		152	50 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-202005-3 MS
Matrix: Water
Analysis Batch: 529305

Client Sample ID: MW3-ROX-041321
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	54.1		ug/L		108	60 - 141
1-Chlorohexane	ND		50.0	56.7		ug/L		113	56 - 136
Chloromethane	ND		50.0	61.1		ug/L		122	49 - 148
cis-1,2-Dichloroethene	ND		50.0	65.6		ug/L		131	59 - 143
cis-1,3-Dichloropropene	ND		50.0	51.9		ug/L		104	57 - 140
1,2-Dichlorobenzene	ND		50.0	50.2		ug/L		100	52 - 137
1,3-Dichlorobenzene	ND		50.0	50.7		ug/L		101	54 - 135
1,4-Dichlorobenzene	ND		50.0	52.1		ug/L		104	53 - 135
Dichlorodifluoromethane	ND		50.0	69.4		ug/L		139	16 - 150
1,1-Dichloroethane	ND		50.0	68.4		ug/L		137	61 - 144
1,2-Dichloroethane	ND		50.0	59.9		ug/L		120	60 - 141
1,1-Dichloroethene	ND		50.0	53.3		ug/L		107	54 - 147
1,2-Dichloropropane	ND		50.0	63.9		ug/L		128	66 - 137
1,3-Dichloropropane	ND		50.0	48.5		ug/L		97	66 - 133
2,2-Dichloropropane	ND		50.0	55.4		ug/L		111	42 - 144
1,1-Dichloropropene	ND		50.0	54.7		ug/L		109	65 - 136
Ethylbenzene	ND		50.0	46.8		ug/L		94	58 - 131
Ethyl methacrylate	ND		50.0	46.5		ug/L		93	64 - 130
Hexachlorobutadiene	ND		50.0	54.6		ug/L		109	31 - 149
2-Hexanone	ND		200	217		ug/L		108	65 - 140
Isopropylbenzene	0.63	J	50.0	48.4		ug/L		96	56 - 133
Methylene bromide	ND		50.0	49.0		ug/L		98	63 - 138
Methylene Chloride	ND		50.0	50.6		ug/L		101	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	242		ug/L		121	63 - 146
Methyl tert-butyl ether	ND		50.0	49.9		ug/L		100	59 - 137
m-Xylene & p-Xylene	ND		50.0	46.6		ug/L		93	57 - 130
Naphthalene	ND		50.0	59.8		ug/L		120	25 - 150
n-Butylbenzene	ND		50.0	42.0		ug/L		84	41 - 142
N-Propylbenzene	ND		50.0	47.6		ug/L		95	51 - 138
o-Chlorotoluene	ND		50.0	42.8		ug/L		86	53 - 134
o-Xylene	ND		50.0	45.4		ug/L		91	61 - 130
p-Chlorotoluene	ND		50.0	43.2		ug/L		86	54 - 133
p-Isopropyltoluene	ND		50.0	50.0		ug/L		100	48 - 139
sec-Butylbenzene	ND		50.0	46.0		ug/L		92	50 - 138
Styrene	ND		50.0	48.0		ug/L		96	58 - 131
tert-Butylbenzene	ND		50.0	44.4		ug/L		89	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	53.8		ug/L		108	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	42.4		ug/L		85	66 - 135
Tetrachloroethene	ND		50.0	50.9		ug/L		102	52 - 133
Toluene	ND		50.0	47.9		ug/L		96	65 - 130
trans-1,2-Dichloroethene	ND		50.0	54.8		ug/L		110	61 - 143
trans-1,3-Dichloropropene	ND		50.0	47.4		ug/L		95	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	56.7		ug/L		113	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	55.7		ug/L		111	39 - 148
1,1,1-Trichloroethane	ND		50.0	53.7		ug/L		107	57 - 142
1,1,2-Trichloroethane	ND		50.0	46.7		ug/L		93	66 - 131
Trichloroethene	ND		50.0	59.2		ug/L		118	64 - 136
Trichlorofluoromethane	ND		50.0	66.0		ug/L		132	54 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-202005-3 MS
Matrix: Water
Analysis Batch: 529305

Client Sample ID: MW3-ROX-041321
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	46.0		ug/L		92	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	46.1		ug/L		92	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	46.8		ug/L		94	52 - 135
Vinyl acetate	ND		100	111		ug/L		111	26 - 150
Vinyl chloride	ND	F1 *+	50.0	79.8	F1 *+	ug/L		160	46 - 150
Xylenes, Total	ND		100	92.0		ug/L		92	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: 400-202005-3 MSD
Matrix: Water
Analysis Batch: 529305

Client Sample ID: MW3-ROX-041321
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	F1	200	304	F1	ug/L		152	43 - 150	1	30
Acrolein	ND		500	546		ug/L		109	38 - 150	7	31
Acrylonitrile	ND		500	656		ug/L		131	62 - 149	1	30
Benzene	ND		50.0	51.9		ug/L		104	56 - 142	3	30
Bromobenzene	ND		50.0	50.1		ug/L		100	59 - 136	5	30
Bromochloromethane	ND		50.0	58.4		ug/L		117	64 - 140	1	30
Bromodichloromethane	ND		50.0	48.8		ug/L		98	59 - 143	2	30
Bromoform	ND		50.0	50.1		ug/L		100	50 - 140	3	30
Bromomethane	ND		50.0	58.5		ug/L		117	10 - 150	2	50
2-Butanone (MEK)	ND		200	211		ug/L		105	55 - 150	2	30
Carbon disulfide	ND		50.0	46.7		ug/L		93	48 - 150	6	30
Carbon tetrachloride	ND		50.0	56.8		ug/L		114	55 - 145	2	30
Chlorobenzene	ND		50.0	49.9		ug/L		100	64 - 130	5	30
Dibromochloromethane	ND		50.0	51.8		ug/L		104	56 - 143	1	30
Chloroethane	ND	F1	50.0	76.1	F1	ug/L		152	50 - 150	0	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	51.9		ug/L		104	60 - 141	4	30
1-Chlorohexane	ND		50.0	53.8		ug/L		108	56 - 136	5	30
Chloromethane	ND		50.0	63.7		ug/L		127	49 - 148	4	31
cis-1,2-Dichloroethene	ND		50.0	64.0		ug/L		128	59 - 143	2	30
cis-1,3-Dichloropropene	ND		50.0	50.4		ug/L		101	57 - 140	3	30
1,2-Dichlorobenzene	ND		50.0	47.5		ug/L		95	52 - 137	6	30
1,3-Dichlorobenzene	ND		50.0	48.2		ug/L		96	54 - 135	5	30
1,4-Dichlorobenzene	ND		50.0	48.5		ug/L		97	53 - 135	7	30
Dichlorodifluoromethane	ND		50.0	71.2		ug/L		142	16 - 150	3	31
1,1-Dichloroethane	ND		50.0	67.0		ug/L		134	61 - 144	2	30
1,2-Dichloroethane	ND		50.0	59.9		ug/L		120	60 - 141	0	30
1,1-Dichloroethene	ND		50.0	53.6		ug/L		107	54 - 147	1	30
1,2-Dichloropropane	ND		50.0	62.7		ug/L		125	66 - 137	2	30
1,3-Dichloropropane	ND		50.0	48.4		ug/L		97	66 - 133	0	30
2,2-Dichloropropane	ND		50.0	53.3		ug/L		107	42 - 144	4	31

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-202005-3 MSD
Matrix: Water
Analysis Batch: 529305

Client Sample ID: MW3-ROX-041321
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	52.9		ug/L		106	65 - 136	3	30
Ethylbenzene	ND		50.0	45.0		ug/L		90	58 - 131	4	30
Ethyl methacrylate	ND		50.0	47.3		ug/L		95	64 - 130	2	30
Hexachlorobutadiene	ND		50.0	49.4		ug/L		99	31 - 149	10	36
2-Hexanone	ND		200	223		ug/L		111	65 - 140	3	30
Isopropylbenzene	0.63	J	50.0	45.9		ug/L		90	56 - 133	5	30
Methylene bromide	ND		50.0	48.8		ug/L		98	63 - 138	0	30
Methylene Chloride	ND		50.0	49.4		ug/L		99	60 - 146	2	32
4-Methyl-2-pentanone (MIBK)	ND		200	247		ug/L		124	63 - 146	2	30
Methyl tert-butyl ether	ND		50.0	49.7		ug/L		99	59 - 137	0	30
m-Xylene & p-Xylene	ND		50.0	43.8		ug/L		88	57 - 130	6	30
Naphthalene	ND		50.0	61.4		ug/L		123	25 - 150	3	30
n-Butylbenzene	ND		50.0	38.6		ug/L		77	41 - 142	8	31
N-Propylbenzene	ND		50.0	43.7		ug/L		87	51 - 138	8	30
o-Chlorotoluene	ND		50.0	40.1		ug/L		80	53 - 134	6	30
o-Xylene	ND		50.0	43.7		ug/L		87	61 - 130	4	30
p-Chlorotoluene	ND		50.0	40.6		ug/L		81	54 - 133	6	30
p-Isopropyltoluene	ND		50.0	46.5		ug/L		93	48 - 139	7	30
sec-Butylbenzene	ND		50.0	43.2		ug/L		86	50 - 138	6	30
Styrene	ND		50.0	46.3		ug/L		93	58 - 131	3	30
tert-Butylbenzene	ND		50.0	42.4		ug/L		85	54 - 146	5	30
1,1,1,2-Tetrachloroethane	ND		50.0	52.3		ug/L		105	59 - 137	3	30
1,1,2,2-Tetrachloroethane	ND		50.0	43.6		ug/L		87	66 - 135	3	30
Tetrachloroethene	ND		50.0	48.9		ug/L		98	52 - 133	4	30
Toluene	ND		50.0	46.7		ug/L		93	65 - 130	2	30
trans-1,2-Dichloroethene	ND		50.0	51.8		ug/L		104	61 - 143	6	30
trans-1,3-Dichloropropene	ND		50.0	47.2		ug/L		94	53 - 133	0	30
1,2,3-Trichlorobenzene	ND		50.0	54.0		ug/L		108	43 - 145	5	30
1,2,4-Trichlorobenzene	ND		50.0	53.0		ug/L		106	39 - 148	5	30
1,1,1-Trichloroethane	ND		50.0	51.1		ug/L		102	57 - 142	5	30
1,1,2-Trichloroethane	ND		50.0	45.4		ug/L		91	66 - 131	3	30
Trichloroethene	ND		50.0	58.5		ug/L		117	64 - 136	1	30
Trichlorofluoromethane	ND		50.0	66.6		ug/L		133	54 - 150	1	30
1,2,3-Trichloropropane	ND		50.0	46.4		ug/L		93	65 - 133	1	30
1,2,4-Trimethylbenzene	ND		50.0	42.6		ug/L		85	50 - 139	8	30
1,3,5-Trimethylbenzene	ND		50.0	43.9		ug/L		88	52 - 135	7	30
Vinyl acetate	ND		100	108		ug/L		108	26 - 150	3	33
Vinyl chloride	ND	F1 *+	50.0	79.9	F1 *+	ug/L		160	46 - 150	0	30
Xylenes, Total	ND		100	87.5		ug/L		88	59 - 130	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*93*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-527852/1-A
Matrix: Water
Analysis Batch: 528281

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		04/16/21 09:34	04/20/21 11:40	1
Benzenethiol	ND		10	1.7	ug/L		04/16/21 09:34	04/20/21 11:40	1
Benzoic acid	ND		30	7.3	ug/L		04/16/21 09:34	04/20/21 11:40	1
Benzyl alcohol	ND		10	2.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/16/21 09:34	04/20/21 11:40	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/16/21 09:34	04/20/21 11:40	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/16/21 09:34	04/20/21 11:40	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/16/21 09:34	04/20/21 11:40	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Chloroaniline	ND		10	3.4	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		04/16/21 09:34	04/20/21 11:40	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/16/21 09:34	04/20/21 11:40	1
2-Chlorophenol	ND		10	2.2	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Dibenzofuran	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 11:40	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Diethyl phthalate	ND		10	0.24	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		04/16/21 09:34	04/20/21 11:40	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 11:40	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/16/21 09:34	04/20/21 11:40	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/16/21 09:34	04/20/21 11:40	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 11:40	1
1,4-Dioxane	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/16/21 09:34	04/20/21 11:40	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/16/21 09:34	04/20/21 11:40	1
Hexachloroethane	ND		10	4.2	ug/L		04/16/21 09:34	04/20/21 11:40	1
Indene	ND		10	1.0	ug/L		04/16/21 09:34	04/20/21 11:40	1
Isophorone	ND		10	0.14	ug/L		04/16/21 09:34	04/20/21 11:40	1
2-Methylphenol	ND		10	1.8	ug/L		04/16/21 09:34	04/20/21 11:40	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/16/21 09:34	04/20/21 11:40	1
2-Nitroaniline	ND		10	2.2	ug/L		04/16/21 09:34	04/20/21 11:40	1
3-Nitroaniline	ND		10	1.8	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Nitroaniline	ND		10	1.5	ug/L		04/16/21 09:34	04/20/21 11:40	1
Nitrobenzene	ND		10	0.13	ug/L		04/16/21 09:34	04/20/21 11:40	1
2-Nitrophenol	ND		10	5.2	ug/L		04/16/21 09:34	04/20/21 11:40	1
4-Nitrophenol	ND		10	2.1	ug/L		04/16/21 09:34	04/20/21 11:40	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		04/16/21 09:34	04/20/21 11:40	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		04/16/21 09:34	04/20/21 11:40	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/16/21 09:34	04/20/21 11:40	1
Pentachlorophenol	ND		20	1.4	ug/L		04/16/21 09:34	04/20/21 11:40	1
Phenol	ND		10	2.6	ug/L		04/16/21 09:34	04/20/21 11:40	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-527852/1-A
Matrix: Water
Analysis Batch: 528281

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	ND		10	3.2	ug/L		04/16/21 09:34	04/20/21 11:40	1
Quinoline	ND		10	4.5	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/16/21 09:34	04/20/21 11:40	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/16/21 09:34	04/20/21 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*46 - 124*	*04/16/21 09:34*	*04/20/21 11:40*	*1*
2-Fluorophenol	*28*		*13 - 113*	*04/16/21 09:34*	*04/20/21 11:40*	*1*
Nitrobenzene-d5	*70*		*36 - 126*	*04/16/21 09:34*	*04/20/21 11:40*	*1*
Phenol-d5	*59*		*17 - 127*	*04/16/21 09:34*	*04/20/21 11:40*	*1*
Terphenyl-d14	*85*		*44 - 149*	*04/16/21 09:34*	*04/20/21 11:40*	*1*
2,4,6-Tribromophenol	*62*		*26 - 150*	*04/16/21 09:34*	*04/20/21 11:40*	*1*

Lab Sample ID: LCS 400-527852/2-A
Matrix: Water
Analysis Batch: 528632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	69.1		ug/L		58	21 - 120
Benzoic acid	502	202		ug/L		40	10 - 144
Benzyl alcohol	120	55.5		ug/L		46	28 - 120
Bis(2-chloroethoxy)methane	120	62.4		ug/L		52	47 - 120
Bis(2-chloroethyl)ether	120	52.6		ug/L		44	44 - 120
bis (2-chloroisopropyl) ether	120	48.9		ug/L		41	33 - 121
Bis(2-ethylhexyl) phthalate	120	71.4		ug/L		60	52 - 147
4-Bromophenyl phenyl ether	120	78.3		ug/L		65	54 - 122
Butyl benzyl phthalate	120	70.5		ug/L		59	54 - 133
4-Chloroaniline	120	56.8		ug/L		47	26 - 120
4-Chloro-3-methylphenol	120	59.5		ug/L		50	48 - 131
2-Chloronaphthalene	120	72.3		ug/L		60	52 - 121
2-Chlorophenol	120	25.8	*-	ug/L		22	40 - 120
4-Chlorophenyl phenyl ether	120	78.1		ug/L		65	56 - 125
Dibenz[a,h]acridine	120	110		ug/L		92	31 - 150
Dibenzofuran	120	76.3		ug/L		64	56 - 122
3,3'-Dichlorobenzidine	160	144		ug/L		90	36 - 132
2,4-Dichlorophenol	120	42.9	*-	ug/L		36	49 - 120
Diethyl phthalate	120	76.6		ug/L		64	50 - 137
2,4-Dimethylphenol	120	61.3		ug/L		51	48 - 120
Dimethyl phthalate	120	73.9		ug/L		62	57 - 124
Di-n-butyl phthalate	120	73.1		ug/L		61	58 - 126
4,6-Dinitro-ortho-cresol	240	122		ug/L		51	23 - 148
2,4-Dinitrophenol	240	126		ug/L		52	10 - 150
2,4-Dinitrotoluene	120	81.1		ug/L		68	54 - 142
2,6-Dinitrotoluene	120	75.5		ug/L		63	55 - 130
Di-n-octyl phthalate	120	74.1		ug/L		62	57 - 138
1,4-Dioxane	120	43.0		ug/L		36	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	59.1		ug/L		49	45 - 124
Hexachlorobenzene	120	81.1		ug/L		68	52 - 129

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-527852/2-A
Matrix: Water
Analysis Batch: 528632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorocyclopentadiene	120	44.7		ug/L		37	10 - 134
Hexachloroethane	120	56.0		ug/L		47	20 - 120
Indene	120	96.1		ug/L		80	49 - 120
Isophorone	120	59.8		ug/L		50	48 - 120
2-Methylphenol	120	52.8	*-	ug/L		44	46 - 124
3 & 4 Methylphenol	120	48.2	*-	ug/L		40	45 - 120
2-Nitroaniline	120	61.4		ug/L		51	51 - 145
3-Nitroaniline	120	53.7		ug/L		45	37 - 127
4-Nitroaniline	120	74.8		ug/L		62	36 - 137
Nitrobenzene	120	57.0		ug/L		48	45 - 120
2-Nitrophenol	120	37.8	*-	ug/L		32	40 - 124
4-Nitrophenol	240	96.8		ug/L		40	23 - 146
N-Nitrosodimethylamine	120	56.7		ug/L		47	29 - 137
N-Nitrosodi-n-propylamine	120	61.9		ug/L		52	45 - 120
N-Nitrosodiphenylamine	119	69.3		ug/L		58	54 - 120
Pentachlorophenol	240	131		ug/L		55	31 - 130
Phenol	120	31.7		ug/L		26	11 - 120
Pyridine	240	81.3		ug/L		34	16 - 120
Quinoline	120	103		ug/L		86	49 - 130
2,4,5-Trichlorophenol	120	58.5	*-	ug/L		49	51 - 136
2,4,6-Trichlorophenol	120	55.2	*-	ug/L		46	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*91*		*46 - 124*
2-Fluorophenol	*17*		*13 - 113*
Nitrobenzene-d5	*75*		*36 - 126*
Phenol-d5	*41*		*17 - 127*
Terphenyl-d14	*101*		*44 - 149*
2,4,6-Tribromophenol	*94*		*26 - 150*

Lab Sample ID: LCS 400-527852/4-A
Matrix: Water
Analysis Batch: 528281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	2.56	J *-	ug/L		2	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*46 - 124*
2-Fluorophenol	*25*		*13 - 113*
Nitrobenzene-d5	*67*		*36 - 126*
Phenol-d5	*53*		*17 - 127*
Terphenyl-d14	*80*		*44 - 149*
2,4,6-Tribromophenol	*24*	*S1-*	*26 - 150*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-527852/3-A
Matrix: Water
Analysis Batch: 528632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	120	76.4		ug/L		64	21 - 120	10	30
Benzoic acid	502	101	*1	ug/L		20	10 - 144	67	30
Benzyl alcohol	120	60.6		ug/L		50	28 - 120	9	30
Bis(2-chloroethoxy)methane	120	67.7		ug/L		56	47 - 120	8	30
Bis(2-chloroethyl)ether	120	57.9		ug/L		48	44 - 120	10	30
bis (2-chloroisopropyl) ether	120	52.0		ug/L		43	33 - 121	6	30
Bis(2-ethylhexyl) phthalate	120	73.9		ug/L		62	52 - 147	3	30
4-Bromophenyl phenyl ether	120	84.4		ug/L		70	54 - 122	8	30
Butyl benzyl phthalate	120	76.1		ug/L		63	54 - 133	8	30
4-Chloroaniline	120	64.3		ug/L		54	26 - 120	12	30
4-Chloro-3-methylphenol	120	65.7		ug/L		55	48 - 131	10	30
2-Chloronaphthalene	120	77.4		ug/L		64	52 - 121	7	30
2-Chlorophenol	120	28.4	*-	ug/L		24	40 - 120	9	30
4-Chlorophenyl phenyl ether	120	84.2		ug/L		70	56 - 125	8	30
Dibenz[a,h]acridine	120	108		ug/L		90	31 - 150	2	30
Dibenzofuran	120	81.9		ug/L		68	56 - 122	7	30
3,3'-Dichlorobenzidine	160	143		ug/L		89	36 - 132	1	30
2,4-Dichlorophenol	120	50.2	*-	ug/L		42	49 - 120	16	30
Diethyl phthalate	120	80.7		ug/L		67	50 - 137	5	30
2,4-Dimethylphenol	120	68.5		ug/L		57	48 - 120	11	30
Dimethyl phthalate	120	79.3		ug/L		66	57 - 124	7	30
Di-n-butyl phthalate	120	76.3		ug/L		64	58 - 126	4	30
4,6-Dinitro-ortho-cresol	240	109		ug/L		46	23 - 148	11	30
2,4-Dinitrophenol	240	101		ug/L		42	10 - 150	22	30
2,4-Dinitrotoluene	120	86.2		ug/L		72	54 - 142	6	30
2,6-Dinitrotoluene	120	81.5		ug/L		68	55 - 130	8	30
Di-n-octyl phthalate	120	76.0		ug/L		63	57 - 138	3	30
1,4-Dioxane	120	46.6		ug/L		39	31 - 120	8	30
1,2-Diphenylhydrazine (as Azobenzene)	120	64.3		ug/L		54	45 - 124	8	30
Hexachlorobenzene	120	88.7		ug/L		74	52 - 129	9	30
Hexachlorocyclopentadiene	120	48.4		ug/L		40	10 - 134	8	30
Hexachloroethane	120	61.4		ug/L		51	20 - 120	9	30
Indene	120	102		ug/L		85	49 - 120	6	30
Isophorone	120	65.6		ug/L		55	48 - 120	9	30
2-Methylphenol	120	59.1		ug/L		49	46 - 124	11	30
3 & 4 Methylphenol	120	55.0		ug/L		46	45 - 120	13	30
2-Nitroaniline	120	65.9		ug/L		55	51 - 145	7	30
3-Nitroaniline	120	57.9		ug/L		48	37 - 127	8	30
4-Nitroaniline	120	76.8		ug/L		64	36 - 137	3	30
Nitrobenzene	120	62.9		ug/L		52	45 - 120	10	30
2-Nitrophenol	120	39.6	*-	ug/L		33	40 - 124	5	30
4-Nitrophenol	240	76.7		ug/L		32	23 - 146	23	30
N-Nitrosodimethylamine	120	56.9		ug/L		47	29 - 137	0	30
N-Nitrosodi-n-propylamine	120	67.3		ug/L		56	45 - 120	8	30
N-Nitrosodiphenylamine	119	75.1		ug/L		63	54 - 120	8	30
Pentachlorophenol	240	133		ug/L		55	31 - 130	1	30
Phenol	120	35.5		ug/L		30	11 - 120	11	30
Pyridine	240	82.4		ug/L		34	16 - 120	1	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-527852/3-A
Matrix: Water
Analysis Batch: 528632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Quinoline	120	116		ug/L		97	49 - 130	11	30
2,4,5-Trichlorophenol	120	61.5		ug/L		51	51 - 136	5	30
2,4,6-Trichlorophenol	120	55.7	*-	ug/L		46	50 - 127	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*96*		*46 - 124*
2-Fluorophenol	*18*		*13 - 113*
Nitrobenzene-d5	*83*		*36 - 126*
Phenol-d5	*47*		*17 - 127*
Terphenyl-d14	*108*		*44 - 149*
2,4,6-Tribromophenol	*95*		*26 - 150*

Lab Sample ID: LCSD 400-527852/5-A
Matrix: Water
Analysis Batch: 528281

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	84.5	*1	ug/L		70	10 - 120	188	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*46 - 124*
2-Fluorophenol	*82*		*13 - 113*
Nitrobenzene-d5	*78*		*36 - 126*
Phenol-d5	*84*		*17 - 127*
Terphenyl-d14	*101*		*44 - 149*
2,4,6-Tribromophenol	*62*		*26 - 150*

Lab Sample ID: MB 400-529480/1-A
Matrix: Water
Analysis Batch: 529667

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529480

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		04/28/21 10:20	04/29/21 15:51	1
Benzenethiol	ND		10	1.7	ug/L		04/28/21 10:20	04/29/21 15:51	1
Benzoic acid	ND		30	7.3	ug/L		04/28/21 10:20	04/29/21 15:51	1
Benzyl alcohol	ND		10	2.0	ug/L		04/28/21 10:20	04/29/21 15:51	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/28/21 10:20	04/29/21 15:51	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/28/21 10:20	04/29/21 15:51	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/28/21 10:20	04/29/21 15:51	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		04/28/21 10:20	04/29/21 15:51	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/28/21 10:20	04/29/21 15:51	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/28/21 10:20	04/29/21 15:51	1
4-Chloroaniline	ND		10	3.4	ug/L		04/28/21 10:20	04/29/21 15:51	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		04/28/21 10:20	04/29/21 15:51	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/28/21 10:20	04/29/21 15:51	1
2-Chlorophenol	ND		10	2.2	ug/L		04/28/21 10:20	04/29/21 15:51	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/28/21 10:20	04/29/21 15:51	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/28/21 10:20	04/29/21 15:51	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-529480/1-A
Matrix: Water
Analysis Batch: 529667

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529480

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		10	0.17	ug/L		04/28/21 10:20	04/29/21 15:51	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/28/21 10:20	04/29/21 15:51	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/28/21 10:20	04/29/21 15:51	1
Diethyl phthalate	ND		10	0.24	ug/L		04/28/21 10:20	04/29/21 15:51	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		04/28/21 10:20	04/29/21 15:51	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/28/21 10:20	04/29/21 15:51	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/28/21 10:20	04/29/21 15:51	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/28/21 10:20	04/29/21 15:51	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		04/28/21 10:20	04/29/21 15:51	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/28/21 10:20	04/29/21 15:51	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/28/21 10:20	04/29/21 15:51	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/28/21 10:20	04/29/21 15:51	1
1,4-Dioxane	ND		10	1.0	ug/L		04/28/21 10:20	04/29/21 15:51	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/28/21 10:20	04/29/21 15:51	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/28/21 10:20	04/29/21 15:51	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/28/21 10:20	04/29/21 15:51	1
Hexachloroethane	ND		10	4.2	ug/L		04/28/21 10:20	04/29/21 15:51	1
Indene	ND		10	1.0	ug/L		04/28/21 10:20	04/29/21 15:51	1
Isophorone	ND		10	0.14	ug/L		04/28/21 10:20	04/29/21 15:51	1
2-Methylphenol	ND		10	1.8	ug/L		04/28/21 10:20	04/29/21 15:51	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/28/21 10:20	04/29/21 15:51	1
2-Nitroaniline	ND		10	2.2	ug/L		04/28/21 10:20	04/29/21 15:51	1
3-Nitroaniline	ND		10	1.8	ug/L		04/28/21 10:20	04/29/21 15:51	1
4-Nitroaniline	ND		10	1.5	ug/L		04/28/21 10:20	04/29/21 15:51	1
Nitrobenzene	ND		10	0.13	ug/L		04/28/21 10:20	04/29/21 15:51	1
2-Nitrophenol	ND		10	5.2	ug/L		04/28/21 10:20	04/29/21 15:51	1
4-Nitrophenol	ND		10	2.1	ug/L		04/28/21 10:20	04/29/21 15:51	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		04/28/21 10:20	04/29/21 15:51	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		04/28/21 10:20	04/29/21 15:51	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/28/21 10:20	04/29/21 15:51	1
Pentachlorophenol	ND		20	1.4	ug/L		04/28/21 10:20	04/29/21 15:51	1
Phenol	ND		10	2.6	ug/L		04/28/21 10:20	04/29/21 15:51	1
Pyridine	ND		10	3.2	ug/L		04/28/21 10:20	04/29/21 15:51	1
Quinoline	ND		10	4.5	ug/L		04/28/21 10:20	04/29/21 15:51	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/28/21 10:20	04/29/21 15:51	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/28/21 10:20	04/29/21 15:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*46 - 124*	*04/28/21 10:20*	*04/29/21 15:51*	*1*
2-Fluorophenol	*10*	*S1-*	*13 - 113*	*04/28/21 10:20*	*04/29/21 15:51*	*1*
Nitrobenzene-d5	*67*		*36 - 126*	*04/28/21 10:20*	*04/29/21 15:51*	*1*
Phenol-d5	*50*		*17 - 127*	*04/28/21 10:20*	*04/29/21 15:51*	*1*
Terphenyl-d14	*109*		*44 - 149*	*04/28/21 10:20*	*04/29/21 15:51*	*1*
2,4,6-Tribromophenol	*72*		*26 - 150*	*04/28/21 10:20*	*04/29/21 15:51*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529480/2-A
Matrix: Water
Analysis Batch: 529667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529480

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	78.9		ug/L		66	21 - 120
Benzoic acid	502	230		ug/L		46	10 - 144
Benzyl alcohol	120	88.1		ug/L		73	28 - 120
Bis(2-chloroethoxy)methane	120	76.3		ug/L		64	47 - 120
Bis(2-chloroethyl)ether	120	83.9		ug/L		70	44 - 120
bis (2-chloroisopropyl) ether	120	74.6		ug/L		62	33 - 121
Bis(2-ethylhexyl) phthalate	120	117		ug/L		98	52 - 147
4-Bromophenyl phenyl ether	120	111		ug/L		93	54 - 122
Butyl benzyl phthalate	120	114		ug/L		95	54 - 133
4-Chloroaniline	120	78.8		ug/L		66	26 - 120
4-Chloro-3-methylphenol	120	101		ug/L		84	48 - 131
2-Chloronaphthalene	120	91.4		ug/L		76	52 - 121
2-Chlorophenol	120	84.7		ug/L		71	40 - 120
4-Chlorophenyl phenyl ether	120	101		ug/L		84	56 - 125
Dibenz[a,h]acridine	120	99.9		ug/L		83	31 - 150
Dibenzofuran	120	99.1		ug/L		83	56 - 122
3,3'-Dichlorobenzidine	160	184		ug/L		115	36 - 132
2,4-Dichlorophenol	120	92.3		ug/L		77	49 - 120
Diethyl phthalate	120	108		ug/L		90	50 - 137
2,4-Dimethylphenol	120	90.9		ug/L		76	48 - 120
Dimethyl phthalate	120	101		ug/L		84	57 - 124
Di-n-butyl phthalate	120	121		ug/L		101	58 - 126
4,6-Dinitro-ortho-cresol	240	244		ug/L		102	23 - 148
2,4-Dinitrophenol	240	261		ug/L		109	10 - 150
2,4-Dinitrotoluene	120	107		ug/L		89	54 - 142
2,6-Dinitrotoluene	120	102		ug/L		85	55 - 130
Di-n-octyl phthalate	120	124		ug/L		103	57 - 138
1,4-Dioxane	120	61.8		ug/L		52	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	91.0		ug/L		76	45 - 124
Hexachlorobenzene	120	118		ug/L		99	52 - 129
Hexachlorocyclopentadiene	120	70.0		ug/L		58	10 - 134
Hexachloroethane	120	95.0		ug/L		79	20 - 120
Indene	120	96.1		ug/L		80	49 - 120
Isophorone	120	79.4		ug/L		66	48 - 120
2-Methylphenol	120	102		ug/L		85	46 - 124
3 & 4 Methylphenol	120	93.3		ug/L		78	45 - 120
2-Nitroaniline	120	87.6		ug/L		73	51 - 145
3-Nitroaniline	120	83.0		ug/L		69	37 - 127
4-Nitroaniline	120	72.8		ug/L		61	36 - 137
Nitrobenzene	120	73.6		ug/L		61	45 - 120
2-Nitrophenol	120	96.4		ug/L		80	40 - 124
4-Nitrophenol	240	214		ug/L		89	23 - 146
N-Nitrosodimethylamine	120	86.0		ug/L		72	29 - 137
N-Nitrosodi-n-propylamine	120	88.5		ug/L		74	45 - 120
N-Nitrosodiphenylamine	119	101		ug/L		85	54 - 120
Pentachlorophenol	240	221		ug/L		92	31 - 130
Phenol	120	76.6		ug/L		64	11 - 120
Pyridine	240	128		ug/L		53	16 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529480/2-A
Matrix: Water
Analysis Batch: 529667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529480

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Quinoline	120	96.0		ug/L		80	49 - 130
2,4,5-Trichlorophenol	120	106		ug/L		89	51 - 136
2,4,6-Trichlorophenol	120	97.3		ug/L		81	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*46 - 124*
2-Fluorophenol	*46*		*13 - 113*
Nitrobenzene-d5	*70*		*36 - 126*
Phenol-d5	*70*		*17 - 127*
Terphenyl-d14	*93*		*44 - 149*
2,4,6-Tribromophenol	*101*		*26 - 150*

Lab Sample ID: LCS 400-529480/3-A
Matrix: Water
Analysis Batch: 529667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529480

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	41.0		ug/L		34	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*46 - 124*
2-Fluorophenol	*26*		*13 - 113*
Nitrobenzene-d5	*58*		*36 - 126*
Phenol-d5	*53*		*17 - 127*
Terphenyl-d14	*89*		*44 - 149*
2,4,6-Tribromophenol	*61*		*26 - 150*

Lab Sample ID: LCSD 400-529480/4-A
Matrix: Water
Analysis Batch: 529667

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 529480

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	57.7	*1	ug/L		48	10 - 120	34	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*46 - 124*
2-Fluorophenol	*45*		*13 - 113*
Nitrobenzene-d5	*69*		*36 - 126*
Phenol-d5	*73*		*17 - 127*
Terphenyl-d14	*107*		*44 - 149*
2,4,6-Tribromophenol	*75*		*26 - 150*

QC Sample Results

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

Job ID: 400-202005-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-527852/1-A
Matrix: Water
Analysis Batch: 528357

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 527852

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		04/16/21 09:34	04/20/21 17:02	1
Acenaphthylene	ND		0.20	0.045	ug/L		04/16/21 09:34	04/20/21 17:02	1
Anthracene	ND		0.20	0.032	ug/L		04/16/21 09:34	04/20/21 17:02	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		04/16/21 09:34	04/20/21 17:02	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/16/21 09:34	04/20/21 17:02	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/16/21 09:34	04/20/21 17:02	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/16/21 09:34	04/20/21 17:02	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/16/21 09:34	04/20/21 17:02	1
Chrysene	ND		0.20	0.074	ug/L		04/16/21 09:34	04/20/21 17:02	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		04/16/21 09:34	04/20/21 17:02	1
Fluoranthene	ND		0.20	0.068	ug/L		04/16/21 09:34	04/20/21 17:02	1
Fluorene	ND		0.20	0.11	ug/L		04/16/21 09:34	04/20/21 17:02	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/16/21 09:34	04/20/21 17:02	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		04/16/21 09:34	04/20/21 17:02	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		04/16/21 09:34	04/20/21 17:02	1
Phenanthrene	ND		0.20	0.036	ug/L		04/16/21 09:34	04/20/21 17:02	1
Pyrene	ND		0.20	0.040	ug/L		04/16/21 09:34	04/20/21 17:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*15 - 122*	*04/16/21 09:34*	*04/20/21 17:02*	*1*
Nitrobenzene-d5	*32*		*19 - 130*	*04/16/21 09:34*	*04/20/21 17:02*	*1*
Terphenyl-d14	*80*		*33 - 138*	*04/16/21 09:34*	*04/20/21 17:02*	*1*

Lab Sample ID: LCS 400-527852/2-A
Matrix: Water
Analysis Batch: 528357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	63.5		ug/L		53	41 - 120
Acenaphthylene	120	66.1		ug/L		55	44 - 120
Anthracene	120	68.1		ug/L		57	49 - 120
Benzo[a]anthracene	120	62.5	*-	ug/L		52	61 - 135
Benzo[a]pyrene	120	68.2		ug/L		57	52 - 120
Benzo[b]fluoranthene	120	61.8	*-	ug/L		51	53 - 134
Benzo[g,h,i]perylene	120	60.6		ug/L		50	47 - 133
Benzo[k]fluoranthene	120	60.3	*-	ug/L		50	57 - 134
Chrysene	120	58.3	*-	ug/L		49	55 - 122
Dibenz(a,h)anthracene	120	58.9		ug/L		49	48 - 146
Fluoranthene	120	73.6		ug/L		61	54 - 128
Fluorene	120	67.1		ug/L		56	45 - 125
Indeno[1,2,3-cd]pyrene	120	59.5		ug/L		50	43 - 142
1-Methylnaphthalene	120	49.6		ug/L		41	41 - 120
2-Methylnaphthalene	120	53.7		ug/L		45	32 - 124
Phenanthrene	120	63.3		ug/L		53	48 - 120
Pyrene	120	62.3		ug/L		52	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*15 - 122*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-527852/2-A
Matrix: Water
Analysis Batch: 528357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 527852

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	32		19 - 130
Terphenyl-d14	86		33 - 138

Lab Sample ID: LCSD 400-527852/3-A
Matrix: Water
Analysis Batch: 528357

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 527852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	120	68.1		ug/L		57	41 - 120	7	56
Acenaphthylene	120	69.9		ug/L		58	44 - 120	6	56
Anthracene	120	72.6		ug/L		61	49 - 120	6	51
Benzo[a]anthracene	120	66.7	*-	ug/L		56	61 - 135	7	49
Benzo[a]pyrene	120	73.9		ug/L		62	52 - 120	8	50
Benzo[b]fluoranthene	120	67.0		ug/L		56	53 - 134	8	54
Benzo[g,h,i]perylene	120	64.5		ug/L		54	47 - 133	6	50
Benzo[k]fluoranthene	120	66.0	*-	ug/L		55	57 - 134	9	52
Chrysene	120	62.7	*-	ug/L		52	55 - 122	7	50
Dibenz(a,h)anthracene	120	62.1		ug/L		52	48 - 146	5	50
Fluoranthene	120	76.9		ug/L		64	54 - 128	4	52
Fluorene	120	71.4		ug/L		60	45 - 125	6	56
Indeno[1,2,3-cd]pyrene	120	63.7		ug/L		53	43 - 142	7	51
1-Methylnaphthalene	120	52.8		ug/L		44	41 - 120	6	55
2-Methylnaphthalene	120	56.9		ug/L		47	32 - 124	6	57
Phenanthrene	120	66.4		ug/L		55	48 - 120	5	56
Pyrene	120	65.2		ug/L		54	48 - 132	5	52

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	82		15 - 122
Nitrobenzene-d5	29		19 - 130
Terphenyl-d14	86		33 - 138

Lab Sample ID: MB 400-529480/1-A
Matrix: Water
Analysis Batch: 529645

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529480

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		04/28/21 10:20	04/29/21 19:25	1
Acenaphthylene	ND		0.20	0.045	ug/L		04/28/21 10:20	04/29/21 19:25	1
Anthracene	ND		0.20	0.032	ug/L		04/28/21 10:20	04/29/21 19:25	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		04/28/21 10:20	04/29/21 19:25	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/28/21 10:20	04/29/21 19:25	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/28/21 10:20	04/29/21 19:25	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/28/21 10:20	04/29/21 19:25	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/28/21 10:20	04/29/21 19:25	1
Chrysene	ND		0.20	0.074	ug/L		04/28/21 10:20	04/29/21 19:25	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		04/28/21 10:20	04/29/21 19:25	1
Fluoranthene	ND		0.20	0.068	ug/L		04/28/21 10:20	04/29/21 19:25	1
Fluorene	ND		0.20	0.11	ug/L		04/28/21 10:20	04/29/21 19:25	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 400-529480/1-A
Matrix: Water
Analysis Batch: 529645

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529480

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/28/21 10:20	04/29/21 19:25	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		04/28/21 10:20	04/29/21 19:25	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		04/28/21 10:20	04/29/21 19:25	1
Phenanthrene	ND		0.20	0.036	ug/L		04/28/21 10:20	04/29/21 19:25	1
Pyrene	ND		0.20	0.040	ug/L		04/28/21 10:20	04/29/21 19:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*15 - 122*	*04/28/21 10:20*	*04/29/21 19:25*	*1*
Nitrobenzene-d5	*40*		*19 - 130*	*04/28/21 10:20*	*04/29/21 19:25*	*1*
Terphenyl-d14	*93*		*33 - 138*	*04/28/21 10:20*	*04/29/21 19:25*	*1*

Lab Sample ID: LCS 400-529480/2-A
Matrix: Water
Analysis Batch: 529645

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529480

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	114		ug/L		95	41 - 120
Acenaphthylene	120	114		ug/L		95	44 - 120
Anthracene	120	114		ug/L		95	49 - 120
Benzo[a]anthracene	120	105		ug/L		87	61 - 135
Benzo[a]pyrene	120	115		ug/L		96	52 - 120
Benzo[b]fluoranthene	120	97.2		ug/L		81	53 - 134
Benzo[g,h,i]perylene	120	78.2		ug/L		65	47 - 133
Benzo[k]fluoranthene	120	97.6		ug/L		81	57 - 134
Chrysene	120	101		ug/L		84	55 - 122
Dibenz(a,h)anthracene	120	82.0		ug/L		68	48 - 146
Fluoranthene	120	128		ug/L		106	54 - 128
Fluorene	120	124		ug/L		104	45 - 125
Indeno[1,2,3-cd]pyrene	120	82.8		ug/L		69	43 - 142
1-Methylnaphthalene	120	81.5		ug/L		68	41 - 120
2-Methylnaphthalene	120	90.8		ug/L		76	32 - 124
Phenanthrene	120	110		ug/L		91	48 - 120
Pyrene	120	102		ug/L		85	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*15 - 122*
Nitrobenzene-d5	*32*		*19 - 130*
Terphenyl-d14	*82*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-528531/1-A
Matrix: Water
Analysis Batch: 528406

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528531

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		04/21/21 12:16	04/21/21 16:02	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/21/21 12:16	04/21/21 16:02	1

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: MB 400-528531/1-A
Matrix: Water
Analysis Batch: 528406

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528531

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*51 - 149*	*04/21/21 12:16*	*04/21/21 16:02*	*1*

Lab Sample ID: LCS 400-528531/2-A
Matrix: Water
Analysis Batch: 528406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.0922		ug/L		92	60 - 140
1,2-Dibromoethane	0.101	0.108		ug/L		107	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*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 (_____)

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 – 3.2.2F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 4/13/21

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 60648474 – 3.2.2F

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AECOM Other ID

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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): Aaron Oliver, Tony Jones

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

60648474 – 3.2.2F

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270LL
	TB-Rox-041321-8260	04/13/21	00:00	Water	2					2	X			
	TB-Rox-041321-8011		00:00		2					2		X		
	MW3-Rox-041321		0905		6			2		8	X	X	X	X
	MW24-Rox-041321		0955		6			2		8	X	X	X	X
	Rost3MW-Rox-041321		1100		6			2		8	X	X	X	X
	MW1-Rox-041321		1210		6			2		8	X	X	X	X
	PS4-Rox-041321		1320		6			2		8	X	X	X	X

400-202005 COC

FIELD NOTES:

TEMPERATURE ON RECEIPT C°: 1.0, 1.9, 0.0

IR-7

Container PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

Fedex: 9509 0064 1445 / 9509 0064 1456 / 9509 0064 1434

Date: 4/13/21 Time: 1600

Date: 4-14-21 Time: 0945

CUSTODY SEALS: 1450629, 1450628, 1450627, 1450626, 1450631, 1450630

Version 2Apr21

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4/30/2021

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-202005-1

Login Number: 202005
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	1.0, 1.9, 0.0°C IR7
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: 400-202005-1

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
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
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	P330-21-00056	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 – 2nd Quarter 2021 Data Review

Laboratory SDG: 400-202015-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 6/8/2021

Guidance: USEPA National Functional Guidelines for Organic Superfund Methods Data Review 2020

Sample Identification	Sample Identification
TB-ROX-041321-8011-SS	TB-ROX-041321-8260-SS
T12-ROX-041321	P59-ROX-041321

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 benzo[a]anthracene was detected in the method blank. Several VOC and SVOC LCS/LCSD recoveries, or SVOC LCS/LCSD RPDs, for several analytes were outside evaluation criteria. Samples T12-ROX-041321 and P59-ROX-041321 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?

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 400-528295/1-A	PAHs	Benzo[a]anthracene	0.104 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
P59-ROX-041321	PAHs	Benzo[a]anthracene	-	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 400-529305/1002	VOCs	Vinyl chloride	**139**	NA	59-136
LCS/LCSD 400-528295/2-A/3-A	SVOCs	Benzoic acid	58/12	**133**	10-144/30
LCS/LCSD 400-528295/2-A/3-A	SVOCs	2,4-Dinitrophenol	103/60	**53**	10-150/30
LCS/LCSD 400-528295/6-A/7-A	SVOCs	Benzenethiol	**2/2**	**46**	10-120/30

Analytical data that required qualification based on LCS/LCSD data are included in the table below. Professional judgment was used to qualify, however not reject, data associated with benzenethiol in LCS/LCSD 400-528295/6-A/7-A; benzenethiol has been identified as a poor performing analyte under Method 8270. Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification.

Sample ID	Parameter	Analyte	Qualification
T12-ROX-041321	SVOCs	Benzenethiol	UJ
P59-ROX-041321	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?

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; analytes were detected in samples that were diluted.

12.0 Additional Qualifications

Were additional qualifications applied?

No

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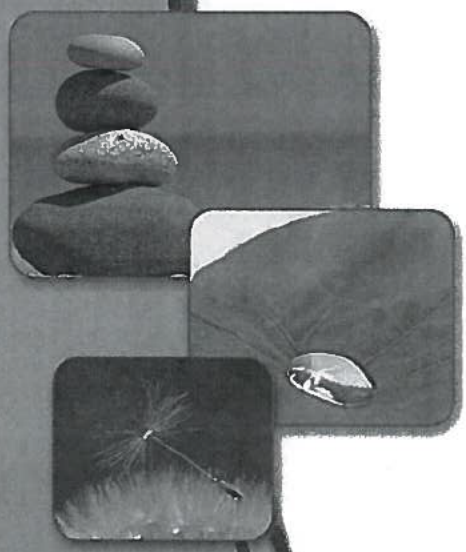
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



ANALYTICAL REPORT

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

Laboratory Job ID: 400-202015-1
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:
4/30/2021 1:16:50 PM

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

Reviewed 6/8/2021
MR

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: 400-202015-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-202015-1

Comments
No additional comments.

Receipt
The samples were received on 4/14/2021 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.0° C, 1.0° C and 1.9° C.

GC/MS VOA
Method 8260B: The continuing calibration verification (CCV) associated with batch 400-529305 recovered above the upper control limit for Vinyl chloride. 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 400-529305 recovered outside control limits for the following analytes: Vinyl chloride. 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 RPD for the MS/MSD for 2-chloroethyl vinyl ether was not calculable for analytical batch 400-529305 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: T12-ROX-041321 (400-202015-3) and P59-ROX-041321 (400-202015-4). Elevated reporting limits (RLs) are provided.

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-041321-8260-SS (400-202015-2), T12-ROX-041321 (400-202015-3) and P59-ROX-041321 (400-202015-4). 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 initial calibration verification (ICV) analyzed in batch 400-504636 was outside method criteria for the following analyte(s): Dichlorodifluoromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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 400-528295 and analytical batch 400-528896 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-528295 and analytical batch 400-528896 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 400-528295 and analytical batch 400-528995 recovered outside control limits for the following analytes: 2,4-Dinitrophenol and Benzoic acid.

Method 8270D LL: The method blank for preparation batch 400-528295 and analytical batch 400-528844 contained 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: Three 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: (400-202218-E-1-C). These results have been reported and qualified.

Job ID: 400-202015-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

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 400-528406 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane and Ethylene Dibromide. 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: 400-202015-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-202015-1	TB-ROX-041321-8011-SS	Water	04/13/21 00:00	04/14/21 09:45	
400-202015-2	TB-ROX-041321-8260-SS	Water	04/13/21 00:00	04/14/21 09:45	
400-202015-3	T12-ROX-041321	Water	04/13/21 12:05	04/14/21 09:45	
400-202015-4	P59-ROX-041321	Water	04/13/21 13:00	04/14/21 09:45	

Detection Summary

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

Job ID: 400-202015-1

Client Sample ID: TB-ROX-041321-8011-SS

Lab Sample ID: 400-202015-1

No Detections.

Client Sample ID: TB-ROX-041321-8260-SS

Lab Sample ID: 400-202015-2

No Detections.

Client Sample ID: T12-ROX-041321

Lab Sample ID: 400-202015-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1400		10	3.8	ug/L	10		8260B	Total/NA
Ethylbenzene	11		10	5.0	ug/L	10		8260B	Total/NA
Isopropylbenzene	6.5	J	10	5.3	ug/L	10		8260B	Total/NA
m-Xylene & p-Xylene	49	J	50	16	ug/L	10		8260B	Total/NA
Naphthalene	18		10	10	ug/L	10		8260B	Total/NA
N-Propylbenzene	10		10	6.9	ug/L	10		8260B	Total/NA
Toluene	28		10	4.1	ug/L	10		8260B	Total/NA
1,2,4-Trimethylbenzene	8.2	J	10	8.2	ug/L	10		8260B	Total/NA
1,3,5-Trimethylbenzene	7.8	J	10	5.6	ug/L	10		8260B	Total/NA
Xylenes, Total	52	J	100	16	ug/L	10		8260B	Total/NA
Fluoranthene	0.076	J	0.22	0.073	ug/L	1		8270D LL	Total/NA
Pyrene	0.094	J	0.22	0.043	ug/L	1		8270D LL	Total/NA
Bis(2-ethylhexyl) phthalate	5.4	J	11	5.4	ug/L	1		8270D	Total/NA
Phenol	90		11	2.8	ug/L	1		8270D	Total/NA

Client Sample ID: P59-ROX-041321

Lab Sample ID: 400-202015-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2500		20	7.6	ug/L	20		8260B	Total/NA
Ethylbenzene	250		20	10	ug/L	20		8260B	Total/NA
Isopropylbenzene	41		20	11	ug/L	20		8260B	Total/NA
m-Xylene & p-Xylene	300		100	32	ug/L	20		8260B	Total/NA
Naphthalene	170		20	20	ug/L	20		8260B	Total/NA
N-Propylbenzene	66		20	14	ug/L	20		8260B	Total/NA
o-Xylene	12	J	100	12	ug/L	20		8260B	Total/NA
Toluene	150		20	8.2	ug/L	20		8260B	Total/NA
1,2,4-Trimethylbenzene	140		20	16	ug/L	20		8260B	Total/NA
1,3,5-Trimethylbenzene	65		20	11	ug/L	20		8260B	Total/NA
Xylenes, Total	310		200	32	ug/L	20		8260B	Total/NA
Acenaphthene	0.30		0.21	0.034	ug/L	1		8270D LL	Total/NA
Benzo[a]anthracene	~~0.090~~	J B U	0.21	0.049	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	0.051	J	0.21	0.036	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.17	J	0.21	0.072	ug/L	1		8270D LL	Total/NA
Fluorene	0.71		0.21	0.12	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	10		0.21	0.079	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	15		0.21	0.064	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.85		0.21	0.038	ug/L	1		8270D LL	Total/NA
Pyrene	0.27		0.21	0.042	ug/L	1		8270D LL	Total/NA
Phenol	30		11	2.8	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: 400-202015-1

Client Sample ID: TB-ROX-041321-8011-SS
Date Collected: 04/13/21 00:00
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202015-1
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		0.030	0.0055	ug/L		04/21/21 12:18	04/21/21 23:36	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/21/21 12:18	04/21/21 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*	*p*	*51 - 149*	*04/21/21 12:18*	*04/21/21 23:36*	*1*

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

Job ID: 400-202015-1

Client Sample ID: TB-ROX-041321-8260-SS
Date Collected: 04/13/21 00:00
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202015-2
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			04/27/21 10:31	1
Acrolein	ND		20	10	ug/L			04/27/21 10:31	1
Acrylonitrile	ND		10	2.8	ug/L			04/27/21 10:31	1
Benzene	ND		1.0	0.38	ug/L			04/27/21 10:31	1
Bromobenzene	ND		1.0	0.54	ug/L			04/27/21 10:31	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/27/21 10:31	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/27/21 10:31	1
Bromoform	ND		5.0	0.71	ug/L			04/27/21 10:31	1
Bromomethane	ND		1.0	0.98	ug/L			04/27/21 10:31	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/27/21 10:31	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/27/21 10:31	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/27/21 10:31	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/27/21 10:31	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/27/21 10:31	1
Chloroethane	ND		1.0	0.76	ug/L			04/27/21 10:31	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/27/21 10:31	1
Chloroform	ND		1.0	0.60	ug/L			04/27/21 10:31	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/27/21 10:31	1
Chloromethane	ND		1.0	0.83	ug/L			04/27/21 10:31	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 10:31	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 10:31	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/27/21 10:31	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/27/21 10:31	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/27/21 10:31	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/27/21 10:31	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 10:31	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 10:31	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 10:31	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 10:31	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 10:31	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 10:31	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/27/21 10:31	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/27/21 10:31	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/27/21 10:31	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/27/21 10:31	1
2-Hexanone	ND		25	3.1	ug/L			04/27/21 10:31	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/27/21 10:31	1
Methylene bromide	ND		5.0	0.59	ug/L			04/27/21 10:31	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/27/21 10:31	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/27/21 10:31	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/27/21 10:31	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/27/21 10:31	1
Naphthalene	ND		1.0	1.0	ug/L			04/27/21 10:31	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/27/21 10:31	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/27/21 10:31	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/27/21 10:31	1
o-Xylene	ND		5.0	0.60	ug/L			04/27/21 10:31	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/27/21 10:31	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/27/21 10:31	1

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

Job ID: 400-202015-1

Client Sample ID: TB-ROX-041321-8260-SS
Date Collected: 04/13/21 00:00
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202015-2
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			04/27/21 10:31	1
Styrene	ND		1.0	1.0	ug/L			04/27/21 10:31	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/27/21 10:31	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/27/21 10:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/27/21 10:31	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/27/21 10:31	1
Toluene	ND		1.0	0.41	ug/L			04/27/21 10:31	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 10:31	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 10:31	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/27/21 10:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/27/21 10:31	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/27/21 10:31	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/27/21 10:31	1
Trichloroethene	ND		1.0	0.50	ug/L			04/27/21 10:31	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/27/21 10:31	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/27/21 10:31	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/27/21 10:31	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/27/21 10:31	1
Vinyl acetate	ND		25	2.0	ug/L			04/27/21 10:31	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/27/21 10:31	1
Xylenes, Total	ND		10	1.6	ug/L			04/27/21 10:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*04/27/21 10:31*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*04/27/21 10:31*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/27/21 10:31*	*1*

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

Job ID: 400-202015-1

Client Sample ID: T12-ROX-041321
Date Collected: 04/13/21 12:05
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202015-3
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			04/27/21 13:24	10
Acrolein	ND		200	100	ug/L			04/27/21 13:24	10
Acrylonitrile	ND		100	28	ug/L			04/27/21 13:24	10
Benzene	**1400**		10	3.8	ug/L			04/27/21 13:24	10
Bromobenzene	ND		10	5.4	ug/L			04/27/21 13:24	10
Bromochloromethane	ND		10	5.2	ug/L			04/27/21 13:24	10
Bromodichloromethane	ND		10	5.0	ug/L			04/27/21 13:24	10
Bromoform	ND		50	7.1	ug/L			04/27/21 13:24	10
Bromomethane	ND		10	9.8	ug/L			04/27/21 13:24	10
2-Butanone (MEK)	ND		250	26	ug/L			04/27/21 13:24	10
Carbon disulfide	ND		10	5.0	ug/L			04/27/21 13:24	10
Carbon tetrachloride	ND		10	5.0	ug/L			04/27/21 13:24	10
Chlorobenzene	ND		10	5.0	ug/L			04/27/21 13:24	10
Dibromochloromethane	ND		10	5.0	ug/L			04/27/21 13:24	10
Chloroethane	ND		10	7.6	ug/L			04/27/21 13:24	10
2-Chloroethyl vinyl ether	ND		50	20	ug/L			04/27/21 13:24	10
Chloroform	ND		10	6.0	ug/L			04/27/21 13:24	10
1-Chlorohexane	ND		10	7.0	ug/L			04/27/21 13:24	10
Chloromethane	ND		10	8.3	ug/L			04/27/21 13:24	10
cis-1,2-Dichloroethene	ND		10	5.0	ug/L			04/27/21 13:24	10
cis-1,3-Dichloropropene	ND		50	5.0	ug/L			04/27/21 13:24	10
1,2-Dichlorobenzene	ND		10	5.0	ug/L			04/27/21 13:24	10
1,3-Dichlorobenzene	ND		10	5.4	ug/L			04/27/21 13:24	10
1,4-Dichlorobenzene	ND		10	6.4	ug/L			04/27/21 13:24	10
Dichlorodifluoromethane	ND		10	8.5	ug/L			04/27/21 13:24	10
1,1-Dichloroethane	ND		10	5.0	ug/L			04/27/21 13:24	10
1,2-Dichloroethane	ND		10	5.0	ug/L			04/27/21 13:24	10
1,1-Dichloroethene	ND		10	5.0	ug/L			04/27/21 13:24	10
1,2-Dichloropropane	ND		10	5.0	ug/L			04/27/21 13:24	10
1,3-Dichloropropane	ND		10	5.0	ug/L			04/27/21 13:24	10
2,2-Dichloropropane	ND		10	5.0	ug/L			04/27/21 13:24	10
1,1-Dichloropropene	ND		10	5.0	ug/L			04/27/21 13:24	10
Ethylbenzene	**11**		10	5.0	ug/L			04/27/21 13:24	10
Ethyl methacrylate	ND		10	6.0	ug/L			04/27/21 13:24	10
Hexachlorobutadiene	ND		50	9.0	ug/L			04/27/21 13:24	10
2-Hexanone	ND		250	31	ug/L			04/27/21 13:24	10
Isopropylbenzene	**6.5**	**J**	10	5.3	ug/L			04/27/21 13:24	10
Methylene bromide	ND		50	5.9	ug/L			04/27/21 13:24	10
Methylene Chloride	ND		50	30	ug/L			04/27/21 13:24	10
4-Methyl-2-pentanone (MIBK)	ND		250	18	ug/L			04/27/21 13:24	10
Methyl tert-butyl ether	ND		10	7.4	ug/L			04/27/21 13:24	10
m-Xylene & p-Xylene	**49**	**J**	50	16	ug/L			04/27/21 13:24	10
Naphthalene	**18**		10	10	ug/L			04/27/21 13:24	10
n-Butylbenzene	ND		10	7.6	ug/L			04/27/21 13:24	10
N-Propylbenzene	**10**		10	6.9	ug/L			04/27/21 13:24	10
o-Chlorotoluene	ND		10	5.7	ug/L			04/27/21 13:24	10
o-Xylene	ND		50	6.0	ug/L			04/27/21 13:24	10
p-Chlorotoluene	ND		10	5.6	ug/L			04/27/21 13:24	10
p-Isopropyltoluene	ND		10	7.1	ug/L			04/27/21 13:24	10

Client Sample ID: T12-ROX-041321
Date Collected: 04/13/21 12:05
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202015-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		10	7.0	ug/L			04/27/21 13:24	10
Styrene	ND		10	10	ug/L			04/27/21 13:24	10
tert-Butylbenzene	ND		10	6.3	ug/L			04/27/21 13:24	10
1,1,1,2-Tetrachloroethane	ND		10	5.2	ug/L			04/27/21 13:24	10
1,1,2,2-Tetrachloroethane	ND		10	5.0	ug/L			04/27/21 13:24	10
Tetrachloroethene	ND		10	5.8	ug/L			04/27/21 13:24	10
Toluene	**28**		10	4.1	ug/L			04/27/21 13:24	10
trans-1,2-Dichloroethene	ND		10	5.0	ug/L			04/27/21 13:24	10
trans-1,3-Dichloropropene	ND		50	5.0	ug/L			04/27/21 13:24	10
1,2,3-Trichlorobenzene	ND		10	7.0	ug/L			04/27/21 13:24	10
1,2,4-Trichlorobenzene	ND		10	8.2	ug/L			04/27/21 13:24	10
1,1,1-Trichloroethane	ND		10	5.0	ug/L			04/27/21 13:24	10
1,1,2-Trichloroethane	ND		50	5.0	ug/L			04/27/21 13:24	10
Trichloroethene	ND		10	5.0	ug/L			04/27/21 13:24	10
Trichlorofluoromethane	ND		10	5.2	ug/L			04/27/21 13:24	10
1,2,3-Trichloropropane	ND		50	8.4	ug/L			04/27/21 13:24	10
1,2,4-Trimethylbenzene	**8.2**	J	10	8.2	ug/L			04/27/21 13:24	10
1,3,5-Trimethylbenzene	**7.8**	J	10	5.6	ug/L			04/27/21 13:24	10
Vinyl acetate	ND		250	20	ug/L			04/27/21 13:24	10
Vinyl chloride	ND	*+	10	5.0	ug/L			04/27/21 13:24	10
Xylenes, Total	**52**	J	100	16	ug/L			04/27/21 13:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*04/27/21 13:24*	*10*
Dibromofluoromethane	*98*		*81 - 121*		*04/27/21 13:24*	*10*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/27/21 13:24*	*10*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.22	0.034	ug/L		04/20/21 10:15	04/23/21 11:54	1
Acenaphthylene	ND		0.22	0.048	ug/L		04/20/21 10:15	04/23/21 11:54	1
Anthracene	ND		0.22	0.034	ug/L		04/20/21 10:15	04/23/21 11:54	1
Benzo[a]anthracene	ND		0.22	0.050	ug/L		04/20/21 10:15	04/23/21 11:54	1
Benzo[a]pyrene	ND		0.22	0.045	ug/L		04/20/21 10:15	04/23/21 11:54	1
Benzo[b]fluoranthene	ND		0.22	0.037	ug/L		04/20/21 10:15	04/23/21 11:54	1
Benzo[g,h,i]perylene	ND		0.22	0.14	ug/L		04/20/21 10:15	04/23/21 11:54	1
Benzo[k]fluoranthene	ND		0.22	0.11	ug/L		04/20/21 10:15	04/23/21 11:54	1
Chrysene	ND		0.22	0.080	ug/L		04/20/21 10:15	04/23/21 11:54	1
Dibenz(a,h)anthracene	ND		0.22	0.054	ug/L		04/20/21 10:15	04/23/21 11:54	1
Fluoranthene	**0.076**	J	0.22	0.073	ug/L		04/20/21 10:15	04/23/21 11:54	1
Fluorene	ND		0.22	0.12	ug/L		04/20/21 10:15	04/23/21 11:54	1
Indeno[1,2,3-cd]pyrene	ND		0.22	0.046	ug/L		04/20/21 10:15	04/23/21 11:54	1
1-Methylnaphthalene	ND		0.22	0.080	ug/L		04/20/21 10:15	04/23/21 11:54	1
2-Methylnaphthalene	ND		0.22	0.065	ug/L		04/20/21 10:15	04/23/21 11:54	1
Phenanthrene	ND		0.22	0.039	ug/L		04/20/21 10:15	04/23/21 11:54	1
Pyrene	**0.094**	J	0.22	0.043	ug/L		04/20/21 10:15	04/23/21 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*15 - 122*	*04/20/21 10:15*	*04/23/21 11:54*	*1*
Nitrobenzene-d5	*43*		*19 - 130*	*04/20/21 10:15*	*04/23/21 11:54*	*1*

Client Sample ID: T12-ROX-041321
Date Collected: 04/13/21 12:05
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202015-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*90*		*33 - 138*	*04/20/21 10:15*	*04/23/21 11:54*	*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		04/20/21 10:15	04/22/21 18:32	1
Benzenethiol	ND	*- *1	11	1.8	ug/L		04/20/21 10:15	04/23/21 20:33	1
Benzoic acid	ND	*1	32	7.9	ug/L		04/20/21 10:15	04/22/21 18:32	1
Benzyl alcohol	ND		11	2.2	ug/L		04/20/21 10:15	04/22/21 18:32	1
Bis(2-chloroethoxy)methane	ND		11	0.17	ug/L		04/20/21 10:15	04/22/21 18:32	1
Bis(2-chloroethyl)ether	ND		11	2.9	ug/L		04/20/21 10:15	04/22/21 18:32	1
bis (2-chloroisopropyl) ether	ND		11	0.17	ug/L		04/20/21 10:15	04/22/21 18:32	1
Bis(2-ethylhexyl) phthalate	5.4	J	11	5.4	ug/L		04/20/21 10:15	04/22/21 18:32	1
4-Bromophenyl phenyl ether	ND		11	0.22	ug/L		04/20/21 10:15	04/22/21 18:32	1
Butyl benzyl phthalate	ND		11	0.20	ug/L		04/20/21 10:15	04/22/21 18:32	1
4-Chloroaniline	ND		11	3.7	ug/L		04/20/21 10:15	04/22/21 18:32	1
4-Chloro-3-methylphenol	ND		11	4.1	ug/L		04/20/21 10:15	04/22/21 18:32	1
2-Chloronaphthalene	ND		11	0.15	ug/L		04/20/21 10:15	04/22/21 18:32	1
2-Chlorophenol	ND		11	2.4	ug/L		04/20/21 10:15	04/22/21 18:32	1
4-Chlorophenyl phenyl ether	ND		11	2.2	ug/L		04/20/21 10:15	04/22/21 18:32	1
Dibenz[a,h]acridine	ND		11	1.1	ug/L		04/20/21 10:15	04/22/21 18:32	1
Dibenzofuran	ND		11	0.18	ug/L		04/20/21 10:15	04/22/21 18:32	1
3,3'-Dichlorobenzidine	ND		11	2.8	ug/L		04/20/21 10:15	04/22/21 18:32	1
2,4-Dichlorophenol	ND		11	3.2	ug/L		04/20/21 10:15	04/22/21 18:32	1
Diethyl phthalate	ND		11	0.26	ug/L		04/20/21 10:15	04/22/21 18:32	1
2,4-Dimethylphenol	ND		11	3.8	ug/L		04/20/21 10:15	04/22/21 18:32	1
Dimethyl phthalate	ND		11	0.18	ug/L		04/20/21 10:15	04/22/21 18:32	1
Di-n-butyl phthalate	ND		11	2.9	ug/L		04/20/21 10:15	04/22/21 18:32	1
4,6-Dinitro-ortho-cresol	ND		11	1.7	ug/L		04/20/21 10:15	04/22/21 18:32	1
2,4-Dinitrophenol	ND	*1	32	3.7	ug/L		04/20/21 10:15	04/22/21 18:32	1
2,4-Dinitrotoluene	ND		11	2.0	ug/L		04/20/21 10:15	04/22/21 18:32	1
2,6-Dinitrotoluene	ND		11	2.0	ug/L		04/20/21 10:15	04/22/21 18:32	1
Di-n-octyl phthalate	ND		11	0.18	ug/L		04/20/21 10:15	04/22/21 18:32	1
1,4-Dioxane	ND		11	1.1	ug/L		04/20/21 10:15	04/22/21 18:32	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		11	1.1	ug/L		04/20/21 10:15	04/22/21 18:32	1
Hexachlorobenzene	ND		11	0.18	ug/L		04/20/21 10:15	04/22/21 18:32	1
Hexachlorocyclopentadiene	ND		22	2.8	ug/L		04/20/21 10:15	04/22/21 18:32	1
Hexachloroethane	ND		11	4.5	ug/L		04/20/21 10:15	04/22/21 18:32	1
Indene	ND		11	1.1	ug/L		04/20/21 10:15	04/22/21 18:32	1
Isophorone	ND		11	0.15	ug/L		04/20/21 10:15	04/22/21 18:32	1
2-Methylphenol	ND		11	1.9	ug/L		04/20/21 10:15	04/22/21 18:32	1
3 & 4 Methylphenol	ND		22	0.42	ug/L		04/20/21 10:15	04/22/21 18:32	1
2-Nitroaniline	ND		11	2.4	ug/L		04/20/21 10:15	04/22/21 18:32	1
3-Nitroaniline	ND		11	1.9	ug/L		04/20/21 10:15	04/22/21 18:32	1
4-Nitroaniline	ND		11	1.6	ug/L		04/20/21 10:15	04/22/21 18:32	1
Nitrobenzene	ND		11	0.14	ug/L		04/20/21 10:15	04/22/21 18:32	1
2-Nitrophenol	ND		11	5.6	ug/L		04/20/21 10:15	04/22/21 18:32	1
4-Nitrophenol	ND		11	2.3	ug/L		04/20/21 10:15	04/22/21 18:32	1
N-Nitrosodimethylamine	ND		11	3.8	ug/L		04/20/21 10:15	04/22/21 18:32	1

Client Sample ID: T12-ROX-041321
Date Collected: 04/13/21 12:05
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202015-3
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		11	3.6	ug/L		04/20/21 10:15	04/22/21 18:32	1
N-Nitrosodiphenylamine	ND		11	0.19	ug/L		04/20/21 10:15	04/22/21 18:32	1
Pentachlorophenol	ND		22	1.5	ug/L		04/20/21 10:15	04/22/21 18:32	1
Phenol	90		11	2.8	ug/L		04/20/21 10:15	04/22/21 18:32	1
Pyridine	ND		11	3.4	ug/L		04/20/21 10:15	04/22/21 18:32	1
Quinoline	ND		11	4.8	ug/L		04/20/21 10:15	04/22/21 18:32	1
2,4,5-Trichlorophenol	ND		11	4.0	ug/L		04/20/21 10:15	04/22/21 18:32	1
2,4,6-Trichlorophenol	ND		11	3.8	ug/L		04/20/21 10:15	04/22/21 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*46 - 124*	*04/20/21 10:15*	*04/22/21 18:32*	*1*
2-Fluorophenol	*21*		*13 - 113*	*04/20/21 10:15*	*04/22/21 18:32*	*1*
Nitrobenzene-d5	*70*		*36 - 126*	*04/20/21 10:15*	*04/22/21 18:32*	*1*
Phenol-d5	*57*		*17 - 127*	*04/20/21 10:15*	*04/22/21 18:32*	*1*
Terphenyl-d14	*89*		*44 - 149*	*04/20/21 10:15*	*04/22/21 18:32*	*1*
2,4,6-Tribromophenol	*86*		*26 - 150*	*04/20/21 10:15*	*04/22/21 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		0.030	0.0055	ug/L		04/21/21 12:18	04/21/21 23:56	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/21/21 12:18	04/21/21 23:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*111*	*p*	*51 - 149*	*04/21/21 12:18*	*04/21/21 23:56*	*1*

Client Sample ID: P59-ROX-041321
Date Collected: 04/13/21 13:00
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202015-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		500	200	ug/L			04/27/21 13:49	20
Acrolein	ND		400	200	ug/L			04/27/21 13:49	20
Acrylonitrile	ND		200	56	ug/L			04/27/21 13:49	20
Benzene	**2500**		20	7.6	ug/L			04/27/21 13:49	20
Bromobenzene	ND		20	11	ug/L			04/27/21 13:49	20
Bromochloromethane	ND		20	10	ug/L			04/27/21 13:49	20
Bromodichloromethane	ND		20	10	ug/L			04/27/21 13:49	20
Bromoform	ND		100	14	ug/L			04/27/21 13:49	20
Bromomethane	ND		20	20	ug/L			04/27/21 13:49	20
2-Butanone (MEK)	ND		500	52	ug/L			04/27/21 13:49	20
Carbon disulfide	ND		20	10	ug/L			04/27/21 13:49	20
Carbon tetrachloride	ND		20	10	ug/L			04/27/21 13:49	20
Chlorobenzene	ND		20	10	ug/L			04/27/21 13:49	20
Dibromochloromethane	ND		20	10	ug/L			04/27/21 13:49	20
Chloroethane	ND		20	15	ug/L			04/27/21 13:49	20
2-Chloroethyl vinyl ether	ND		100	40	ug/L			04/27/21 13:49	20
Chloroform	ND		20	12	ug/L			04/27/21 13:49	20
1-Chlorohexane	ND		20	14	ug/L			04/27/21 13:49	20
Chloromethane	ND		20	17	ug/L			04/27/21 13:49	20
cis-1,2-Dichloroethene	ND		20	10	ug/L			04/27/21 13:49	20
cis-1,3-Dichloropropene	ND		100	10	ug/L			04/27/21 13:49	20
1,2-Dichlorobenzene	ND		20	10	ug/L			04/27/21 13:49	20
1,3-Dichlorobenzene	ND		20	11	ug/L			04/27/21 13:49	20
1,4-Dichlorobenzene	ND		20	13	ug/L			04/27/21 13:49	20
Dichlorodifluoromethane	ND		20	17	ug/L			04/27/21 13:49	20
1,1-Dichloroethane	ND		20	10	ug/L			04/27/21 13:49	20
1,2-Dichloroethane	ND		20	10	ug/L			04/27/21 13:49	20
1,1-Dichloroethene	ND		20	10	ug/L			04/27/21 13:49	20
1,2-Dichloropropane	ND		20	10	ug/L			04/27/21 13:49	20
1,3-Dichloropropane	ND		20	10	ug/L			04/27/21 13:49	20
2,2-Dichloropropane	ND		20	10	ug/L			04/27/21 13:49	20
1,1-Dichloropropene	ND		20	10	ug/L			04/27/21 13:49	20
Ethylbenzene	**250**		20	10	ug/L			04/27/21 13:49	20
Ethyl methacrylate	ND		20	12	ug/L			04/27/21 13:49	20
Hexachlorobutadiene	ND		100	18	ug/L			04/27/21 13:49	20
2-Hexanone	ND		500	62	ug/L			04/27/21 13:49	20
Isopropylbenzene	**41**		20	11	ug/L			04/27/21 13:49	20
Methylene bromide	ND		100	12	ug/L			04/27/21 13:49	20
Methylene Chloride	ND		100	60	ug/L			04/27/21 13:49	20
4-Methyl-2-pentanone (MIBK)	ND		500	36	ug/L			04/27/21 13:49	20
Methyl tert-butyl ether	ND		20	15	ug/L			04/27/21 13:49	20
m-Xylene & p-Xylene	**300**		100	32	ug/L			04/27/21 13:49	20
Naphthalene	**170**		20	20	ug/L			04/27/21 13:49	20
n-Butylbenzene	ND		20	15	ug/L			04/27/21 13:49	20
N-Propylbenzene	**66**		20	14	ug/L			04/27/21 13:49	20
o-Chlorotoluene	ND		20	11	ug/L			04/27/21 13:49	20
o-Xylene	**12**	**J**	100	12	ug/L			04/27/21 13:49	20
p-Chlorotoluene	ND		20	11	ug/L			04/27/21 13:49	20
p-Isopropyltoluene	ND		20	14	ug/L			04/27/21 13:49	20

Client Sample ID: P59-ROX-041321
Date Collected: 04/13/21 13:00
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202015-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		20	14	ug/L			04/27/21 13:49	20
Styrene	ND		20	20	ug/L			04/27/21 13:49	20
tert-Butylbenzene	ND		20	13	ug/L			04/27/21 13:49	20
1,1,1,2-Tetrachloroethane	ND		20	10	ug/L			04/27/21 13:49	20
1,1,2,2-Tetrachloroethane	ND		20	10	ug/L			04/27/21 13:49	20
Tetrachloroethene	ND		20	12	ug/L			04/27/21 13:49	20
Toluene	**150**		20	8.2	ug/L			04/27/21 13:49	20
trans-1,2-Dichloroethene	ND		20	10	ug/L			04/27/21 13:49	20
trans-1,3-Dichloropropene	ND		100	10	ug/L			04/27/21 13:49	20
1,2,3-Trichlorobenzene	ND		20	14	ug/L			04/27/21 13:49	20
1,2,4-Trichlorobenzene	ND		20	16	ug/L			04/27/21 13:49	20
1,1,1-Trichloroethane	ND		20	10	ug/L			04/27/21 13:49	20
1,1,2-Trichloroethane	ND		100	10	ug/L			04/27/21 13:49	20
Trichloroethene	ND		20	10	ug/L			04/27/21 13:49	20
Trichlorofluoromethane	ND		20	10	ug/L			04/27/21 13:49	20
1,2,3-Trichloropropane	ND		100	17	ug/L			04/27/21 13:49	20
1,2,4-Trimethylbenzene	**140**		20	16	ug/L			04/27/21 13:49	20
1,3,5-Trimethylbenzene	**65**		20	11	ug/L			04/27/21 13:49	20
Vinyl acetate	ND		500	40	ug/L			04/27/21 13:49	20
Vinyl chloride	ND	*+	20	10	ug/L			04/27/21 13:49	20
Xylenes, Total	**310**		200	32	ug/L			04/27/21 13:49	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*04/27/21 13:49*	*20*
Dibromofluoromethane	*99*		*81 - 121*		*04/27/21 13:49*	*20*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/27/21 13:49*	*20*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.30**		0.21	0.034	ug/L		04/20/21 10:15	04/23/21 12:10	1
Acenaphthylene	ND		0.21	0.048	ug/L		04/20/21 10:15	04/23/21 12:10	1
Anthracene	ND		0.21	0.034	ug/L		04/20/21 10:15	04/23/21 12:10	1
Benzo[a]anthracene	~~0.096~~	J B U	0.21	0.049	ug/L		04/20/21 10:15	04/23/21 12:10	1
Benzo[a]pyrene	ND		0.21	0.045	ug/L		04/20/21 10:15	04/23/21 12:10	1
Benzo[b]fluoranthene	**0.051**	J	0.21	0.036	ug/L		04/20/21 10:15	04/23/21 12:10	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		04/20/21 10:15	04/23/21 12:10	1
Benzo[k]fluoranthene	ND		0.21	0.11	ug/L		04/20/21 10:15	04/23/21 12:10	1
Chrysene	ND		0.21	0.079	ug/L		04/20/21 10:15	04/23/21 12:10	1
Dibenz(a,h)anthracene	ND		0.21	0.053	ug/L		04/20/21 10:15	04/23/21 12:10	1
Fluoranthene	**0.17**	J	0.21	0.072	ug/L		04/20/21 10:15	04/23/21 12:10	1
Fluorene	**0.71**		0.21	0.12	ug/L		04/20/21 10:15	04/23/21 12:10	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.046	ug/L		04/20/21 10:15	04/23/21 12:10	1
1-Methylnaphthalene	**10**		0.21	0.079	ug/L		04/20/21 10:15	04/23/21 12:10	1
2-Methylnaphthalene	**15**		0.21	0.064	ug/L		04/20/21 10:15	04/23/21 12:10	1
Phenanthrene	**0.85**		0.21	0.038	ug/L		04/20/21 10:15	04/23/21 12:10	1
Pyrene	**0.27**		0.21	0.042	ug/L		04/20/21 10:15	04/23/21 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*15 - 122*	*04/20/21 10:15*	*04/23/21 12:10*	*1*
Nitrobenzene-d5	*39*		*19 - 130*	*04/20/21 10:15*	*04/23/21 12:10*	*1*

Client Sample ID: P59-ROX-041321
Date Collected: 04/13/21 13:00
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202015-4
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	57		33 - 138	04/20/21 10:15	04/23/21 12:10	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		04/20/21 10:15	04/22/21 18:54	1
Benzenethiol	ND	*- *1 UJ	11	1.8	ug/L		04/20/21 10:15	04/23/21 20:56	1
Benzoic acid	ND	*1	32	7.7	ug/L		04/20/21 10:15	04/22/21 18:54	1
Benzyl alcohol	ND		11	2.1	ug/L		04/20/21 10:15	04/22/21 18:54	1
Bis(2-chloroethoxy)methane	ND		11	0.17	ug/L		04/20/21 10:15	04/22/21 18:54	1
Bis(2-chloroethyl)ether	ND		11	2.9	ug/L		04/20/21 10:15	04/22/21 18:54	1
bis (2-chloroisopropyl) ether	ND		11	0.17	ug/L		04/20/21 10:15	04/22/21 18:54	1
Bis(2-ethylhexyl) phthalate	ND		11	5.3	ug/L		04/20/21 10:15	04/22/21 18:54	1
4-Bromophenyl phenyl ether	ND		11	0.21	ug/L		04/20/21 10:15	04/22/21 18:54	1
Butyl benzyl phthalate	ND		11	0.20	ug/L		04/20/21 10:15	04/22/21 18:54	1
4-Chloroaniline	ND		11	3.6	ug/L		04/20/21 10:15	04/22/21 18:54	1
4-Chloro-3-methylphenol	ND		11	4.0	ug/L		04/20/21 10:15	04/22/21 18:54	1
2-Chloronaphthalene	ND		11	0.15	ug/L		04/20/21 10:15	04/22/21 18:54	1
2-Chlorophenol	ND		11	2.3	ug/L		04/20/21 10:15	04/22/21 18:54	1
4-Chlorophenyl phenyl ether	ND		11	2.1	ug/L		04/20/21 10:15	04/22/21 18:54	1
Dibenz[a,h]acridine	ND		11	1.1	ug/L		04/20/21 10:15	04/22/21 18:54	1
Dibenzofuran	ND		11	0.18	ug/L		04/20/21 10:15	04/22/21 18:54	1
3,3'-Dichlorobenzidine	ND		11	2.8	ug/L		04/20/21 10:15	04/22/21 18:54	1
2,4-Dichlorophenol	ND		11	3.2	ug/L		04/20/21 10:15	04/22/21 18:54	1
Diethyl phthalate	ND		11	0.25	ug/L		04/20/21 10:15	04/22/21 18:54	1
2,4-Dimethylphenol	ND		11	3.7	ug/L		04/20/21 10:15	04/22/21 18:54	1
Dimethyl phthalate	ND		11	0.18	ug/L		04/20/21 10:15	04/22/21 18:54	1
Di-n-butyl phthalate	ND		11	2.9	ug/L		04/20/21 10:15	04/22/21 18:54	1
4,6-Dinitro-ortho-cresol	ND		11	1.7	ug/L		04/20/21 10:15	04/22/21 18:54	1
2,4-Dinitrophenol	ND	*1	32	3.6	ug/L		04/20/21 10:15	04/22/21 18:54	1
2,4-Dinitrotoluene	ND		11	2.0	ug/L		04/20/21 10:15	04/22/21 18:54	1
2,6-Dinitrotoluene	ND		11	2.0	ug/L		04/20/21 10:15	04/22/21 18:54	1
Di-n-octyl phthalate	ND		11	0.18	ug/L		04/20/21 10:15	04/22/21 18:54	1
1,4-Dioxane	ND		11	1.1	ug/L		04/20/21 10:15	04/22/21 18:54	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		11	1.1	ug/L		04/20/21 10:15	04/22/21 18:54	1
Hexachlorobenzene	ND		11	0.18	ug/L		04/20/21 10:15	04/22/21 18:54	1
Hexachlorocyclopentadiene	ND		21	2.8	ug/L		04/20/21 10:15	04/22/21 18:54	1
Hexachloroethane	ND		11	4.5	ug/L		04/20/21 10:15	04/22/21 18:54	1
Indene	ND		11	1.1	ug/L		04/20/21 10:15	04/22/21 18:54	1
Isophorone	ND		11	0.15	ug/L		04/20/21 10:15	04/22/21 18:54	1
2-Methylphenol	ND		11	1.9	ug/L		04/20/21 10:15	04/22/21 18:54	1
3 & 4 Methylphenol	ND		21	0.41	ug/L		04/20/21 10:15	04/22/21 18:54	1
2-Nitroaniline	ND		11	2.3	ug/L		04/20/21 10:15	04/22/21 18:54	1
3-Nitroaniline	ND		11	1.9	ug/L		04/20/21 10:15	04/22/21 18:54	1
4-Nitroaniline	ND		11	1.6	ug/L		04/20/21 10:15	04/22/21 18:54	1
Nitrobenzene	ND		11	0.14	ug/L		04/20/21 10:15	04/22/21 18:54	1
2-Nitrophenol	ND		11	5.5	ug/L		04/20/21 10:15	04/22/21 18:54	1
4-Nitrophenol	ND		11	2.2	ug/L		04/20/21 10:15	04/22/21 18:54	1
N-Nitrosodimethylamine	ND		11	3.7	ug/L		04/20/21 10:15	04/22/21 18:54	1

Client Sample ID: P59-ROX-041321
Date Collected: 04/13/21 13:00
Date Received: 04/14/21 09:45

Lab Sample ID: 400-202015-4
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		04/20/21 10:15	04/22/21 18:54	1
N-Nitrosodiphenylamine	ND		11	0.19	ug/L		04/20/21 10:15	04/22/21 18:54	1
Pentachlorophenol	ND		21	1.5	ug/L		04/20/21 10:15	04/22/21 18:54	1
Phenol	30		11	2.8	ug/L		04/20/21 10:15	04/22/21 18:54	1
Pyridine	ND		11	3.4	ug/L		04/20/21 10:15	04/22/21 18:54	1
Quinoline	ND		11	4.8	ug/L		04/20/21 10:15	04/22/21 18:54	1
2,4,5-Trichlorophenol	ND		11	3.9	ug/L		04/20/21 10:15	04/22/21 18:54	1
2,4,6-Trichlorophenol	ND		11	3.7	ug/L		04/20/21 10:15	04/22/21 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*61*		*46 - 124*	*04/20/21 10:15*	*04/22/21 18:54*	*1*
2-Fluorophenol	*17*		*13 - 113*	*04/20/21 10:15*	*04/22/21 18:54*	*1*
Nitrobenzene-d5	*62*		*36 - 126*	*04/20/21 10:15*	*04/22/21 18:54*	*1*
Phenol-d5	*42*		*17 - 127*	*04/20/21 10:15*	*04/22/21 18:54*	*1*
Terphenyl-d14	*49*		*44 - 149*	*04/20/21 10:15*	*04/22/21 18:54*	*1*
2,4,6-Tribromophenol	*79*		*26 - 150*	*04/20/21 10:15*	*04/22/21 18:54*	*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		04/21/21 12:18	04/22/21 00:15	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		04/21/21 12:18	04/22/21 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*	*p*	*51 - 149*	*04/21/21 12:18*	*04/22/21 00:15*	*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.
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: 400-202015-1

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)
400-202015-2	TB-ROX-041321-8260-SS	87	97	91
400-202015-3	T12-ROX-041321	86	98	93
400-202015-4	P59-ROX-041321	87	99	91
LCS 400-529305/1002	Lab Control Sample	85	105	93
MB 400-529305/4	Method Blank	89	99	91

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)
400-202015-3	T12-ROX-041321	72	21	70	57	89	86
400-202015-4	P59-ROX-041321	61	17	62	42	49	79
LCS 400-528295/2-A	Lab Control Sample	90	30	83	70	108	101
LCS 400-528295/6-A	Lab Control Sample	53	21	53	46	97	30
LCSD 400-528295/3-A	Lab Control Sample Dup	87	31	81	71	105	101
LCSD 400-528295/7-A	Lab Control Sample Dup	54	31	54	49	100	51
MB 400-528295/1-A	Method Blank	103	37	97	83	146	85

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)
400-202015-3	T12-ROX-041321	83	43	90
400-202015-4	P59-ROX-041321	70	39	57
LCS 400-528295/2-A	Lab Control Sample	89	24	93
LCSD 400-528295/3-A	Lab Control Sample Dup	88	24	88
MB 400-528295/1-A	Method Blank	87	30	97

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: 400-202015-1

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)
400-202015-1	TB-ROX-041321-8011-SS	113 p
400-202015-3	T12-ROX-041321	111 p
400-202015-4	P59-ROX-041321	88 p
LCS 400-528531/2-A	Lab Control Sample	94
MB 400-528531/1-A	Method Blank	82

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

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

Job ID: 400-202015-1

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: 400-202015-1

Client Sample ID: TB-ROX-041321-8011-SS

Lab Sample ID: 400-202015-1

Date Collected: 04/13/21 00:00
Matrix: Water
Date Received: 04/14/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			35.3 mL	35 mL	528531	04/21/21 12:18	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 23:36	DS	TAL PEN

Client Sample ID: TB-ROX-041321-8260-SS

Lab Sample ID: 400-202015-2

Date Collected: 04/13/21 00:00
Matrix: Water
Date Received: 04/14/21 09:45

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	529305	04/27/21 10:31	BEP	TAL PEN

Client Sample ID: T12-ROX-041321

Lab Sample ID: 400-202015-3

Date Collected: 04/13/21 12:05
Matrix: Water
Date Received: 04/14/21 09:45

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	529305	04/27/21 13:24	BEP	TAL PEN
Total/NA	Prep	3520C			232 mL	1 mL	528295	04/20/21 10:15	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528701	04/22/21 18:32	VC1	TAL PEN
Total/NA	Prep	3520C			232 mL	1 mL	528295	04/20/21 10:15	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/23/21 20:33	VC1	TAL PEN
Total/NA	Prep	3520C			232 mL	1 mL	528295	04/20/21 10:15	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528844	04/23/21 11:54	PP1	TAL PEN
Total/NA	Prep	8011			35.3 mL	35 mL	528531	04/21/21 12:18	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 23:56	DS	TAL PEN

Client Sample ID: P59-ROX-041321

Lab Sample ID: 400-202015-4

Date Collected: 04/13/21 13:00
Matrix: Water
Date Received: 04/14/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5 mL	5 mL	529305	04/27/21 13:49	BEP	TAL PEN
Total/NA	Prep	3520C			235.6 mL	1 mL	528295	04/20/21 10:15	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528701	04/22/21 18:54	VC1	TAL PEN
Total/NA	Prep	3520C			235.6 mL	1 mL	528295	04/20/21 10:15	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/23/21 20:56	VC1	TAL PEN
Total/NA	Prep	3520C			235.6 mL	1 mL	528295	04/20/21 10:15	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528844	04/23/21 12:10	PP1	TAL PEN
Total/NA	Prep	8011			35.8 mL	35 mL	528531	04/21/21 12:18	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/22/21 00:15	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528295/1-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	528295	04/20/21 10:14	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528701	04/22/21 13:46	VC1	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	528295	04/20/21 10:14	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528995	04/24/21 17:06	VC1	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	528295	04/20/21 10:14	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528844	04/23/21 11:08	PP1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528531/1-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	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 16:02	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-529305/4

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	529305	04/27/21 10:07	BEP	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-528295/2-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	528295	04/20/21 10:14	HMW	TAL PEN
Total/NA	Analysis	8270D		1	0.4 mL	1.0 mL	528995	04/24/21 17:28	VC1	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	528295	04/20/21 10:14	HMW	TAL PEN
Total/NA	Analysis	8270D LL		5			528844	04/23/21 11:23	PP1	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-528295/6-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	528295	04/20/21 10:14	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/23/21 19:48	VC1	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-528531/2-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	528531	04/21/21 12:16	DS	TAL PEN
Total/NA	Analysis	8011		1			528406	04/21/21 16:21	DS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-529305/1002

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	529305	04/27/21 09:07	BEP	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-528295/3-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	528295	04/20/21 10:14	HMW	TAL PEN
Total/NA	Analysis	8270D		1	0.4 mL	1.0 mL	528995	04/24/21 17:50	VC1	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	528295	04/20/21 10:14	HMW	TAL PEN
Total/NA	Analysis	8270D LL		5			528844	04/23/21 11:39	PP1	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-528295/7-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	528295	04/20/21 10:14	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/23/21 20:11	VC1	TAL PEN

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 529305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202015-2	TB-ROX-041321-8260-SS	Total/NA	Water	8260B	
400-202015-3	T12-ROX-041321	Total/NA	Water	8260B	
400-202015-4	P59-ROX-041321	Total/NA	Water	8260B	
MB 400-529305/4	Method Blank	Total/NA	Water	8260B	
LCS 400-529305/1002	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 528295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202015-3	T12-ROX-041321	Total/NA	Water	3520C	
400-202015-4	P59-ROX-041321	Total/NA	Water	3520C	
MB 400-528295/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-528295/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-528295/6-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-528295/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-528295/7-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 528701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202015-3	T12-ROX-041321	Total/NA	Water	8270D	528295
400-202015-4	P59-ROX-041321	Total/NA	Water	8270D	528295
MB 400-528295/1-A	Method Blank	Total/NA	Water	8270D	528295

Analysis Batch: 528844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202015-3	T12-ROX-041321	Total/NA	Water	8270D LL	528295
400-202015-4	P59-ROX-041321	Total/NA	Water	8270D LL	528295
MB 400-528295/1-A	Method Blank	Total/NA	Water	8270D LL	528295
LCS 400-528295/2-A	Lab Control Sample	Total/NA	Water	8270D LL	528295
LCSD 400-528295/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	528295

Analysis Batch: 528896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202015-3	T12-ROX-041321	Total/NA	Water	8270D	528295
400-202015-4	P59-ROX-041321	Total/NA	Water	8270D	528295
LCS 400-528295/6-A	Lab Control Sample	Total/NA	Water	8270D	528295
LCSD 400-528295/7-A	Lab Control Sample Dup	Total/NA	Water	8270D	528295

Analysis Batch: 528995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-528295/1-A	Method Blank	Total/NA	Water	8270D	528295
LCS 400-528295/2-A	Lab Control Sample	Total/NA	Water	8270D	528295
LCSD 400-528295/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	528295

GC Semi VOA

Analysis Batch: 528406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202015-1	TB-ROX-041321-8011-SS	Total/NA	Water	8011	528531
400-202015-3	T12-ROX-041321	Total/NA	Water	8011	528531
400-202015-4	P59-ROX-041321	Total/NA	Water	8011	528531

GC Semi VOA (Continued)

Analysis Batch: 528406 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-528531/1-A	Method Blank	Total/NA	Water	8011	528531
LCS 400-528531/2-A	Lab Control Sample	Total/NA	Water	8011	528531

Prep Batch: 528531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202015-1	TB-ROX-041321-8011-SS	Total/NA	Water	8011	
400-202015-3	T12-ROX-041321	Total/NA	Water	8011	
400-202015-4	P59-ROX-041321	Total/NA	Water	8011	
MB 400-528531/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-528531/2-A	Lab Control Sample	Total/NA	Water	8011	

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-529305/4
Matrix: Water
Analysis Batch: 529305

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			04/27/21 10:07	1
Acrolein	ND		20	10	ug/L			04/27/21 10:07	1
Acrylonitrile	ND		10	2.8	ug/L			04/27/21 10:07	1
Benzene	ND		1.0	0.38	ug/L			04/27/21 10:07	1
Bromobenzene	ND		1.0	0.54	ug/L			04/27/21 10:07	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/27/21 10:07	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Bromoform	ND		5.0	0.71	ug/L			04/27/21 10:07	1
Bromomethane	ND		1.0	0.98	ug/L			04/27/21 10:07	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/27/21 10:07	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Chloroethane	ND		1.0	0.76	ug/L			04/27/21 10:07	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/27/21 10:07	1
Chloroform	ND		1.0	0.60	ug/L			04/27/21 10:07	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/27/21 10:07	1
Chloromethane	ND		1.0	0.83	ug/L			04/27/21 10:07	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 10:07	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 10:07	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/27/21 10:07	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/27/21 10:07	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/27/21 10:07	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/27/21 10:07	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 10:07	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/27/21 10:07	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/27/21 10:07	1
2-Hexanone	ND		25	3.1	ug/L			04/27/21 10:07	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/27/21 10:07	1
Methylene bromide	ND		5.0	0.59	ug/L			04/27/21 10:07	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/27/21 10:07	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/27/21 10:07	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/27/21 10:07	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/27/21 10:07	1
Naphthalene	ND		1.0	1.0	ug/L			04/27/21 10:07	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/27/21 10:07	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/27/21 10:07	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/27/21 10:07	1
o-Xylene	ND		5.0	0.60	ug/L			04/27/21 10:07	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/27/21 10:07	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-529305/4
Matrix: Water
Analysis Batch: 529305

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			04/27/21 10:07	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/27/21 10:07	1
Styrene	ND		1.0	1.0	ug/L			04/27/21 10:07	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/27/21 10:07	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/27/21 10:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/27/21 10:07	1
Toluene	ND		1.0	0.41	ug/L			04/27/21 10:07	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/27/21 10:07	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/27/21 10:07	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/27/21 10:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/27/21 10:07	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/27/21 10:07	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/27/21 10:07	1
Trichloroethene	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/27/21 10:07	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/27/21 10:07	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/27/21 10:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/27/21 10:07	1
Vinyl acetate	ND		25	2.0	ug/L			04/27/21 10:07	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/27/21 10:07	1
Xylenes, Total	ND		10	1.6	ug/L			04/27/21 10:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*04/27/21 10:07*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*04/27/21 10:07*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/27/21 10:07*	*1*

Lab Sample ID: LCS 400-529305/1002
Matrix: Water
Analysis Batch: 529305

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	200		ug/L		100	43 - 160
Acrolein	500	482		ug/L		96	38 - 160
Acrylonitrile	500	628		ug/L		126	64 - 142
Benzene	50.0	45.4		ug/L		91	70 - 130
Bromobenzene	50.0	44.7		ug/L		89	70 - 132
Bromochloromethane	50.0	51.2		ug/L		102	70 - 130
Bromodichloromethane	50.0	42.6		ug/L		85	67 - 133
Bromoform	50.0	43.7		ug/L		87	57 - 140
Bromomethane	50.0	48.8		ug/L		98	10 - 160
2-Butanone (MEK)	200	193		ug/L		96	61 - 145
Carbon disulfide	50.0	41.6		ug/L		83	61 - 137
Carbon tetrachloride	50.0	50.3		ug/L		101	61 - 137
Chlorobenzene	50.0	44.7		ug/L		89	70 - 130
Dibromochloromethane	50.0	44.5		ug/L		89	67 - 135
Chloroethane	50.0	64.6		ug/L		129	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529305/1002
Matrix: Water
Analysis Batch: 529305

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	50.2		ug/L		100	10 - 160
Chloroform	50.0	45.6		ug/L		91	69 - 130
1-Chlorohexane	50.0	51.2		ug/L		102	69 - 130
Chloromethane	50.0	54.0		ug/L		108	58 - 137
cis-1,2-Dichloroethene	50.0	57.0		ug/L		114	68 - 130
cis-1,3-Dichloropropene	50.0	44.6		ug/L		89	69 - 132
1,2-Dichlorobenzene	50.0	43.3		ug/L		87	67 - 130
1,3-Dichlorobenzene	50.0	44.3		ug/L		89	70 - 130
1,4-Dichlorobenzene	50.0	44.9		ug/L		90	70 - 130
Dichlorodifluoromethane	50.0	61.0		ug/L		122	41 - 146
1,1-Dichloroethane	50.0	58.0		ug/L		116	70 - 130
1,2-Dichloroethane	50.0	52.8		ug/L		106	69 - 130
1,1-Dichloroethene	50.0	42.8		ug/L		86	63 - 134
1,2-Dichloropropane	50.0	54.0		ug/L		108	70 - 130
1,3-Dichloropropane	50.0	41.5		ug/L		83	70 - 130
2,2-Dichloropropane	50.0	47.1		ug/L		94	52 - 135
1,1-Dichloropropene	50.0	47.0		ug/L		94	70 - 130
Ethylbenzene	50.0	40.7		ug/L		81	70 - 130
Ethyl methacrylate	50.0	40.6		ug/L		81	68 - 130
Hexachlorobutadiene	50.0	49.7		ug/L		99	53 - 140
2-Hexanone	200	202		ug/L		101	65 - 137
Isopropylbenzene	50.0	42.0		ug/L		84	70 - 130
Methylene bromide	50.0	42.3		ug/L		85	70 - 130
Methylene Chloride	50.0	42.4		ug/L		85	66 - 135
4-Methyl-2-pentanone (MIBK)	200	224		ug/L		112	69 - 138
Methyl tert-butyl ether	50.0	43.8		ug/L		88	66 - 130
m-Xylene & p-Xylene	50.0	40.4		ug/L		81	70 - 130
Naphthalene	50.0	51.4		ug/L		103	47 - 149
n-Butylbenzene	50.0	38.0		ug/L		76	67 - 130
N-Propylbenzene	50.0	41.3		ug/L		83	70 - 130
o-Chlorotoluene	50.0	36.8		ug/L		74	70 - 130
o-Xylene	50.0	39.4		ug/L		79	70 - 130
p-Chlorotoluene	50.0	38.6		ug/L		77	70 - 130
p-Isopropyltoluene	50.0	44.7		ug/L		89	65 - 130
sec-Butylbenzene	50.0	40.4		ug/L		81	66 - 130
Styrene	50.0	42.0		ug/L		84	70 - 130
tert-Butylbenzene	50.0	38.9		ug/L		78	64 - 139
1,1,1,2-Tetrachloroethane	50.0	46.1		ug/L		92	67 - 131
1,1,2,2-Tetrachloroethane	50.0	37.4		ug/L		75	70 - 131
Tetrachloroethene	50.0	45.3		ug/L		91	65 - 130
Toluene	50.0	41.4		ug/L		83	70 - 130
trans-1,2-Dichloroethene	50.0	46.8		ug/L		94	70 - 130
trans-1,3-Dichloropropene	50.0	41.4		ug/L		83	63 - 130
1,2,3-Trichlorobenzene	50.0	50.2		ug/L		100	60 - 138
1,2,4-Trichlorobenzene	50.0	49.6		ug/L		99	60 - 140
1,1,1-Trichloroethane	50.0	45.7		ug/L		91	68 - 130
1,1,2-Trichloroethane	50.0	39.9		ug/L		80	70 - 130
Trichloroethene	50.0	50.6		ug/L		101	70 - 130
Trichlorofluoromethane	50.0	56.5		ug/L		113	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529305/1002
Matrix: Water
Analysis Batch: 529305

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	39.8		ug/L		80	70 - 130
1,2,4-Trimethylbenzene	50.0	39.7		ug/L		79	70 - 130
1,3,5-Trimethylbenzene	50.0	41.0		ug/L		82	69 - 130
Vinyl acetate	100	97.8		ug/L		98	26 - 160
Vinyl chloride	50.0	69.3	*+	ug/L		139	59 - 136
Xylenes, Total	100	79.8		ug/L		80	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*85*		*78 - 118*
Dibromofluoromethane	*105*		*81 - 121*
Toluene-d8 (Surr)	*93*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-528295/1-A
Matrix: Water
Analysis Batch: 528701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528295

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		04/20/21 10:14	04/22/21 13:46	1
Benzoic acid	ND		30	7.3	ug/L		04/20/21 10:14	04/22/21 13:46	1
Benzyl alcohol	ND		10	2.0	ug/L		04/20/21 10:14	04/22/21 13:46	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/20/21 10:14	04/22/21 13:46	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/20/21 10:14	04/22/21 13:46	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/20/21 10:14	04/22/21 13:46	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		04/20/21 10:14	04/22/21 13:46	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/20/21 10:14	04/22/21 13:46	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/20/21 10:14	04/22/21 13:46	1
4-Chloroaniline	ND		10	3.4	ug/L		04/20/21 10:14	04/22/21 13:46	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		04/20/21 10:14	04/22/21 13:46	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/20/21 10:14	04/22/21 13:46	1
2-Chlorophenol	ND		10	2.2	ug/L		04/20/21 10:14	04/22/21 13:46	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/20/21 10:14	04/22/21 13:46	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/20/21 10:14	04/22/21 13:46	1
Dibenzofuran	ND		10	0.17	ug/L		04/20/21 10:14	04/22/21 13:46	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/20/21 10:14	04/22/21 13:46	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/20/21 10:14	04/22/21 13:46	1
Diethyl phthalate	ND		10	0.24	ug/L		04/20/21 10:14	04/22/21 13:46	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		04/20/21 10:14	04/22/21 13:46	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/20/21 10:14	04/22/21 13:46	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/20/21 10:14	04/22/21 13:46	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/20/21 10:14	04/22/21 13:46	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		04/20/21 10:14	04/22/21 13:46	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/20/21 10:14	04/22/21 13:46	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/20/21 10:14	04/22/21 13:46	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/20/21 10:14	04/22/21 13:46	1
1,4-Dioxane	ND		10	1.0	ug/L		04/20/21 10:14	04/22/21 13:46	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/20/21 10:14	04/22/21 13:46	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-528295/1-A
Matrix: Water
Analysis Batch: 528701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528295

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		10	0.17	ug/L		04/20/21 10:14	04/22/21 13:46	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/20/21 10:14	04/22/21 13:46	1
Hexachloroethane	ND		10	4.2	ug/L		04/20/21 10:14	04/22/21 13:46	1
Indene	ND		10	1.0	ug/L		04/20/21 10:14	04/22/21 13:46	1
Isophorone	ND		10	0.14	ug/L		04/20/21 10:14	04/22/21 13:46	1
2-Methylphenol	ND		10	1.8	ug/L		04/20/21 10:14	04/22/21 13:46	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/20/21 10:14	04/22/21 13:46	1
2-Nitroaniline	ND		10	2.2	ug/L		04/20/21 10:14	04/22/21 13:46	1
3-Nitroaniline	ND		10	1.8	ug/L		04/20/21 10:14	04/22/21 13:46	1
4-Nitroaniline	ND		10	1.5	ug/L		04/20/21 10:14	04/22/21 13:46	1
Nitrobenzene	ND		10	0.13	ug/L		04/20/21 10:14	04/22/21 13:46	1
2-Nitrophenol	ND		10	5.2	ug/L		04/20/21 10:14	04/22/21 13:46	1
4-Nitrophenol	ND		10	2.1	ug/L		04/20/21 10:14	04/22/21 13:46	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		04/20/21 10:14	04/22/21 13:46	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		04/20/21 10:14	04/22/21 13:46	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/20/21 10:14	04/22/21 13:46	1
Pentachlorophenol	ND		20	1.4	ug/L		04/20/21 10:14	04/22/21 13:46	1
Phenol	ND		10	2.6	ug/L		04/20/21 10:14	04/22/21 13:46	1
Pyridine	ND		10	3.2	ug/L		04/20/21 10:14	04/22/21 13:46	1
Quinoline	ND		10	4.5	ug/L		04/20/21 10:14	04/22/21 13:46	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/20/21 10:14	04/22/21 13:46	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/20/21 10:14	04/22/21 13:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*103*		*46 - 124*	*04/20/21 10:14*	*04/22/21 13:46*	*1*
2-Fluorophenol	*37*		*13 - 113*	*04/20/21 10:14*	*04/22/21 13:46*	*1*
Nitrobenzene-d5	*97*		*36 - 126*	*04/20/21 10:14*	*04/22/21 13:46*	*1*
Phenol-d5	*83*		*17 - 127*	*04/20/21 10:14*	*04/22/21 13:46*	*1*
Terphenyl-d14	*146*		*44 - 149*	*04/20/21 10:14*	*04/22/21 13:46*	*1*
2,4,6-Tribromophenol	*85*		*26 - 150*	*04/20/21 10:14*	*04/22/21 13:46*	*1*

Lab Sample ID: MB 400-528295/1-A
Matrix: Water
Analysis Batch: 528995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528295

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzenethiol	ND		10	1.7	ug/L		04/20/21 10:14	04/24/21 17:06	1

Lab Sample ID: LCS 400-528295/2-A
Matrix: Water
Analysis Batch: 528995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528295

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	80.0	65.2		ug/L		82	21 - 120
Benzoic acid	502	293		ug/L		58	10 - 144
Benzyl alcohol	80.0	57.2		ug/L		71	28 - 120
Bis(2-chloroethoxy)methane	80.0	58.5		ug/L		73	47 - 120
Bis(2-chloroethyl)ether	80.0	56.3		ug/L		70	44 - 120
bis (2-chloroisopropyl) ether	80.0	56.7		ug/L		71	33 - 121

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528295/2-A
Matrix: Water
Analysis Batch: 528995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528295

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	80.0	84.0		ug/L		105	52 - 147
4-Bromophenyl phenyl ether	80.0	79.8		ug/L		100	54 - 122
Butyl benzyl phthalate	80.0	82.3		ug/L		103	54 - 133
4-Chloroaniline	80.0	50.7		ug/L		63	26 - 120
4-Chloro-3-methylphenol	80.0	74.9		ug/L		94	48 - 131
2-Chloronaphthalene	80.0	67.1		ug/L		84	52 - 121
2-Chlorophenol	80.0	46.9		ug/L		59	40 - 120
4-Chlorophenyl phenyl ether	80.0	74.4		ug/L		93	56 - 125
Dibenz[a,h]acridine	120	99.9		ug/L		83	31 - 150
Dibenzofuran	80.0	70.3		ug/L		88	56 - 122
3,3'-Dichlorobenzidine	160	155		ug/L		97	36 - 132
2,4-Dichlorophenol	80.0	62.5		ug/L		78	49 - 120
Diethyl phthalate	80.0	74.9		ug/L		94	50 - 137
2,4-Dimethylphenol	80.0	66.7		ug/L		83	48 - 120
Dimethyl phthalate	80.0	74.5		ug/L		93	57 - 124
Di-n-butyl phthalate	80.0	82.9		ug/L		104	58 - 126
4,6-Dinitro-ortho-cresol	160	135		ug/L		84	23 - 148
2,4-Dinitrophenol	160	165		ug/L		103	10 - 150
2,4-Dinitrotoluene	80.0	77.7		ug/L		97	54 - 142
2,6-Dinitrotoluene	80.0	75.9		ug/L		95	55 - 130
Di-n-octyl phthalate	80.0	83.7		ug/L		105	57 - 138
1,4-Dioxane	80.0	45.1		ug/L		56	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	80.0	65.5		ug/L		82	45 - 124
Hexachlorobenzene	80.0	83.0		ug/L		104	52 - 129
Hexachlorocyclopentadiene	80.0	44.6		ug/L		56	10 - 134
Hexachloroethane	80.0	65.0		ug/L		81	20 - 120
Indene	120	104		ug/L		87	49 - 120
Isophorone	80.0	61.2		ug/L		76	48 - 120
2-Methylphenol	80.0	76.9		ug/L		96	46 - 124
3 & 4 Methylphenol	80.0	65.0		ug/L		81	45 - 120
2-Nitroaniline	80.0	71.1		ug/L		89	51 - 145
3-Nitroaniline	80.0	58.4		ug/L		73	37 - 127
4-Nitroaniline	80.0	54.0		ug/L		68	36 - 137
Nitrobenzene	80.0	57.7		ug/L		72	45 - 120
2-Nitrophenol	80.0	62.4		ug/L		78	40 - 124
4-Nitrophenol	160	113		ug/L		70	23 - 146
N-Nitrosodimethylamine	80.0	65.6		ug/L		82	29 - 137
N-Nitrosodi-n-propylamine	80.0	69.9		ug/L		87	45 - 120
N-Nitrosodiphenylamine	79.4	72.8		ug/L		92	54 - 120
Pentachlorophenol	160	119		ug/L		74	31 - 130
Phenol	80.0	47.9		ug/L		60	11 - 120
Pyridine	160	90.1		ug/L		56	16 - 120
Quinoline	120	108		ug/L		90	49 - 130
2,4,5-Trichlorophenol	80.0	70.4		ug/L		88	51 - 136
2,4,6-Trichlorophenol	80.0	64.9		ug/L		81	50 - 127

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528295/2-A
Matrix: Water
Analysis Batch: 528995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528295

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	90		46 - 124
2-Fluorophenol	30		13 - 113
Nitrobenzene-d5	83		36 - 126
Phenol-d5	70		17 - 127
Terphenyl-d14	108		44 - 149
2,4,6-Tribromophenol	101		26 - 150

Lab Sample ID: LCS 400-528295/6-A
Matrix: Water
Analysis Batch: 528896

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528295

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	1.84	J *-	ug/L		2	10 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	53		46 - 124
2-Fluorophenol	21		13 - 113
Nitrobenzene-d5	53		36 - 126
Phenol-d5	46		17 - 127
Terphenyl-d14	97		44 - 149
2,4,6-Tribromophenol	30		26 - 150

Lab Sample ID: LCSD 400-528295/3-A
Matrix: Water
Analysis Batch: 528995

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528295

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	80.0	66.5		ug/L		83	21 - 120	2	30
Benzoic acid	502	59.3	*1	ug/L		12	10 - 144	133	30
Benzyl alcohol	80.0	58.8		ug/L		73	28 - 120	3	30
Bis(2-chloroethoxy)methane	80.0	58.4		ug/L		73	47 - 120	0	30
Bis(2-chloroethyl)ether	80.0	56.1		ug/L		70	44 - 120	0	30
bis (2-chloroisopropyl) ether	80.0	57.1		ug/L		71	33 - 121	1	30
Bis(2-ethylhexyl) phthalate	80.0	84.4		ug/L		106	52 - 147	1	30
4-Bromophenyl phenyl ether	80.0	82.0		ug/L		103	54 - 122	3	30
Butyl benzyl phthalate	80.0	83.9		ug/L		105	54 - 133	2	30
4-Chloroaniline	80.0	53.3		ug/L		67	26 - 120	5	30
4-Chloro-3-methylphenol	80.0	70.8		ug/L		89	48 - 131	6	30
2-Chloronaphthalene	80.0	68.2		ug/L		85	52 - 121	2	30
2-Chlorophenol	80.0	50.7		ug/L		63	40 - 120	8	30
4-Chlorophenyl phenyl ether	80.0	73.1		ug/L		91	56 - 125	2	30
Dibenz[a,h]acridine	120	98.8		ug/L		83	31 - 150	1	30
Dibenzofuran	80.0	70.0		ug/L		87	56 - 122	1	30
3,3'-Dichlorobenzidine	160	159		ug/L		100	36 - 132	3	30
2,4-Dichlorophenol	80.0	66.5		ug/L		83	49 - 120	6	30
Diethyl phthalate	80.0	75.0		ug/L		94	50 - 137	0	30
2,4-Dimethylphenol	80.0	67.3		ug/L		84	48 - 120	1	30
Dimethyl phthalate	80.0	74.4		ug/L		93	57 - 124	0	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-528295/3-A
Matrix: Water
Analysis Batch: 528995

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528295

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-butyl phthalate	80.0	82.5		ug/L		103	58 - 126	0	30
4,6-Dinitro-ortho-cresol	160	102		ug/L		64	23 - 148	28	30
2,4-Dinitrophenol	160	96.4	*1	ug/L		60	10 - 150	53	30
2,4-Dinitrotoluene	80.0	76.7		ug/L		96	54 - 142	1	30
2,6-Dinitrotoluene	80.0	76.3		ug/L		95	55 - 130	1	30
Di-n-octyl phthalate	80.0	83.7		ug/L		105	57 - 138	0	30
1,4-Dioxane	80.0	44.8		ug/L		56	31 - 120	1	30
1,2-Diphenylhydrazine (as Azobenzene)	80.0	67.9		ug/L		85	45 - 124	3	30
Hexachlorobenzene	80.0	83.4		ug/L		104	52 - 129	1	30
Hexachlorocyclopentadiene	80.0	45.3		ug/L		57	10 - 134	2	30
Hexachloroethane	80.0	66.5		ug/L		83	20 - 120	2	30
Indene	120	106		ug/L		89	49 - 120	2	30
Isophorone	80.0	60.9		ug/L		76	48 - 120	0	30
2-Methylphenol	80.0	75.0		ug/L		94	46 - 124	2	30
3 & 4 Methylphenol	80.0	66.4		ug/L		83	45 - 120	2	30
2-Nitroaniline	80.0	68.2		ug/L		85	51 - 145	4	30
3-Nitroaniline	80.0	58.8		ug/L		74	37 - 127	1	30
4-Nitroaniline	80.0	42.6		ug/L		53	36 - 137	24	30
Nitrobenzene	80.0	58.4		ug/L		73	45 - 120	1	30
2-Nitrophenol	80.0	68.7		ug/L		86	40 - 124	10	30
4-Nitrophenol	160	111		ug/L		69	23 - 146	2	30
N-Nitrosodimethylamine	80.0	65.2		ug/L		82	29 - 137	1	30
N-Nitrosodi-n-propylamine	80.0	69.7		ug/L		87	45 - 120	0	30
N-Nitrosodiphenylamine	79.4	74.6		ug/L		94	54 - 120	3	30
Pentachlorophenol	160	105		ug/L		66	31 - 130	13	30
Phenol	80.0	50.8		ug/L		63	11 - 120	6	30
Pyridine	160	88.8		ug/L		55	16 - 120	1	30
Quinoline	120	107		ug/L		89	49 - 130	1	30
2,4,5-Trichlorophenol	80.0	73.8		ug/L		92	51 - 136	5	30
2,4,6-Trichlorophenol	80.0	70.2		ug/L		88	50 - 127	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*46 - 124*
2-Fluorophenol	*31*		*13 - 113*
Nitrobenzene-d5	*81*		*36 - 126*
Phenol-d5	*71*		*17 - 127*
Terphenyl-d14	*105*		*44 - 149*
2,4,6-Tribromophenol	*101*		*26 - 150*

Lab Sample ID: LCSD 400-528295/7-A
Matrix: Water
Analysis Batch: 528896

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528295

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	2.93	J *- *1	ug/L		2	10 - 120	46	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-528295/7-A
Matrix: Water
Analysis Batch: 528896

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528295

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	54		46 - 124
2-Fluorophenol	31		13 - 113
Nitrobenzene-d5	54		36 - 126
Phenol-d5	49		17 - 127
Terphenyl-d14	100		44 - 149
2,4,6-Tribromophenol	51		26 - 150

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-528295/1-A
Matrix: Water
Analysis Batch: 528844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528295

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		04/20/21 10:14	04/23/21 11:08	1
Acenaphthylene	ND		0.20	0.045	ug/L		04/20/21 10:14	04/23/21 11:08	1
Anthracene	ND		0.20	0.032	ug/L		04/20/21 10:14	04/23/21 11:08	1
Benzo[a]anthracene	0.104	J	0.20	0.046	ug/L		04/20/21 10:14	04/23/21 11:08	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/20/21 10:14	04/23/21 11:08	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/20/21 10:14	04/23/21 11:08	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/20/21 10:14	04/23/21 11:08	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/20/21 10:14	04/23/21 11:08	1
Chrysene	ND		0.20	0.074	ug/L		04/20/21 10:14	04/23/21 11:08	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		04/20/21 10:14	04/23/21 11:08	1
Fluoranthene	ND		0.20	0.068	ug/L		04/20/21 10:14	04/23/21 11:08	1
Fluorene	ND		0.20	0.11	ug/L		04/20/21 10:14	04/23/21 11:08	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/20/21 10:14	04/23/21 11:08	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		04/20/21 10:14	04/23/21 11:08	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		04/20/21 10:14	04/23/21 11:08	1
Phenanthrene	ND		0.20	0.036	ug/L		04/20/21 10:14	04/23/21 11:08	1
Pyrene	ND		0.20	0.040	ug/L		04/20/21 10:14	04/23/21 11:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		15 - 122	04/20/21 10:14	04/23/21 11:08	1
Nitrobenzene-d5	30		19 - 130	04/20/21 10:14	04/23/21 11:08	1
Terphenyl-d14	97		33 - 138	04/20/21 10:14	04/23/21 11:08	1

Lab Sample ID: LCS 400-528295/2-A
Matrix: Water
Analysis Batch: 528844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528295

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	80.0	70.4		ug/L		88	41 - 120
Acenaphthylene	80.0	72.5		ug/L		91	44 - 120
Anthracene	80.0	71.7		ug/L		90	49 - 120
Benzo[a]anthracene	80.0	67.2		ug/L		84	61 - 135
Benzo[a]pyrene	80.0	73.1		ug/L		91	52 - 120
Benzo[b]fluoranthene	80.0	64.9		ug/L		81	53 - 134

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-528295/2-A
Matrix: Water
Analysis Batch: 528844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528295

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[g,h,i]perylene	80.0	71.1		ug/L		89	47 - 133
Benzo[k]fluoranthene	80.0	63.9		ug/L		80	57 - 134
Chrysene	80.0	64.0		ug/L		80	55 - 122
Dibenz(a,h)anthracene	80.0	65.5		ug/L		82	48 - 146
Fluoranthene	80.0	74.0		ug/L		92	54 - 128
Fluorene	80.0	71.6		ug/L		89	45 - 125
Indeno[1,2,3-cd]pyrene	80.0	67.9		ug/L		85	43 - 142
1-Methylnaphthalene	80.0	55.6		ug/L		69	41 - 120
2-Methylnaphthalene	80.0	59.3		ug/L		74	32 - 124
Phenanthrene	80.0	67.5		ug/L		84	48 - 120
Pyrene	80.0	66.8		ug/L		83	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*15 - 122*
Nitrobenzene-d5	*24*		*19 - 130*
Terphenyl-d14	*93*		*33 - 138*

Lab Sample ID: LCSD 400-528295/3-A
Matrix: Water
Analysis Batch: 528844

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528295

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	80.0	71.1		ug/L		89	41 - 120	1	56
Acenaphthylene	80.0	73.7		ug/L		92	44 - 120	2	56
Anthracene	80.0	74.4		ug/L		93	49 - 120	4	51
Benzo[a]anthracene	80.0	68.6		ug/L		86	61 - 135	2	49
Benzo[a]pyrene	80.0	73.8		ug/L		92	52 - 120	1	50
Benzo[b]fluoranthene	80.0	66.6		ug/L		83	53 - 134	3	54
Benzo[g,h,i]perylene	80.0	73.6		ug/L		92	47 - 133	3	50
Benzo[k]fluoranthene	80.0	63.5		ug/L		79	57 - 134	1	52
Chrysene	80.0	64.7		ug/L		81	55 - 122	1	50
Dibenz(a,h)anthracene	80.0	69.4		ug/L		87	48 - 146	6	50
Fluoranthene	80.0	78.7		ug/L		98	54 - 128	6	52
Fluorene	80.0	74.3		ug/L		93	45 - 125	4	56
Indeno[1,2,3-cd]pyrene	80.0	70.6		ug/L		88	43 - 142	4	51
1-Methylnaphthalene	80.0	54.9		ug/L		69	41 - 120	1	55
2-Methylnaphthalene	80.0	59.3		ug/L		74	32 - 124	0	57
Phenanthrene	80.0	69.0		ug/L		86	48 - 120	2	56
Pyrene	80.0	65.7		ug/L		82	48 - 132	2	52

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*88*		*15 - 122*
Nitrobenzene-d5	*24*		*19 - 130*
Terphenyl-d14	*88*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-528531/1-A
Matrix: Water
Analysis Batch: 528406

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528531

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		04/21/21 12:16	04/21/21 16:02	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/21/21 12:16	04/21/21 16:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*51 - 149*	*04/21/21 12:16*	*04/21/21 16:02*	*1*

Lab Sample ID: LCS 400-528531/2-A
Matrix: Water
Analysis Batch: 528406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528531

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.0922		ug/L		92	60 - 140
1,2-Dibromoethane	0.101	0.108		ug/L		107	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*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 (_____)

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 – 3.2.2F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES
DATE: 4/13/21
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 60648474 – 3.2.2F
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): N 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

split report

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDO DISK

REQUESTED ANALYSIS
60648474 – 3.2.2F

400-202015 COC

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270LL
	TB-ROX-041321-8011-SS	4/13/21	0000	Water	2					2		X		
	TB-ROX-041321-8260-SS		0000		2					2	X			
	T12-ROX-041321		1205		6			2		8	X	X	X	X
	P59-ROX-041321		1300		6			2		8	X	X	X	X

FIELD NOTES:
TEMPERATURE ON RECEIPT C°: 1.0, 1.1, 0.0°C
IR
Container PID Readings or Laboratory Notes

split sample/report

Relinquished by: (Signature) N D'Angelo 4/13/21
Received by: (Signature) Fedex: 9509 0064 1445 | 9509 0064 1456 | 9509 0064 1434
Date: 4/13/21 Time: 1600

Relinquished by: (Signature)
Received by: (Signature)
Date: Time:

Relinquished by: (Signature)
Received by: (Signature)
Date: 4-14-21 Time: 0945

CUSTODY SEALS: 1450629, 1450628, 1450627, 1450626, 1450631, 1450630

Version 2Apr21

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4/30/2021

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-202015-1

Login Number: 202015
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	1.0, 1.9, 0.0°C IR7
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: 400-202015-1
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
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
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	P330-21-00056	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 – 2nd Quarter 2021 Data Review

Laboratory SDG: 400-202080-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 6/8/2021

Guidance: USEPA National Functional Guidelines for Organic Superfund Methods Data Review 2020

Sample Identification	Sample Identification
TB-ROX-041421-8260-A	TB-ROX-041421-8011-A
MW5-ROX-041421	MW6B-ROX-041421
MW6C-ROX-041421	MW6D-ROX-041421
MW6A-ROX-041421	TB-ROX-041421-8011-B
TB-ROX-041421-8260-B	P58-ROX-041421

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 SVOCs were re-extracted outside extraction time criteria in sample MW6D-ROX-041421. The vinyl chloride LCS recovery, and benzenethiol LCS/LCSD RPDs, were outside evaluation criteria. Several SVOC surrogates were outside criteria in sample MW6D-ROX-041421 and the SVOC method blank. The compound 2-Chloroethyl vinyl ether and also 1,4-dioxane MS/MSD recoveries were outside evaluation criteria in sample MW6C-ROX-041421. Sample P58-ROX-041421 was diluted to bring VOCs and phenol into calibration range of the instrument. The continuing calibration verifications for several SVOCs 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?

No, SVOCs were re-extracted 7 days outside analysis extraction time criteria (7 days) in sample MW6D-ROX-041421 due to initial failing surrogate recoveries. 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
MW6D-ROX-041421 – RERA	SVOCs	All non-detects	**UJ**

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 400-529536/1002	VOCs	Vinyl chloride	**139**	NA	59-136
LCS/LCSD 400-528560/4-A/5-A	SVOCs	Benzenethiol	24/12	**71**	10-120/30
LCS/LCSD 400-529480/3-A/4-A	SVOCs	Benzenethiol	34/48	**34**	10-120/30

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.

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW6D-ROX-041421	SVOCs	2-Fluorophenol	**0.4**	13-113
MW6D-ROX-041421	SVOCs	Phenol-d_5	**4**	17-127
MW6D-ROX-041421	SVOCs	2,4,6-Tribromophenol	**4**	26-150
MB 400-529480/1-A	SVOCs	2-Fluorophenol	**10**	13-113

SVOCs in sample MW6D-ROX-041421 were reported from Run #2; SVOCs were qualified in Section 3.0 of this data review due to holding time criteria. No additional qualification of SVOCs were required. Method blanks are quality control samples and do not require qualification.

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

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

Yes, sample MW6C-ROX-041421 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
MW6C-ROX-041421	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-150/50
MW6C-ROX-041421	SVOCs	1,4-Dioxane	**39/41**	5	50-150/40

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
MW6C-ROX-041421	VOCs	2-Chloroethyl vinyl ether	**UJ**
MW6C-ROX-041421	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; analytes were detected in samples that were diluted.

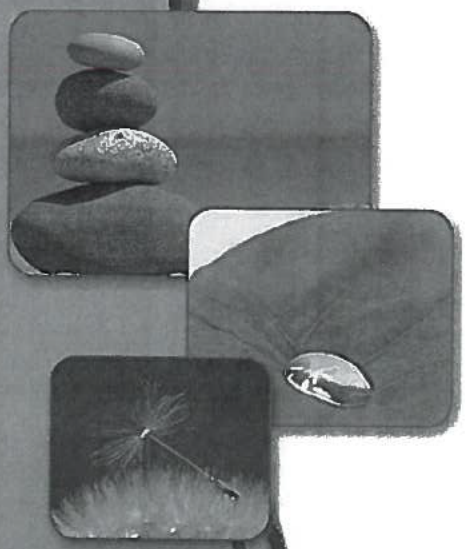
12.0 Additional Qualifications

Were additional qualifications applied?

Yes, the continuing calibration verifications for several SVOCs were outside acceptance criteria, biased low, and are qualified as summarized in the following table. SVOCs in sample MW6D-ROX-041421 were reported from Run #2; SVOCs were qualified in Section 3.0 of this data review due to holding time criteria. No additional qualification of SVOCs in sample MW6D-ROX-041421 were required.

Sample ID	Parameter	Analyte	Qualification
MW6B-ROX-041421	SVOCs	Aniline	**UJ**
MW6B-ROX-041421	SVOCs	Benzyl alcohol	**UJ**
MW6B-ROX-041421	SVOCs	1,4-Dioxane	**UJ**
MW6B-ROX-041421	SVOCs	Hexachlorocyclopentadiene	**UJ**
MW6B-ROX-041421	SVOCs	Phenol	**UJ**
MW6C-ROX-041421	SVOCs	Aniline	**UJ**

Sample ID	Parameter	Analyte	Qualification
MW6C-ROX-041421	SVOCs	Benzyl alcohol	**UJ**
MW6C-ROX-041421	SVOCs	Hexachlorocyclopentadiene	**UJ**
MW6C-ROX-041421	SVOCs	Phenol	**UJ**
MW6A-ROX-041421	SVOCs	Aniline	**UJ**
MW6A-ROX-041421	SVOCs	Benzyl alcohol	**UJ**
MW6A-ROX-041421	SVOCs	1,4-Dioxane	**UJ**
MW6A-ROX-041421	SVOCs	Hexachlorocyclopentadiene	**UJ**
MW6A-ROX-041421	SVOCs	Phenol	**UJ**
P58-ROX-041421	SVOCs	Aniline	**UJ**
P58-ROX-041421	SVOCs	Benzyl alcohol	**UJ**
P58-ROX-041421	SVOCs	1,4-Dioxane	**UJ**
P58-ROX-041421	SVOCs	Hexachlorocyclopentadiene	**UJ**



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ANALYTICAL REPORT

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

Laboratory Job ID: 400-202080-1
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:
4/30/2021 3:37:23 PM

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

Reviewed 6/8/2021 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: 400-202080-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-202080-1

Comments
No additional comments.

Receipt
The samples were received on 4/15/2021 10:05 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.0° C, 0.0° C and 1.4° C.

GC/MS VOA
Method 8260B: The initial calibration verification (ICV) analyzed in batch 400-504636 was outside method criteria for the following analyte(s): Dichlorodifluoromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: P58-ROX-041421 (400-202080-10). Elevated reporting limits (RLs) are provided.

Method 8260B: The continuing calibration verification (CCV) associated with batch 400-529536 recovered above the upper control limit for Vinyl chloride. 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 400-529536 recovered outside control limits for the following analytes: Vinyl chloride. 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-529536 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 400-529536 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-041421-8260-A (400-202080-1), MW5-ROX-041421 (400-202080-3), MW6B-ROX-041421 (400-202080-4), MW6C-ROX-041421 (400-202080-5), MW6D-ROX-041421 (400-202080-6), MW6A-ROX-041421 (400-202080-7), TB-ROX-041421-8260-B (400-202080-9) and P58-ROX-041421 (400-202080-10). The requested target analyte list include 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

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 400-528754 recovered above the upper control limit for Hexachlorobenzene. 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 400-528754 recovered above the upper control limit for Quinoline and Dibenz[a,h]acridine. 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 400-528754 recovered outside acceptance criteria, low biased, for Phenol, Hexachlorocyclopentadiene, 1,4-Dioxane, Aniline and 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: The continuing calibration verification (CCV) associated with batch 400-528754 recovered outside acceptance criteria, low biased, for Hexachlorocyclopentadiene, 1,4-Dioxane, Aniline and Benzyl alcohol. A reporting limit (RL) standard was analyzed, and the

Job ID: 400-202080-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-528560 and analytical batch 400-528896 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-528560 and analytical batch 400-528754 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 initial calibration verification (ICV) analyzed in batch 400-522411 was outside method criteria for the following analyte(s): Indene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-529667 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: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-529480 and analytical batch 400-529667 recovered outside control limits for the following analytes: Benzenethiol.

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: (MB 400-529480/1-A). These results have been reported and qualified.

Method 8270D: Surrogate recovery for the following sample was outside control limits: MW6D-ROX-041421 (400-202080-6). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. 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 400-528733 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: 400-202080-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-202080-1	TB-ROX-041421-8260-A	Water	04/14/21 00:00	04/15/21 10:05	
400-202080-2	TB-ROX-041421-8011-A	Water	04/14/21 00:00	04/15/21 10:05	
400-202080-3	MW5-ROX-041421	Water	04/14/21 08:45	04/15/21 10:05	
400-202080-4	MW6B-ROX-041421	Water	04/14/21 09:30	04/15/21 10:05	
400-202080-5	MW6C-ROX-041421	Water	04/14/21 10:10	04/15/21 10:05	
400-202080-6	MW6D-ROX-041421	Water	04/14/21 12:20	04/15/21 10:05	
400-202080-7	MW6A-ROX-041421	Water	04/14/21 13:20	04/15/21 10:05	
400-202080-8	TB-ROX-041421-8011-B	Water	04/14/21 00:00	04/15/21 10:05	
400-202080-9	TB-ROX-041421-8260-B	Water	04/14/21 00:00	04/15/21 10:05	
400-202080-10	P58-ROX-041421	Water	04/14/21 09:25	04/15/21 10:05	

Detection Summary

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

Job ID: 400-202080-1

Client Sample ID: TB-ROX-041421-8260-A — Lab Sample ID: 400-202080-1

No Detections.

Client Sample ID: TB-ROX-041421-8011-A — Lab Sample ID: 400-202080-2

No Detections.

Client Sample ID: MW5-ROX-041421 — Lab Sample ID: 400-202080-3

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	1.3		1.0	0.63	ug/L	1		8260B	Total/NA
Toluene	0.65	J	1.0	0.41	ug/L	1		8260B	Total/NA
4-Nitroaniline	3.9	J	9.7	1.5	ug/L	1		8270D	Total/NA

Client Sample ID: MW6B-ROX-041421 — Lab Sample ID: 400-202080-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.42	J	1.0	0.41	ug/L	1		8260B	Total/NA

Client Sample ID: MW6C-ROX-041421 — Lab Sample ID: 400-202080-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.039	J	0.20	0.039	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW6D-ROX-041421 — Lab Sample ID: 400-202080-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibenz(a,h)anthracene	0.074	J	0.20	0.049	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.067	J	0.20	0.066	ug/L	1		8270D LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.072	J	0.20	0.042	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.057	J	0.20	0.035	ug/L	1		8270D LL	Total/NA
Pyrene	0.054	J	0.20	0.039	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW6A-ROX-041421 — Lab Sample ID: 400-202080-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.031	J	0.19	0.031	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.080	J	0.19	0.035	ug/L	1		8270D LL	Total/NA
Pyrene	0.065	J	0.19	0.039	ug/L	1		8270D LL	Total/NA

Client Sample ID: TB-ROX-041421-8011-B — Lab Sample ID: 400-202080-8

No Detections.

Client Sample ID: TB-ROX-041421-8260-B — Lab Sample ID: 400-202080-9

No Detections.

Client Sample ID: P58-ROX-041421 — Lab Sample ID: 400-202080-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	110000		500	190	ug/L	500		8260B	Total/NA
Acenaphthene	0.94		0.21	0.033	ug/L	1		8270D LL	Total/NA
Acenaphthylene	0.32		0.21	0.047	ug/L	1		8270D LL	Total/NA
Benzo[a]anthracene	0.33		0.21	0.048	ug/L	1		8270D LL	Total/NA
Benzo[a]pyrene	0.30		0.21	0.044	ug/L	1		8270D LL	Total/NA
Benzo[b]fluoranthene	0.17	J	0.21	0.036	ug/L	1		8270D LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P58-ROX-041421 (Continued)

Lab Sample ID: 400-202080-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chrysene	0.54		0.21	0.077	ug/L	1		8270D LL	Total/NA
Dibenz(a,h)anthracene	0.089	J	0.21	0.052	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.30		0.21	0.071	ug/L	1		8270D LL	Total/NA
Fluorene	2.2		0.21	0.11	ug/L	1		8270D LL	Total/NA
Indeno[1,2,3-cd]pyrene	0.065	J	0.21	0.045	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	49		0.21	0.077	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	15		0.21	0.063	ug/L	1		8270D LL	Total/NA
Phenanthrene	1.7		0.21	0.038	ug/L	1		8270D LL	Total/NA
Pyrene	1.2		0.21	0.042	ug/L	1		8270D LL	Total/NA
Dibenzofuran	2.4	J	10	0.18	ug/L	1		8270D	Total/NA
Phenol - DL	700		52	14	ug/L	5		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-041421-8260-A
Date Collected: 04/14/21 00:00
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-1
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			04/28/21 17:59	1
Acrolein	ND		20	10	ug/L			04/28/21 17:59	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/21 17:59	1
Benzene	ND		1.0	0.38	ug/L			04/28/21 17:59	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/21 17:59	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/21 17:59	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/21 17:59	1
Bromoform	ND		5.0	0.71	ug/L			04/28/21 17:59	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/21 17:59	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/21 17:59	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/21 17:59	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/28/21 17:59	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/28/21 17:59	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/28/21 17:59	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/21 17:59	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/21 17:59	1
Chloroform	ND		1.0	0.60	ug/L			04/28/21 17:59	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/28/21 17:59	1
Chloromethane	ND		1.0	0.83	ug/L			04/28/21 17:59	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 17:59	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 17:59	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/21 17:59	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/21 17:59	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/21 17:59	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/21 17:59	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 17:59	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 17:59	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 17:59	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 17:59	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 17:59	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 17:59	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/28/21 17:59	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/21 17:59	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/21 17:59	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/21 17:59	1
2-Hexanone	ND		25	3.1	ug/L			04/28/21 17:59	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/21 17:59	1
Methylene bromide	ND		5.0	0.59	ug/L			04/28/21 17:59	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/21 17:59	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/21 17:59	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/28/21 17:59	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/28/21 17:59	1
Naphthalene	ND		1.0	1.0	ug/L			04/28/21 17:59	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/21 17:59	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/21 17:59	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/21 17:59	1
o-Xylene	ND		5.0	0.60	ug/L			04/28/21 17:59	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/21 17:59	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/21 17:59	1

Client Sample ID: TB-ROX-041421-8260-A
Date Collected: 04/14/21 00:00
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-1
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			04/28/21 17:59	1
Styrene	ND		1.0	1.0	ug/L			04/28/21 17:59	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/21 17:59	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/28/21 17:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/21 17:59	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/28/21 17:59	1
Toluene	ND		1.0	0.41	ug/L			04/28/21 17:59	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 17:59	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 17:59	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/28/21 17:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/21 17:59	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/28/21 17:59	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/28/21 17:59	1
Trichloroethene	ND		1.0	0.50	ug/L			04/28/21 17:59	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/28/21 17:59	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/21 17:59	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/21 17:59	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/21 17:59	1
Vinyl acetate	ND		25	2.0	ug/L			04/28/21 17:59	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/28/21 17:59	1
Xylenes, Total	ND		10	1.6	ug/L			04/28/21 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*04/28/21 17:59*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*04/28/21 17:59*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*04/28/21 17:59*	*1*

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

Job ID: 400-202080-1

Client Sample ID: TB-ROX-041421-8011-A
Date Collected: 04/14/21 00:00
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-2
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		0.029	0.0052	ug/L		04/22/21 11:01	04/22/21 16:00	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		04/22/21 11:01	04/22/21 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*	*p*	*51 - 149*	*04/22/21 11:01*	*04/22/21 16:00*	*1*

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

Job ID: 400-202080-1

Client Sample ID: MW5-ROX-041421
Date Collected: 04/14/21 08:45
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-3
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			04/28/21 22:07	1
Acrolein	ND		20	10	ug/L			04/28/21 22:07	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/21 22:07	1
Benzene	ND		1.0	0.38	ug/L			04/28/21 22:07	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/21 22:07	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/21 22:07	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/21 22:07	1
Bromoform	ND		5.0	0.71	ug/L			04/28/21 22:07	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/21 22:07	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/21 22:07	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/21 22:07	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/28/21 22:07	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/28/21 22:07	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/28/21 22:07	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/21 22:07	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/21 22:07	1
Chloroform	ND		1.0	0.60	ug/L			04/28/21 22:07	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/28/21 22:07	1
Chloromethane	ND		1.0	0.83	ug/L			04/28/21 22:07	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 22:07	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 22:07	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/21 22:07	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/21 22:07	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/21 22:07	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/21 22:07	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 22:07	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 22:07	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 22:07	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 22:07	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 22:07	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 22:07	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/28/21 22:07	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/21 22:07	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/21 22:07	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/21 22:07	1
2-Hexanone	ND		25	3.1	ug/L			04/28/21 22:07	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/21 22:07	1
Methylene bromide	ND		5.0	0.59	ug/L			04/28/21 22:07	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/21 22:07	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/21 22:07	1
Methyl tert-butyl ether	**2.0**		1.0	0.74	ug/L			04/28/21 22:07	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/28/21 22:07	1
Naphthalene	ND		1.0	1.0	ug/L			04/28/21 22:07	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/21 22:07	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/21 22:07	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/21 22:07	1
o-Xylene	ND		5.0	0.60	ug/L			04/28/21 22:07	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/21 22:07	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/21 22:07	1

Client Sample ID: MW5-ROX-041421
Date Collected: 04/14/21 08:45
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-3
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			04/28/21 22:07	1
Styrene	ND		1.0	1.0	ug/L			04/28/21 22:07	1
tert-Butylbenzene	1.3		1.0	0.63	ug/L			04/28/21 22:07	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/28/21 22:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/21 22:07	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/28/21 22:07	1
Toluene	0.65	J	1.0	0.41	ug/L			04/28/21 22:07	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 22:07	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 22:07	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/28/21 22:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/21 22:07	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/28/21 22:07	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/28/21 22:07	1
Trichloroethene	ND		1.0	0.50	ug/L			04/28/21 22:07	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/28/21 22:07	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/21 22:07	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/21 22:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/21 22:07	1
Vinyl acetate	ND		25	2.0	ug/L			04/28/21 22:07	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/28/21 22:07	1
Xylenes, Total	ND		10	1.6	ug/L			04/28/21 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*78 - 118*		*04/28/21 22:07*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*04/28/21 22:07*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/28/21 22:07*	*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		04/21/21 14:03	04/23/21 14:45	1
Acenaphthylene	ND		0.19	0.044	ug/L		04/21/21 14:03	04/23/21 14:45	1
Anthracene	ND		0.19	0.031	ug/L		04/21/21 14:03	04/23/21 14:45	1
Benzo[a]anthracene	ND		0.19	0.045	ug/L		04/21/21 14:03	04/23/21 14:45	1
Benzo[a]pyrene	ND		0.19	0.041	ug/L		04/21/21 14:03	04/23/21 14:45	1
Benzo[b]fluoranthene	ND		0.19	0.033	ug/L		04/21/21 14:03	04/23/21 14:45	1
Benzo[g,h,i]perylene	ND		0.19	0.13	ug/L		04/21/21 14:03	04/23/21 14:45	1
Benzo[k]fluoranthene	ND		0.19	0.097	ug/L		04/21/21 14:03	04/23/21 14:45	1
Chrysene	ND		0.19	0.072	ug/L		04/21/21 14:03	04/23/21 14:45	1
Dibenz(a,h)anthracene	ND		0.19	0.049	ug/L		04/21/21 14:03	04/23/21 14:45	1
Fluoranthene	ND		0.19	0.066	ug/L		04/21/21 14:03	04/23/21 14:45	1
Fluorene	ND		0.19	0.11	ug/L		04/21/21 14:03	04/23/21 14:45	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.042	ug/L		04/21/21 14:03	04/23/21 14:45	1
1-Methylnaphthalene	ND		0.19	0.072	ug/L		04/21/21 14:03	04/23/21 14:45	1
2-Methylnaphthalene	ND		0.19	0.058	ug/L		04/21/21 14:03	04/23/21 14:45	1
Phenanthrene	ND		0.19	0.035	ug/L		04/21/21 14:03	04/23/21 14:45	1
Pyrene	ND		0.19	0.039	ug/L		04/21/21 14:03	04/23/21 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*15 - 122*	*04/21/21 14:03*	*04/23/21 14:45*	*1*
Nitrobenzene-d5	*32*		*19 - 130*	*04/21/21 14:03*	*04/23/21 14:45*	*1*

Client Sample ID: MW5-ROX-041421
Date Collected: 04/14/21 08:45
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	*89*		*33 - 138*	*04/21/21 14:03*	*04/23/21 14:45*	*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		04/21/21 14:03	04/23/21 15:58	1
Benzenethiol	ND	*1	9.7	1.7	ug/L		04/21/21 14:03	04/23/21 15:58	1
Benzoic acid	ND		29	7.1	ug/L		04/21/21 14:03	04/23/21 15:58	1
Benzyl alcohol	ND		9.7	1.9	ug/L		04/21/21 14:03	04/23/21 15:58	1
Bis(2-chloroethoxy)methane	ND		9.7	0.16	ug/L		04/21/21 14:03	04/23/21 15:58	1
Bis(2-chloroethyl)ether	ND		9.7	2.6	ug/L		04/21/21 14:03	04/23/21 15:58	1
bis (2-chloroisopropyl) ether	ND		9.7	0.16	ug/L		04/21/21 14:03	04/23/21 15:58	1
Bis(2-ethylhexyl) phthalate	ND		9.7	4.9	ug/L		04/21/21 14:03	04/23/21 15:58	1
4-Bromophenyl phenyl ether	ND		9.7	0.19	ug/L		04/21/21 14:03	04/23/21 15:58	1
Butyl benzyl phthalate	ND		9.7	0.18	ug/L		04/21/21 14:03	04/23/21 15:58	1
4-Chloroaniline	ND		9.7	3.3	ug/L		04/21/21 14:03	04/23/21 15:58	1
4-Chloro-3-methylphenol	ND		9.7	3.7	ug/L		04/21/21 14:03	04/23/21 15:58	1
2-Chloronaphthalene	ND		9.7	0.14	ug/L		04/21/21 14:03	04/23/21 15:58	1
2-Chlorophenol	ND		9.7	2.1	ug/L		04/21/21 14:03	04/23/21 15:58	1
4-Chlorophenyl phenyl ether	ND		9.7	1.9	ug/L		04/21/21 14:03	04/23/21 15:58	1
Dibenz[a,h]acridine	ND		9.7	0.97	ug/L		04/21/21 14:03	04/23/21 15:58	1
Dibenzofuran	ND		9.7	0.17	ug/L		04/21/21 14:03	04/23/21 15:58	1
3,3'-Dichlorobenzidine	ND		9.7	2.5	ug/L		04/21/21 14:03	04/23/21 15:58	1
2,4-Dichlorophenol	ND		9.7	2.9	ug/L		04/21/21 14:03	04/23/21 15:58	1
Diethyl phthalate	ND		9.7	0.23	ug/L		04/21/21 14:03	04/23/21 15:58	1
2,4-Dimethylphenol	ND		9.7	3.4	ug/L		04/21/21 14:03	04/23/21 15:58	1
Dimethyl phthalate	ND		9.7	0.17	ug/L		04/21/21 14:03	04/23/21 15:58	1
Di-n-butyl phthalate	ND		9.7	2.6	ug/L		04/21/21 14:03	04/23/21 15:58	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.6	ug/L		04/21/21 14:03	04/23/21 15:58	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/21/21 14:03	04/23/21 15:58	1
2,4-Dinitrotoluene	ND		9.7	1.8	ug/L		04/21/21 14:03	04/23/21 15:58	1
2,6-Dinitrotoluene	ND		9.7	1.8	ug/L		04/21/21 14:03	04/23/21 15:58	1
Di-n-octyl phthalate	ND		9.7	0.17	ug/L		04/21/21 14:03	04/23/21 15:58	1
1,4-Dioxane	ND		9.7	0.97	ug/L		04/21/21 14:03	04/23/21 15:58	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.97	ug/L		04/21/21 14:03	04/23/21 15:58	1
Hexachlorobenzene	ND		9.7	0.17	ug/L		04/21/21 14:03	04/23/21 15:58	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/21/21 14:03	04/23/21 15:58	1
Hexachloroethane	ND		9.7	4.1	ug/L		04/21/21 14:03	04/23/21 15:58	1
Indene	ND		9.7	0.97	ug/L		04/21/21 14:03	04/23/21 15:58	1
Isophorone	ND		9.7	0.14	ug/L		04/21/21 14:03	04/23/21 15:58	1
2-Methylphenol	ND		9.7	1.8	ug/L		04/21/21 14:03	04/23/21 15:58	1
3 & 4 Methylphenol	ND		19	0.38	ug/L		04/21/21 14:03	04/23/21 15:58	1
2-Nitroaniline	ND		9.7	2.1	ug/L		04/21/21 14:03	04/23/21 15:58	1
3-Nitroaniline	ND		9.7	1.8	ug/L		04/21/21 14:03	04/23/21 15:58	1
4-Nitroaniline	**3.9**	J	9.7	1.5	ug/L		04/21/21 14:03	04/23/21 15:58	1
Nitrobenzene	ND		9.7	0.13	ug/L		04/21/21 14:03	04/23/21 15:58	1
2-Nitrophenol	ND		9.7	5.1	ug/L		04/21/21 14:03	04/23/21 15:58	1
4-Nitrophenol	ND		9.7	2.0	ug/L		04/21/21 14:03	04/23/21 15:58	1
N-Nitrosodimethylamine	ND		9.7	3.4	ug/L		04/21/21 14:03	04/23/21 15:58	1

Client Sample ID: MW5-ROX-041421
Date Collected: 04/14/21 08:45
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-3
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		9.7	3.2	ug/L		04/21/21 14:03	04/23/21 15:58	1
N-Nitrosodiphenylamine	ND		9.7	0.18	ug/L		04/21/21 14:03	04/23/21 15:58	1
Pentachlorophenol	ND		19	1.4	ug/L		04/21/21 14:03	04/23/21 15:58	1
Phenol	ND		9.7	2.5	ug/L		04/21/21 14:03	04/23/21 15:58	1
Pyridine	ND		9.7	3.1	ug/L		04/21/21 14:03	04/23/21 15:58	1
Quinoline	ND		9.7	4.4	ug/L		04/21/21 14:03	04/23/21 15:58	1
2,4,5-Trichlorophenol	ND		9.7	3.6	ug/L		04/21/21 14:03	04/23/21 15:58	1
2,4,6-Trichlorophenol	ND		9.7	3.4	ug/L		04/21/21 14:03	04/23/21 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*92*		*46 - 124*	*04/21/21 14:03*	*04/23/21 15:58*	*1*
2-Fluorophenol	*46*		*13 - 113*	*04/21/21 14:03*	*04/23/21 15:58*	*1*
Nitrobenzene-d5	*84*		*36 - 126*	*04/21/21 14:03*	*04/23/21 15:58*	*1*
Phenol-d5	*82*		*17 - 127*	*04/21/21 14:03*	*04/23/21 15:58*	*1*
Terphenyl-d14	*107*		*44 - 149*	*04/21/21 14:03*	*04/23/21 15:58*	*1*
2,4,6-Tribromophenol	*94*		*26 - 150*	*04/21/21 14:03*	*04/23/21 15:58*	*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		0.028	0.0051	ug/L		04/22/21 11:01	04/22/21 16:20	1
1,2-Dibromoethane	ND		0.018	0.0046	ug/L		04/22/21 11:01	04/22/21 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*	*p*	*51 - 149*	*04/22/21 11:01*	*04/22/21 16:20*	*1*

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

Job ID: 400-202080-1

Client Sample ID: MW6B-ROX-041421
Date Collected: 04/14/21 09:30
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-4
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			04/28/21 22:31	1
Acrolein	ND		20	10	ug/L			04/28/21 22:31	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/21 22:31	1
Benzene	ND		1.0	0.38	ug/L			04/28/21 22:31	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/21 22:31	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/21 22:31	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/21 22:31	1
Bromoform	ND		5.0	0.71	ug/L			04/28/21 22:31	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/21 22:31	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/21 22:31	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/21 22:31	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/28/21 22:31	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/28/21 22:31	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/28/21 22:31	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/21 22:31	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/21 22:31	1
Chloroform	ND		1.0	0.60	ug/L			04/28/21 22:31	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/28/21 22:31	1
Chloromethane	ND		1.0	0.83	ug/L			04/28/21 22:31	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 22:31	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 22:31	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/21 22:31	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/21 22:31	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/21 22:31	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/21 22:31	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 22:31	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 22:31	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 22:31	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 22:31	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 22:31	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 22:31	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/28/21 22:31	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/21 22:31	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/21 22:31	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/21 22:31	1
2-Hexanone	ND		25	3.1	ug/L			04/28/21 22:31	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/21 22:31	1
Methylene bromide	ND		5.0	0.59	ug/L			04/28/21 22:31	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/21 22:31	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/21 22:31	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/28/21 22:31	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/28/21 22:31	1
Naphthalene	ND		1.0	1.0	ug/L			04/28/21 22:31	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/21 22:31	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/21 22:31	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/21 22:31	1
o-Xylene	ND		5.0	0.60	ug/L			04/28/21 22:31	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/21 22:31	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/21 22:31	1

Client Sample ID: MW6B-ROX-041421
Date Collected: 04/14/21 09:30
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-4
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			04/28/21 22:31	1
Styrene	ND		1.0	1.0	ug/L			04/28/21 22:31	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/21 22:31	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/28/21 22:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/21 22:31	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/28/21 22:31	1
Toluene	0.42	J	1.0	0.41	ug/L			04/28/21 22:31	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 22:31	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 22:31	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/28/21 22:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/21 22:31	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/28/21 22:31	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/28/21 22:31	1
Trichloroethene	ND		1.0	0.50	ug/L			04/28/21 22:31	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/28/21 22:31	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/21 22:31	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/21 22:31	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/21 22:31	1
Vinyl acetate	ND		25	2.0	ug/L			04/28/21 22:31	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/28/21 22:31	1
Xylenes, Total	ND		10	1.6	ug/L			04/28/21 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*78 - 118*		*04/28/21 22:31*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*04/28/21 22:31*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*04/28/21 22:31*	*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		04/21/21 14:03	04/23/21 15:01	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/21/21 14:03	04/23/21 15:01	1
Anthracene	ND		0.19	0.031	ug/L		04/21/21 14:03	04/23/21 15:01	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		04/21/21 14:03	04/23/21 15:01	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/21/21 14:03	04/23/21 15:01	1
Benzo[b]fluoranthene	ND		0.19	0.033	ug/L		04/21/21 14:03	04/23/21 15:01	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/21/21 14:03	04/23/21 15:01	1
Benzo[k]fluoranthene	ND		0.19	0.096	ug/L		04/21/21 14:03	04/23/21 15:01	1
Chrysene	ND		0.19	0.071	ug/L		04/21/21 14:03	04/23/21 15:01	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		04/21/21 14:03	04/23/21 15:01	1
Fluoranthene	ND		0.19	0.065	ug/L		04/21/21 14:03	04/23/21 15:01	1
Fluorene	ND		0.19	0.11	ug/L		04/21/21 14:03	04/23/21 15:01	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/21/21 14:03	04/23/21 15:01	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/21/21 14:03	04/23/21 15:01	1
2-Methylnaphthalene	ND		0.19	0.058	ug/L		04/21/21 14:03	04/23/21 15:01	1
Phenanthrene	ND		0.19	0.035	ug/L		04/21/21 14:03	04/23/21 15:01	1
Pyrene	ND		0.19	0.038	ug/L		04/21/21 14:03	04/23/21 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 122*	*04/21/21 14:03*	*04/23/21 15:01*	*1*
Nitrobenzene-d5	*29*		*19 - 130*	*04/21/21 14:03*	*04/23/21 15:01*	*1*

Client Sample ID: MW6B-ROX-041421
Date Collected: 04/14/21 09:30
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-4
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*84*		*33 - 138*	*04/21/21 14:03*	*04/23/21 15:01*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	UJ	9.6	3.6	ug/L		04/21/21 14:03	04/22/21 16:54	1
Benzenethiol	ND	*1	9.6	1.6	ug/L		04/21/21 14:03	04/23/21 22:04	1
Benzoic acid	ND		29	7.0	ug/L		04/21/21 14:03	04/22/21 16:54	1
Benzyl alcohol	ND	UJ	9.6	1.9	ug/L		04/21/21 14:03	04/22/21 16:54	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		04/21/21 14:03	04/22/21 16:54	1
Bis(2-chloroethyl)ether	ND		9.6	2.6	ug/L		04/21/21 14:03	04/22/21 16:54	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		04/21/21 14:03	04/22/21 16:54	1
Bis(2-ethylhexyl) phthalate	ND		9.6	4.8	ug/L		04/21/21 14:03	04/22/21 16:54	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		04/21/21 14:03	04/22/21 16:54	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		04/21/21 14:03	04/22/21 16:54	1
4-Chloroaniline	ND		9.6	3.3	ug/L		04/21/21 14:03	04/22/21 16:54	1
4-Chloro-3-methylphenol	ND		9.6	3.6	ug/L		04/21/21 14:03	04/22/21 16:54	1
2-Chloronaphthalene	ND		9.6	0.13	ug/L		04/21/21 14:03	04/22/21 16:54	1
2-Chlorophenol	ND		9.6	2.1	ug/L		04/21/21 14:03	04/22/21 16:54	1
4-Chlorophenyl phenyl ether	ND		9.6	1.9	ug/L		04/21/21 14:03	04/22/21 16:54	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		04/21/21 14:03	04/22/21 16:54	1
Dibenzofuran	ND		9.6	0.16	ug/L		04/21/21 14:03	04/22/21 16:54	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		04/21/21 14:03	04/22/21 16:54	1
2,4-Dichlorophenol	ND		9.6	2.9	ug/L		04/21/21 14:03	04/22/21 16:54	1
Diethyl phthalate	ND		9.6	0.23	ug/L		04/21/21 14:03	04/22/21 16:54	1
2,4-Dimethylphenol	ND		9.6	3.4	ug/L		04/21/21 14:03	04/22/21 16:54	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		04/21/21 14:03	04/22/21 16:54	1
Di-n-butyl phthalate	ND		9.6	2.6	ug/L		04/21/21 14:03	04/22/21 16:54	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		04/21/21 14:03	04/22/21 16:54	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/21/21 14:03	04/22/21 16:54	1
2,4-Dinitrotoluene	ND		9.6	1.8	ug/L		04/21/21 14:03	04/22/21 16:54	1
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		04/21/21 14:03	04/22/21 16:54	1
Di-n-octyl phthalate	ND		9.6	0.16	ug/L		04/21/21 14:03	04/22/21 16:54	1
1,4-Dioxane	ND	UJ	9.6	0.96	ug/L		04/21/21 14:03	04/22/21 16:54	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.96	ug/L		04/21/21 14:03	04/22/21 16:54	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		04/21/21 14:03	04/22/21 16:54	1
Hexachlorocyclopentadiene	ND	UJ	19	2.5	ug/L		04/21/21 14:03	04/22/21 16:54	1
Hexachloroethane	ND		9.6	4.0	ug/L		04/21/21 14:03	04/22/21 16:54	1
Indene	ND		9.6	0.96	ug/L		04/21/21 14:03	04/22/21 16:54	1
Isophorone	ND		9.6	0.13	ug/L		04/21/21 14:03	04/22/21 16:54	1
2-Methylphenol	ND		9.6	1.7	ug/L		04/21/21 14:03	04/22/21 16:54	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		04/21/21 14:03	04/22/21 16:54	1
2-Nitroaniline	ND		9.6	2.1	ug/L		04/21/21 14:03	04/22/21 16:54	1
3-Nitroaniline	ND		9.6	1.7	ug/L		04/21/21 14:03	04/22/21 16:54	1
4-Nitroaniline	ND		9.6	1.4	ug/L		04/21/21 14:03	04/22/21 16:54	1
Nitrobenzene	ND		9.6	0.12	ug/L		04/21/21 14:03	04/22/21 16:54	1
2-Nitrophenol	ND		9.6	5.0	ug/L		04/21/21 14:03	04/22/21 16:54	1
4-Nitrophenol	ND		9.6	2.0	ug/L		04/21/21 14:03	04/22/21 16:54	1
N-Nitrosodimethylamine	ND		9.6	3.4	ug/L		04/21/21 14:03	04/22/21 16:54	1

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

Job ID: 400-202080-1

Client Sample ID: MW6B-ROX-041421
Date Collected: 04/14/21 09:30
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-4
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		9.6	3.2	ug/L		04/21/21 14:03	04/22/21 16:54	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		04/21/21 14:03	04/22/21 16:54	1
Pentachlorophenol	ND		19	1.3	ug/L		04/21/21 14:03	04/22/21 16:54	1
Phenol	ND	UJ	9.6	2.5	ug/L		04/21/21 14:03	04/22/21 16:54	1
Pyridine	ND		9.6	3.1	ug/L		04/21/21 14:03	04/22/21 16:54	1
Quinoline	ND		9.6	4.3	ug/L		04/21/21 14:03	04/22/21 16:54	1
2,4,5-Trichlorophenol	ND		9.6	3.6	ug/L		04/21/21 14:03	04/22/21 16:54	1
2,4,6-Trichlorophenol	ND		9.6	3.4	ug/L		04/21/21 14:03	04/22/21 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*46 - 124*	*04/21/21 14:03*	*04/22/21 16:54*	*1*
2-Fluorophenol	*29*		*13 - 113*	*04/21/21 14:03*	*04/22/21 16:54*	*1*
Nitrobenzene-d5	*55*		*36 - 126*	*04/21/21 14:03*	*04/22/21 16:54*	*1*
Phenol-d5	*44*		*17 - 127*	*04/21/21 14:03*	*04/22/21 16:54*	*1*
Terphenyl-d14	*80*		*44 - 149*	*04/21/21 14:03*	*04/22/21 16:54*	*1*
2,4,6-Tribromophenol	*89*		*26 - 150*	*04/21/21 14:03*	*04/22/21 16:54*	*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		0.028	0.0051	ug/L		04/22/21 11:01	04/22/21 16:40	1
1,2-Dibromoethane	ND		0.019	0.0047	ug/L		04/22/21 11:01	04/22/21 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*	*p*	*51 - 149*	*04/22/21 11:01*	*04/22/21 16:40*	*1*

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

Job ID: 400-202080-1

Client Sample ID: MW6C-ROX-041421
Date Collected: 04/14/21 10:10
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-5
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			04/28/21 15:55	1
Acrolein	ND		20	10	ug/L			04/28/21 15:55	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/21 15:55	1
Benzene	ND		1.0	0.38	ug/L			04/28/21 15:55	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/21 15:55	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/21 15:55	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/21 15:55	1
Bromoform	ND		5.0	0.71	ug/L			04/28/21 15:55	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/21 15:55	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/21 15:55	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/21 15:55	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/28/21 15:55	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/28/21 15:55	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/28/21 15:55	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/21 15:55	1
2-Chloroethyl vinyl ether	ND	F1 UJ	5.0	2.0	ug/L			04/28/21 15:55	1
Chloroform	ND		1.0	0.60	ug/L			04/28/21 15:55	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/28/21 15:55	1
Chloromethane	ND		1.0	0.83	ug/L			04/28/21 15:55	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 15:55	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 15:55	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/21 15:55	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/21 15:55	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/21 15:55	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/21 15:55	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 15:55	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 15:55	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 15:55	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 15:55	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 15:55	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 15:55	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/28/21 15:55	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/21 15:55	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/21 15:55	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/21 15:55	1
2-Hexanone	ND		25	3.1	ug/L			04/28/21 15:55	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/21 15:55	1
Methylene bromide	ND		5.0	0.59	ug/L			04/28/21 15:55	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/21 15:55	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/21 15:55	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/28/21 15:55	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/28/21 15:55	1
Naphthalene	ND		1.0	1.0	ug/L			04/28/21 15:55	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/21 15:55	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/21 15:55	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/21 15:55	1
o-Xylene	ND		5.0	0.60	ug/L			04/28/21 15:55	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/21 15:55	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/21 15:55	1

Client Sample ID: MW6C-ROX-041421

Date Collected: 04/14/21 10:10
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-5

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			04/28/21 15:55	1
Styrene	ND		1.0	1.0	ug/L			04/28/21 15:55	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/21 15:55	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/28/21 15:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/21 15:55	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/28/21 15:55	1
Toluene	ND		1.0	0.41	ug/L			04/28/21 15:55	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 15:55	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 15:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/28/21 15:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/21 15:55	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/28/21 15:55	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/28/21 15:55	1
Trichloroethene	ND		1.0	0.50	ug/L			04/28/21 15:55	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/28/21 15:55	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/21 15:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/21 15:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/21 15:55	1
Vinyl acetate	ND		25	2.0	ug/L			04/28/21 15:55	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/28/21 15:55	1
Xylenes, Total	ND		10	1.6	ug/L			04/28/21 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*04/28/21 15:55*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*04/28/21 15:55*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/28/21 15:55*	*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	0.031	ug/L		04/21/21 14:03	04/23/21 14:30	1
Acenaphthylene	ND		0.20	0.044	ug/L		04/21/21 14:03	04/23/21 14:30	1
Anthracene	ND		0.20	0.031	ug/L		04/21/21 14:03	04/23/21 14:30	1
Benzo[a]anthracene	ND		0.20	0.045	ug/L		04/21/21 14:03	04/23/21 14:30	1
Benzo[a]pyrene	ND		0.20	0.041	ug/L		04/21/21 14:03	04/23/21 14:30	1
Benzo[b]fluoranthene	ND		0.20	0.033	ug/L		04/21/21 14:03	04/23/21 14:30	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/21/21 14:03	04/23/21 14:30	1
Benzo[k]fluoranthene	ND		0.20	0.098	ug/L		04/21/21 14:03	04/23/21 14:30	1
Chrysene	ND		0.20	0.072	ug/L		04/21/21 14:03	04/23/21 14:30	1
Dibenz(a,h)anthracene	ND		0.20	0.049	ug/L		04/21/21 14:03	04/23/21 14:30	1
Fluoranthene	ND		0.20	0.067	ug/L		04/21/21 14:03	04/23/21 14:30	1
Fluorene	ND		0.20	0.11	ug/L		04/21/21 14:03	04/23/21 14:30	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.042	ug/L		04/21/21 14:03	04/23/21 14:30	1
1-Methylnaphthalene	ND		0.20	0.072	ug/L		04/21/21 14:03	04/23/21 14:30	1
2-Methylnaphthalene	ND		0.20	0.059	ug/L		04/21/21 14:03	04/23/21 14:30	1
Phenanthrene	ND		0.20	0.035	ug/L		04/21/21 14:03	04/23/21 14:30	1
Pyrene	0.039	J	0.20	0.039	ug/L		04/21/21 14:03	04/23/21 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*15 - 122*	*04/21/21 14:03*	*04/23/21 14:30*	*1*
Nitrobenzene-d5	*32*		*19 - 130*	*04/21/21 14:03*	*04/23/21 14:30*	*1*

Client Sample ID: MW6C-ROX-041421
Date Collected: 04/14/21 10:10
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-5
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	*87*		*33 - 138*	*04/21/21 14:03*	*04/23/21 14:30*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	UJ	9.8	3.7	ug/L		04/21/21 14:03	04/22/21 16:29	1
Benzenethiol	ND	*1	9.8	1.7	ug/L		04/21/21 14:03	04/23/21 22:26	1
Benzoic acid	ND		29	7.1	ug/L		04/21/21 14:03	04/22/21 16:29	1
Benzyl alcohol	ND	UJ	9.8	2.0	ug/L		04/21/21 14:03	04/22/21 16:29	1
Bis(2-chloroethoxy)methane	ND		9.8	0.16	ug/L		04/21/21 14:03	04/22/21 16:29	1
Bis(2-chloroethyl)ether	ND		9.8	2.6	ug/L		04/21/21 14:03	04/22/21 16:29	1
bis (2-chloroisopropyl) ether	ND		9.8	0.16	ug/L		04/21/21 14:03	04/22/21 16:29	1
Bis(2-ethylhexyl) phthalate	ND		9.8	4.9	ug/L		04/21/21 14:03	04/22/21 16:29	1
4-Bromophenyl phenyl ether	ND		9.8	0.20	ug/L		04/21/21 14:03	04/22/21 16:29	1
Butyl benzyl phthalate	ND		9.8	0.19	ug/L		04/21/21 14:03	04/22/21 16:29	1
4-Chloroaniline	ND		9.8	3.3	ug/L		04/21/21 14:03	04/22/21 16:29	1
4-Chloro-3-methylphenol	ND		9.8	3.7	ug/L		04/21/21 14:03	04/22/21 16:29	1
2-Chloronaphthalene	ND		9.8	0.14	ug/L		04/21/21 14:03	04/22/21 16:29	1
2-Chlorophenol	ND		9.8	2.2	ug/L		04/21/21 14:03	04/22/21 16:29	1
4-Chlorophenyl phenyl ether	ND		9.8	2.0	ug/L		04/21/21 14:03	04/22/21 16:29	1
Dibenz[a,h]acridine	ND		9.8	0.98	ug/L		04/21/21 14:03	04/22/21 16:29	1
Dibenzofuran	ND		9.8	0.17	ug/L		04/21/21 14:03	04/22/21 16:29	1
3,3'-Dichlorobenzidine	ND		9.8	2.5	ug/L		04/21/21 14:03	04/22/21 16:29	1
2,4-Dichlorophenol	ND		9.8	2.9	ug/L		04/21/21 14:03	04/22/21 16:29	1
Diethyl phthalate	ND		9.8	0.23	ug/L		04/21/21 14:03	04/22/21 16:29	1
2,4-Dimethylphenol	ND		9.8	3.4	ug/L		04/21/21 14:03	04/22/21 16:29	1
Dimethyl phthalate	ND		9.8	0.17	ug/L		04/21/21 14:03	04/22/21 16:29	1
Di-n-butyl phthalate	ND		9.8	2.6	ug/L		04/21/21 14:03	04/22/21 16:29	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.6	ug/L		04/21/21 14:03	04/22/21 16:29	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/21/21 14:03	04/22/21 16:29	1
2,4-Dinitrotoluene	ND		9.8	1.9	ug/L		04/21/21 14:03	04/22/21 16:29	1
2,6-Dinitrotoluene	ND		9.8	1.9	ug/L		04/21/21 14:03	04/22/21 16:29	1
Di-n-octyl phthalate	ND		9.8	0.17	ug/L		04/21/21 14:03	04/22/21 16:29	1
1,4-Dioxane	ND	UJ	9.8	0.98	ug/L		04/21/21 14:03	04/22/21 16:29	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.98	ug/L		04/21/21 14:03	04/22/21 16:29	1
Hexachlorobenzene	ND		9.8	0.17	ug/L		04/21/21 14:03	04/22/21 16:29	1
Hexachlorocyclopentadiene	ND	UJ	20	2.5	ug/L		04/21/21 14:03	04/22/21 16:29	1
Hexachloroethane	ND		9.8	4.1	ug/L		04/21/21 14:03	04/22/21 16:29	1
Indene	ND		9.8	0.98	ug/L		04/21/21 14:03	04/22/21 16:29	1
Isophorone	ND		9.8	0.14	ug/L		04/21/21 14:03	04/22/21 16:29	1
2-Methylphenol	ND		9.8	1.8	ug/L		04/21/21 14:03	04/22/21 16:29	1
3 & 4 Methylphenol	ND		20	0.38	ug/L		04/21/21 14:03	04/22/21 16:29	1
2-Nitroaniline	ND		9.8	2.2	ug/L		04/21/21 14:03	04/22/21 16:29	1
3-Nitroaniline	ND		9.8	1.8	ug/L		04/21/21 14:03	04/22/21 16:29	1
4-Nitroaniline	ND		9.8	1.5	ug/L		04/21/21 14:03	04/22/21 16:29	1
Nitrobenzene	ND		9.8	0.13	ug/L		04/21/21 14:03	04/22/21 16:29	1
2-Nitrophenol	ND		9.8	5.1	ug/L		04/21/21 14:03	04/22/21 16:29	1
4-Nitrophenol	ND		9.8	2.1	ug/L		04/21/21 14:03	04/22/21 16:29	1
N-Nitrosodimethylamine	ND		9.8	3.4	ug/L		04/21/21 14:03	04/22/21 16:29	1

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

Job ID: 400-202080-1

Client Sample ID: MW6C-ROX-041421
Date Collected: 04/14/21 10:10
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-5
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		9.8	3.2	ug/L		04/21/21 14:03	04/22/21 16:29	1
N-Nitrosodiphenylamine	ND		9.8	0.18	ug/L		04/21/21 14:03	04/22/21 16:29	1
Pentachlorophenol	ND		20	1.4	ug/L		04/21/21 14:03	04/22/21 16:29	1
Phenol	ND	UJ	9.8	2.5	ug/L		04/21/21 14:03	04/22/21 16:29	1
Pyridine	ND		9.8	3.1	ug/L		04/21/21 14:03	04/22/21 16:29	1
Quinoline	ND		9.8	4.4	ug/L		04/21/21 14:03	04/22/21 16:29	1
2,4,5-Trichlorophenol	ND		9.8	3.6	ug/L		04/21/21 14:03	04/22/21 16:29	1
2,4,6-Trichlorophenol	ND		9.8	3.4	ug/L		04/21/21 14:03	04/22/21 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*46 - 124*	*04/21/21 14:03*	*04/22/21 16:29*	*1*
2-Fluorophenol	*38*		*13 - 113*	*04/21/21 14:03*	*04/22/21 16:29*	*1*
Nitrobenzene-d5	*58*		*36 - 126*	*04/21/21 14:03*	*04/22/21 16:29*	*1*
Phenol-d5	*51*		*17 - 127*	*04/21/21 14:03*	*04/22/21 16:29*	*1*
Terphenyl-d14	*82*		*44 - 149*	*04/21/21 14:03*	*04/22/21 16:29*	*1*
2,4,6-Tribromophenol	*90*		*26 - 150*	*04/21/21 14:03*	*04/22/21 16:29*	*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		0.028	0.0051	ug/L		04/22/21 11:01	04/22/21 17:00	1
1,2-Dibromoethane	ND		0.019	0.0046	ug/L		04/22/21 11:01	04/22/21 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*	*p*	*51 - 149*	*04/22/21 11:01*	*04/22/21 17:00*	*1*

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

Job ID: 400-202080-1

Client Sample ID: MW6D-ROX-041421
Date Collected: 04/14/21 12:20
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-6
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			04/28/21 22:56	1
Acrolein	ND		20	10	ug/L			04/28/21 22:56	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/21 22:56	1
Benzene	ND		1.0	0.38	ug/L			04/28/21 22:56	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/21 22:56	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/21 22:56	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/21 22:56	1
Bromoform	ND		5.0	0.71	ug/L			04/28/21 22:56	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/21 22:56	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/21 22:56	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/21 22:56	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/28/21 22:56	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/28/21 22:56	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/28/21 22:56	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/21 22:56	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/21 22:56	1
Chloroform	ND		1.0	0.60	ug/L			04/28/21 22:56	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/28/21 22:56	1
Chloromethane	ND		1.0	0.83	ug/L			04/28/21 22:56	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 22:56	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 22:56	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/21 22:56	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/21 22:56	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/21 22:56	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/21 22:56	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 22:56	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 22:56	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 22:56	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 22:56	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 22:56	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 22:56	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/28/21 22:56	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/21 22:56	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/21 22:56	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/21 22:56	1
2-Hexanone	ND		25	3.1	ug/L			04/28/21 22:56	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/21 22:56	1
Methylene bromide	ND		5.0	0.59	ug/L			04/28/21 22:56	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/21 22:56	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/21 22:56	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/28/21 22:56	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/28/21 22:56	1
Naphthalene	ND		1.0	1.0	ug/L			04/28/21 22:56	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/21 22:56	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/21 22:56	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/21 22:56	1
o-Xylene	ND		5.0	0.60	ug/L			04/28/21 22:56	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/21 22:56	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/21 22:56	1

Client Sample ID: MW6D-ROX-041421
Date Collected: 04/14/21 12:20
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-6
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			04/28/21 22:56	1
Styrene	ND		1.0	1.0	ug/L			04/28/21 22:56	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/21 22:56	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/28/21 22:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/21 22:56	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/28/21 22:56	1
Toluene	ND		1.0	0.41	ug/L			04/28/21 22:56	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 22:56	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 22:56	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/28/21 22:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/21 22:56	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/28/21 22:56	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/28/21 22:56	1
Trichloroethene	ND		1.0	0.50	ug/L			04/28/21 22:56	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/28/21 22:56	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/21 22:56	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/21 22:56	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/21 22:56	1
Vinyl acetate	ND		25	2.0	ug/L			04/28/21 22:56	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/28/21 22:56	1
Xylenes, Total	ND		10	1.6	ug/L			04/28/21 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/28/21 22:56*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*04/28/21 22:56*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*04/28/21 22:56*	*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	0.031	ug/L		04/21/21 14:03	04/23/21 15:17	1
Acenaphthylene	ND		0.20	0.044	ug/L		04/21/21 14:03	04/23/21 15:17	1
Anthracene	ND		0.20	0.031	ug/L		04/21/21 14:03	04/23/21 15:17	1
Benzo[a]anthracene	ND		0.20	0.045	ug/L		04/21/21 14:03	04/23/21 15:17	1
Benzo[a]pyrene	ND		0.20	0.041	ug/L		04/21/21 14:03	04/23/21 15:17	1
Benzo[b]fluoranthene	ND		0.20	0.033	ug/L		04/21/21 14:03	04/23/21 15:17	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/21/21 14:03	04/23/21 15:17	1
Benzo[k]fluoranthene	ND		0.20	0.098	ug/L		04/21/21 14:03	04/23/21 15:17	1
Chrysene	ND		0.20	0.072	ug/L		04/21/21 14:03	04/23/21 15:17	1
Dibenz(a,h)anthracene	**0.074**	**J**	0.20	0.049	ug/L		04/21/21 14:03	04/23/21 15:17	1
Fluoranthene	**0.067**	**J**	0.20	0.066	ug/L		04/21/21 14:03	04/23/21 15:17	1
Fluorene	ND		0.20	0.11	ug/L		04/21/21 14:03	04/23/21 15:17	1
Indeno[1,2,3-cd]pyrene	**0.072**	**J**	0.20	0.042	ug/L		04/21/21 14:03	04/23/21 15:17	1
1-Methylnaphthalene	ND		0.20	0.072	ug/L		04/21/21 14:03	04/23/21 15:17	1
2-Methylnaphthalene	ND		0.20	0.059	ug/L		04/21/21 14:03	04/23/21 15:17	1
Phenanthrene	**0.057**	**J**	0.20	0.035	ug/L		04/21/21 14:03	04/23/21 15:17	1
Pyrene	**0.054**	**J**	0.20	0.039	ug/L		04/21/21 14:03	04/23/21 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*91*		*15 - 122*	*04/21/21 14:03*	*04/23/21 15:17*	*1*
Nitrobenzene-d5	*32*		*19 - 130*	*04/21/21 14:03*	*04/23/21 15:17*	*1*

Client Sample ID: MW6D-ROX-041421
Date Collected: 04/14/21 12:20
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-6
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*96*		*33 - 138*	*04/21/21 14:03*	*04/23/21 15:17*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.8	3.7	ug/L		04/21/21 14:03	04/22/21 17:20	1
Benzenethiol	ND	*1	9.8	1.7	ug/L		04/21/21 14:03	04/23/21 22:49	1
Benzoic acid	ND		29	7.1	ug/L		04/21/21 14:03	04/22/21 17:20	1
Benzyl alcohol	ND		9.8	2.0	ug/L		04/21/21 14:03	04/22/21 17:20	1
Bis(2-chloroethoxy)methane	ND		9.8	0.16	ug/L		04/21/21 14:03	04/22/21 17:20	1
Bis(2-chloroethyl)ether	ND		9.8	2.6	ug/L		04/21/21 14:03	04/22/21 17:20	1
bis (2-chloroisopropyl) ether	ND		9.8	0.16	ug/L		04/21/21 14:03	04/22/21 17:20	1
Bis(2-ethylhexyl) phthalate	ND		9.8	4.9	ug/L		04/21/21 14:03	04/22/21 17:20	1
4-Bromophenyl phenyl ether	ND		9.8	0.20	ug/L		04/21/21 14:03	04/22/21 17:20	1
Butyl benzyl phthalate	ND		9.8	0.19	ug/L		04/21/21 14:03	04/22/21 17:20	1
4-Chloroaniline	ND		9.8	3.3	ug/L		04/21/21 14:03	04/22/21 17:20	1
4-Chloro-3-methylphenol	ND		9.8	3.7	ug/L		04/21/21 14:03	04/22/21 17:20	1
2-Chloronaphthalene	ND		9.8	0.14	ug/L		04/21/21 14:03	04/22/21 17:20	1
2-Chlorophenol	ND		9.8	2.1	ug/L		04/21/21 14:03	04/22/21 17:20	1
4-Chlorophenyl phenyl ether	ND		9.8	2.0	ug/L		04/21/21 14:03	04/22/21 17:20	1
Dibenz[a,h]acridine	ND		9.8	0.98	ug/L		04/21/21 14:03	04/22/21 17:20	1
Dibenzofuran	ND		9.8	0.17	ug/L		04/21/21 14:03	04/22/21 17:20	1
3,3'-Dichlorobenzidine	ND		9.8	2.5	ug/L		04/21/21 14:03	04/22/21 17:20	1
2,4-Dichlorophenol	ND		9.8	2.9	ug/L		04/21/21 14:03	04/22/21 17:20	1
Diethyl phthalate	ND		9.8	0.23	ug/L		04/21/21 14:03	04/22/21 17:20	1
2,4-Dimethylphenol	ND		9.8	3.4	ug/L		04/21/21 14:03	04/22/21 17:20	1
Dimethyl phthalate	ND		9.8	0.17	ug/L		04/21/21 14:03	04/22/21 17:20	1
Di-n-butyl phthalate	ND		9.8	2.6	ug/L		04/21/21 14:03	04/22/21 17:20	1
4,6-Dinitro-ortho-cresol	ND		9.8	1.6	ug/L		04/21/21 14:03	04/22/21 17:20	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/21/21 14:03	04/22/21 17:20	1
2,4-Dinitrotoluene	ND		9.8	1.9	ug/L		04/21/21 14:03	04/22/21 17:20	1
2,6-Dinitrotoluene	ND		9.8	1.9	ug/L		04/21/21 14:03	04/22/21 17:20	1
Di-n-octyl phthalate	ND		9.8	0.17	ug/L		04/21/21 14:03	04/22/21 17:20	1
1,4-Dioxane	ND		9.8	0.98	ug/L		04/21/21 14:03	04/22/21 17:20	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.8	0.98	ug/L		04/21/21 14:03	04/22/21 17:20	1
Hexachlorobenzene	ND		9.8	0.17	ug/L		04/21/21 14:03	04/22/21 17:20	1
Hexachlorocyclopentadiene	ND		20	2.5	ug/L		04/21/21 14:03	04/22/21 17:20	1
Hexachloroethane	ND		9.8	4.1	ug/L		04/21/21 14:03	04/22/21 17:20	1
Indene	ND		9.8	0.98	ug/L		04/21/21 14:03	04/22/21 17:20	1
Isophorone	ND		9.8	0.14	ug/L		04/21/21 14:03	04/22/21 17:20	1
2-Methylphenol	ND		9.8	1.8	ug/L		04/21/21 14:03	04/22/21 17:20	1
3 & 4 Methylphenol	ND		20	0.38	ug/L		04/21/21 14:03	04/22/21 17:20	1
2-Nitroaniline	ND		9.8	2.1	ug/L		04/21/21 14:03	04/22/21 17:20	1
3-Nitroaniline	ND		9.8	1.8	ug/L		04/21/21 14:03	04/22/21 17:20	1
4-Nitroaniline	ND		9.8	1.5	ug/L		04/21/21 14:03	04/22/21 17:20	1
Nitrobenzene	ND		9.8	0.13	ug/L		04/21/21 14:03	04/22/21 17:20	1
2-Nitrophenol	ND		9.8	5.1	ug/L		04/21/21 14:03	04/22/21 17:20	1
4-Nitrophenol	ND		9.8	2.0	ug/L		04/21/21 14:03	04/22/21 17:20	1
N-Nitrosodimethylamine	ND		9.8	3.4	ug/L		04/21/21 14:03	04/22/21 17:20	1

Client Sample ID: MW6D-ROX-041421
Date Collected: 04/14/21 12:20
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-6
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		9.8	3.2	ug/L		04/21/21 14:03	04/22/21 17:20	1
N-Nitrosodiphenylamine	ND		9.8	0.18	ug/L		04/21/21 14:03	04/22/21 17:20	1
Pentachlorophenol	ND		20	1.4	ug/L		04/21/21 14:03	04/22/21 17:20	1
Phenol	ND		9.8	2.5	ug/L		04/21/21 14:03	04/22/21 17:20	1
Pyridine	ND		9.8	3.1	ug/L		04/21/21 14:03	04/22/21 17:20	1
Quinoline	ND		9.8	4.4	ug/L		04/21/21 14:03	04/22/21 17:20	1
2,4,5-Trichlorophenol	ND		9.8	3.6	ug/L		04/21/21 14:03	04/22/21 17:20	1
2,4,6-Trichlorophenol	ND		9.8	3.4	ug/L		04/21/21 14:03	04/22/21 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*46 - 124*	*04/21/21 14:03*	*04/22/21 17:20*	*1*
2-Fluorophenol	*0.4*	*S1-*	*13 - 113*	*04/21/21 14:03*	*04/22/21 17:20*	*1*
Nitrobenzene-d5	*60*		*36 - 126*	*04/21/21 14:03*	*04/22/21 17:20*	*1*
Phenol-d5	*4*	*S1-*	*17 - 127*	*04/21/21 14:03*	*04/22/21 17:20*	*1*
Terphenyl-d14	*91*		*44 - 149*	*04/21/21 14:03*	*04/22/21 17:20*	*1*
2,4,6-Tribromophenol	*4*	*S1-*	*26 - 150*	*04/21/21 14:03*	*04/22/21 17:20*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	H	9.5	3.6	ug/L		04/28/21 10:20	04/29/21 23:22	1
Benzenethiol	ND	H *1	9.5	1.6	ug/L		04/28/21 10:20	04/29/21 23:22	1
Benzoic acid	ND	H	28	6.9	ug/L		04/28/21 10:20	04/29/21 23:22	1
Benzyl alcohol	ND	H	9.5	1.9	ug/L		04/28/21 10:20	04/29/21 23:22	1
Bis(2-chloroethoxy)methane	ND	H	9.5	0.15	ug/L		04/28/21 10:20	04/29/21 23:22	1
Bis(2-chloroethyl)ether	ND	H	9.5	2.6	ug/L		04/28/21 10:20	04/29/21 23:22	1
bis (2-chloroisopropyl) ether	ND	H	9.5	0.15	ug/L		04/28/21 10:20	04/29/21 23:22	1
Bis(2-ethylhexyl) phthalate	ND	H	9.5	4.7	ug/L		04/28/21 10:20	04/29/21 23:22	1
4-Bromophenyl phenyl ether	ND	H	9.5	0.19	ug/L		04/28/21 10:20	04/29/21 23:22	1
Butyl benzyl phthalate	ND	H	9.5	0.18	ug/L		04/28/21 10:20	04/29/21 23:22	1
4-Chloroaniline	ND	H	9.5	3.2	ug/L		04/28/21 10:20	04/29/21 23:22	1
4-Chloro-3-methylphenol	ND	H	9.5	3.6	ug/L		04/28/21 10:20	04/29/21 23:22	1
2-Chloronaphthalene	ND	H	9.5	0.13	ug/L		04/28/21 10:20	04/29/21 23:22	1
2-Chlorophenol	ND	H	9.5	2.1	ug/L		04/28/21 10:20	04/29/21 23:22	1
4-Chlorophenyl phenyl ether	ND	H	9.5	1.9	ug/L		04/28/21 10:20	04/29/21 23:22	1
Dibenz[a,h]acridine	ND	H	9.5	0.95	ug/L		04/28/21 10:20	04/29/21 23:22	1
Dibenzofuran	ND	H	9.5	0.16	ug/L		04/28/21 10:20	04/29/21 23:22	1
3,3'-Dichlorobenzidine	ND	H	9.5	2.5	ug/L		04/28/21 10:20	04/29/21 23:22	1
2,4-Dichlorophenol	ND	H	9.5	2.8	ug/L		04/28/21 10:20	04/29/21 23:22	1
Diethyl phthalate	ND	H	9.5	0.23	ug/L		04/28/21 10:20	04/29/21 23:22	1
2,4-Dimethylphenol	ND	H	9.5	3.3	ug/L		04/28/21 10:20	04/29/21 23:22	1
Dimethyl phthalate	ND	H	9.5	0.16	ug/L		04/28/21 10:20	04/29/21 23:22	1
Di-n-butyl phthalate	ND	H	9.5	2.6	ug/L		04/28/21 10:20	04/29/21 23:22	1
4,6-Dinitro-ortho-cresol	ND	H	9.5	1.5	ug/L		04/28/21 10:20	04/29/21 23:22	1
2,4-Dinitrophenol	ND	H	28	3.2	ug/L		04/28/21 10:20	04/29/21 23:22	1
2,4-Dinitrotoluene	ND	H	9.5	1.8	ug/L		04/28/21 10:20	04/29/21 23:22	1
2,6-Dinitrotoluene	ND	H	9.5	1.8	ug/L		04/28/21 10:20	04/29/21 23:22	1
Di-n-octyl phthalate	ND	H	9.5	0.16	ug/L		04/28/21 10:20	04/29/21 23:22	1
1,4-Dioxane	ND	H	9.5	0.95	ug/L		04/28/21 10:20	04/29/21 23:22	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	9.5	0.95	ug/L		04/28/21 10:20	04/29/21 23:22	1

Client Sample ID: MW6D-ROX-041421
Date Collected: 04/14/21 12:20
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-6
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND	H	9.5	0.16	ug/L		04/28/21 10:20	04/29/21 23:22	1
Hexachlorocyclopentadiene	ND	H	19	2.5	ug/L		04/28/21 10:20	04/29/21 23:22	1
Hexachloroethane	ND	H	9.5	4.0	ug/L		04/28/21 10:20	04/29/21 23:22	1
Indene	ND	H	9.5	0.95	ug/L		04/28/21 10:20	04/29/21 23:22	1
Isophorone	ND	H	9.5	0.13	ug/L		04/28/21 10:20	04/29/21 23:22	1
2-Methylphenol	ND	H	9.5	1.7	ug/L		04/28/21 10:20	04/29/21 23:22	1
3 & 4 Methylphenol	ND	H	19	0.37	ug/L		04/28/21 10:20	04/29/21 23:22	1
2-Nitroaniline	ND	H	9.5	2.1	ug/L		04/28/21 10:20	04/29/21 23:22	1
3-Nitroaniline	ND	H	9.5	1.7	ug/L		04/28/21 10:20	04/29/21 23:22	1
4-Nitroaniline	ND	H	9.5	1.4	ug/L		04/28/21 10:20	04/29/21 23:22	1
Nitrobenzene	ND	H	9.5	0.12	ug/L		04/28/21 10:20	04/29/21 23:22	1
2-Nitrophenol	ND	H	9.5	4.9	ug/L		04/28/21 10:20	04/29/21 23:22	1
4-Nitrophenol	ND	H	9.5	2.0	ug/L		04/28/21 10:20	04/29/21 23:22	1
N-Nitrosodimethylamine	ND	H	9.5	3.3	ug/L		04/28/21 10:20	04/29/21 23:22	1
N-Nitrosodi-n-propylamine	ND	H	9.5	3.1	ug/L		04/28/21 10:20	04/29/21 23:22	1
N-Nitrosodiphenylamine	ND	H	9.5	0.17	ug/L		04/28/21 10:20	04/29/21 23:22	1
Pentachlorophenol	ND	H	19	1.3	ug/L		04/28/21 10:20	04/29/21 23:22	1
Phenol	ND	H	9.5	2.5	ug/L		04/28/21 10:20	04/29/21 23:22	1
Pyridine	ND	H	9.5	3.0	ug/L		04/28/21 10:20	04/29/21 23:22	1
Quinoline	ND	H	9.5	4.3	ug/L		04/28/21 10:20	04/29/21 23:22	1
2,4,5-Trichlorophenol	ND	H	9.5	3.5	ug/L		04/28/21 10:20	04/29/21 23:22	1
2,4,6-Trichlorophenol	ND	H	9.5	3.3	ug/L		04/28/21 10:20	04/29/21 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*46 - 124*	*04/28/21 10:20*	*04/29/21 23:22*	*1*
2-Fluorophenol	*28*		*13 - 113*	*04/28/21 10:20*	*04/29/21 23:22*	*1*
Nitrobenzene-d5	*69*		*36 - 126*	*04/28/21 10:20*	*04/29/21 23:22*	*1*
Phenol-d5	*62*		*17 - 127*	*04/28/21 10:20*	*04/29/21 23:22*	*1*
Terphenyl-d14	*104*		*44 - 149*	*04/28/21 10:20*	*04/29/21 23:22*	*1*
2,4,6-Tribromophenol	*91*		*26 - 150*	*04/28/21 10:20*	*04/29/21 23:22*	*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		0.028	0.0052	ug/L		04/22/21 11:01	04/22/21 18:20	1
1,2-Dibromoethane	ND		0.019	0.0047	ug/L		04/22/21 11:01	04/22/21 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*	*p*	*51 - 149*	*04/22/21 11:01*	*04/22/21 18:20*	*1*

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

Job ID: 400-202080-1

Client Sample ID: MW6A-ROX-041421
Date Collected: 04/14/21 13:20
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-7
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			04/28/21 23:21	1
Acrolein	ND		20	10	ug/L			04/28/21 23:21	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/21 23:21	1
Benzene	ND		1.0	0.38	ug/L			04/28/21 23:21	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/21 23:21	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/21 23:21	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/21 23:21	1
Bromoform	ND		5.0	0.71	ug/L			04/28/21 23:21	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/21 23:21	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/21 23:21	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/21 23:21	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/28/21 23:21	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/28/21 23:21	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/28/21 23:21	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/21 23:21	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/21 23:21	1
Chloroform	ND		1.0	0.60	ug/L			04/28/21 23:21	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/28/21 23:21	1
Chloromethane	ND		1.0	0.83	ug/L			04/28/21 23:21	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 23:21	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 23:21	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/21 23:21	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/21 23:21	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/21 23:21	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/21 23:21	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 23:21	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 23:21	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 23:21	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 23:21	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 23:21	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 23:21	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/28/21 23:21	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/21 23:21	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/21 23:21	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/21 23:21	1
2-Hexanone	ND		25	3.1	ug/L			04/28/21 23:21	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/21 23:21	1
Methylene bromide	ND		5.0	0.59	ug/L			04/28/21 23:21	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/21 23:21	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/21 23:21	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/28/21 23:21	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/28/21 23:21	1
Naphthalene	ND		1.0	1.0	ug/L			04/28/21 23:21	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/21 23:21	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/21 23:21	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/21 23:21	1
o-Xylene	ND		5.0	0.60	ug/L			04/28/21 23:21	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/21 23:21	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/21 23:21	1

Client Sample ID: MW6A-ROX-041421

Date Collected: 04/14/21 13:20
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-7

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			04/28/21 23:21	1
Styrene	ND		1.0	1.0	ug/L			04/28/21 23:21	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/21 23:21	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/28/21 23:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/21 23:21	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/28/21 23:21	1
Toluene	ND		1.0	0.41	ug/L			04/28/21 23:21	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 23:21	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 23:21	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/28/21 23:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/21 23:21	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/28/21 23:21	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/28/21 23:21	1
Trichloroethene	ND		1.0	0.50	ug/L			04/28/21 23:21	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/28/21 23:21	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/21 23:21	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/21 23:21	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/21 23:21	1
Vinyl acetate	ND		25	2.0	ug/L			04/28/21 23:21	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/28/21 23:21	1
Xylenes, Total	ND		10	1.6	ug/L			04/28/21 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*04/28/21 23:21*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*04/28/21 23:21*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/28/21 23:21*	*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		0.19	0.031	ug/L		04/21/21 14:03	04/23/21 15:32	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/21/21 14:03	04/23/21 15:32	1
Anthracene	**0.031**	**J**	0.19	0.031	ug/L		04/21/21 14:03	04/23/21 15:32	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		04/21/21 14:03	04/23/21 15:32	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/21/21 14:03	04/23/21 15:32	1
Benzo[b]fluoranthene	ND		0.19	0.033	ug/L		04/21/21 14:03	04/23/21 15:32	1
Benzo[g,h,i]perylene	ND		0.19	0.13	ug/L		04/21/21 14:03	04/23/21 15:32	1
Benzo[k]fluoranthene	ND		0.19	0.096	ug/L		04/21/21 14:03	04/23/21 15:32	1
Chrysene	ND		0.19	0.071	ug/L		04/21/21 14:03	04/23/21 15:32	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		04/21/21 14:03	04/23/21 15:32	1
Fluoranthene	ND		0.19	0.065	ug/L		04/21/21 14:03	04/23/21 15:32	1
Fluorene	ND		0.19	0.11	ug/L		04/21/21 14:03	04/23/21 15:32	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/21/21 14:03	04/23/21 15:32	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/21/21 14:03	04/23/21 15:32	1
2-Methylnaphthalene	ND		0.19	0.058	ug/L		04/21/21 14:03	04/23/21 15:32	1
Phenanthrene	**0.080**	**J**	0.19	0.035	ug/L		04/21/21 14:03	04/23/21 15:32	1
Pyrene	**0.065**	**J**	0.19	0.039	ug/L		04/21/21 14:03	04/23/21 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*15 - 122*	*04/21/21 14:03*	*04/23/21 15:32*	*1*
Nitrobenzene-d5	*32*		*19 - 130*	*04/21/21 14:03*	*04/23/21 15:32*	*1*

Client Sample ID: MW6A-ROX-041421
Date Collected: 04/14/21 13:20
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-7
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*71*		*33 - 138*	*04/21/21 14:03*	*04/23/21 15:32*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	UJ	9.6	3.7	ug/L		04/21/21 14:03	04/22/21 17:46	1
Benzenethiol	ND	*1	9.6	1.6	ug/L		04/21/21 14:03	04/23/21 23:12	1
Benzoic acid	ND		29	7.0	ug/L		04/21/21 14:03	04/22/21 17:46	1
Benzyl alcohol	ND	UJ	9.6	1.9	ug/L		04/21/21 14:03	04/22/21 17:46	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		04/21/21 14:03	04/22/21 17:46	1
Bis(2-chloroethyl)ether	ND		9.6	2.6	ug/L		04/21/21 14:03	04/22/21 17:46	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		04/21/21 14:03	04/22/21 17:46	1
Bis(2-ethylhexyl) phthalate	ND		9.6	4.8	ug/L		04/21/21 14:03	04/22/21 17:46	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		04/21/21 14:03	04/22/21 17:46	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		04/21/21 14:03	04/22/21 17:46	1
4-Chloroaniline	ND		9.6	3.3	ug/L		04/21/21 14:03	04/22/21 17:46	1
4-Chloro-3-methylphenol	ND		9.6	3.7	ug/L		04/21/21 14:03	04/22/21 17:46	1
2-Chloronaphthalene	ND		9.6	0.13	ug/L		04/21/21 14:03	04/22/21 17:46	1
2-Chlorophenol	ND		9.6	2.1	ug/L		04/21/21 14:03	04/22/21 17:46	1
4-Chlorophenyl phenyl ether	ND		9.6	1.9	ug/L		04/21/21 14:03	04/22/21 17:46	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		04/21/21 14:03	04/22/21 17:46	1
Dibenzofuran	ND		9.6	0.16	ug/L		04/21/21 14:03	04/22/21 17:46	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		04/21/21 14:03	04/22/21 17:46	1
2,4-Dichlorophenol	ND		9.6	2.9	ug/L		04/21/21 14:03	04/22/21 17:46	1
Diethyl phthalate	ND		9.6	0.23	ug/L		04/21/21 14:03	04/22/21 17:46	1
2,4-Dimethylphenol	ND		9.6	3.4	ug/L		04/21/21 14:03	04/22/21 17:46	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		04/21/21 14:03	04/22/21 17:46	1
Di-n-butyl phthalate	ND		9.6	2.6	ug/L		04/21/21 14:03	04/22/21 17:46	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		04/21/21 14:03	04/22/21 17:46	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/21/21 14:03	04/22/21 17:46	1
2,4-Dinitrotoluene	ND		9.6	1.8	ug/L		04/21/21 14:03	04/22/21 17:46	1
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		04/21/21 14:03	04/22/21 17:46	1
Di-n-octyl phthalate	ND		9.6	0.16	ug/L		04/21/21 14:03	04/22/21 17:46	1
1,4-Dioxane	ND	UJ	9.6	0.96	ug/L		04/21/21 14:03	04/22/21 17:46	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.96	ug/L		04/21/21 14:03	04/22/21 17:46	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		04/21/21 14:03	04/22/21 17:46	1
Hexachlorocyclopentadiene	ND	UJ	19	2.5	ug/L		04/21/21 14:03	04/22/21 17:46	1
Hexachloroethane	ND		9.6	4.0	ug/L		04/21/21 14:03	04/22/21 17:46	1
Indene	ND		9.6	0.96	ug/L		04/21/21 14:03	04/22/21 17:46	1
Isophorone	ND		9.6	0.13	ug/L		04/21/21 14:03	04/22/21 17:46	1
2-Methylphenol	ND		9.6	1.7	ug/L		04/21/21 14:03	04/22/21 17:46	1
3 & 4 Methylphenol	ND		19	0.38	ug/L		04/21/21 14:03	04/22/21 17:46	1
2-Nitroaniline	ND		9.6	2.1	ug/L		04/21/21 14:03	04/22/21 17:46	1
3-Nitroaniline	ND		9.6	1.7	ug/L		04/21/21 14:03	04/22/21 17:46	1
4-Nitroaniline	ND		9.6	1.4	ug/L		04/21/21 14:03	04/22/21 17:46	1
Nitrobenzene	ND		9.6	0.13	ug/L		04/21/21 14:03	04/22/21 17:46	1
2-Nitrophenol	ND		9.6	5.0	ug/L		04/21/21 14:03	04/22/21 17:46	1
4-Nitrophenol	ND		9.6	2.0	ug/L		04/21/21 14:03	04/22/21 17:46	1
N-Nitrosodimethylamine	ND		9.6	3.4	ug/L		04/21/21 14:03	04/22/21 17:46	1

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

Job ID: 400-202080-1

Client Sample ID: MW6A-ROX-041421
Date Collected: 04/14/21 13:20
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-7
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		9.6	3.2	ug/L		04/21/21 14:03	04/22/21 17:46	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		04/21/21 14:03	04/22/21 17:46	1
Pentachlorophenol	ND		19	1.3	ug/L		04/21/21 14:03	04/22/21 17:46	1
Phenol	ND	UJ	9.6	2.5	ug/L		04/21/21 14:03	04/22/21 17:46	1
Pyridine	ND		9.6	3.1	ug/L		04/21/21 14:03	04/22/21 17:46	1
Quinoline	ND		9.6	4.3	ug/L		04/21/21 14:03	04/22/21 17:46	1
2,4,5-Trichlorophenol	ND		9.6	3.6	ug/L		04/21/21 14:03	04/22/21 17:46	1
2,4,6-Trichlorophenol	ND		9.6	3.4	ug/L		04/21/21 14:03	04/22/21 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*46 - 124*	*04/21/21 14:03*	*04/22/21 17:46*	*1*
2-Fluorophenol	*33*		*13 - 113*	*04/21/21 14:03*	*04/22/21 17:46*	*1*
Nitrobenzene-d5	*52*		*36 - 126*	*04/21/21 14:03*	*04/22/21 17:46*	*1*
Phenol-d5	*44*		*17 - 127*	*04/21/21 14:03*	*04/22/21 17:46*	*1*
Terphenyl-d14	*62*		*44 - 149*	*04/21/21 14:03*	*04/22/21 17:46*	*1*
2,4,6-Tribromophenol	*85*		*26 - 150*	*04/21/21 14:03*	*04/22/21 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		0.028	0.0052	ug/L		04/22/21 11:01	04/22/21 18:40	1
1,2-Dibromoethane	ND		0.019	0.0047	ug/L		04/22/21 11:01	04/22/21 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*	*p*	*51 - 149*	*04/22/21 11:01*	*04/22/21 18:40*	*1*

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

Job ID: 400-202080-1

Client Sample ID: TB-ROX-041421-8011-B
Date Collected: 04/14/21 00:00
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-8
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		0.028	0.0052	ug/L		04/22/21 11:01	04/22/21 19:00	1
1,2-Dibromoethane	ND		0.019	0.0047	ug/L		04/22/21 11:01	04/22/21 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*	*p*	*51 - 149*	*04/22/21 11:01*	*04/22/21 19:00*	*1*

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

Job ID: 400-202080-1

Client Sample ID: TB-ROX-041421-8260-B
Date Collected: 04/14/21 00:00
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-9
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			04/28/21 18:24	1
Acrolein	ND		20	10	ug/L			04/28/21 18:24	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/21 18:24	1
Benzene	ND		1.0	0.38	ug/L			04/28/21 18:24	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/21 18:24	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/21 18:24	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/21 18:24	1
Bromoform	ND		5.0	0.71	ug/L			04/28/21 18:24	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/21 18:24	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/21 18:24	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/21 18:24	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/28/21 18:24	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/28/21 18:24	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/28/21 18:24	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/21 18:24	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/21 18:24	1
Chloroform	ND		1.0	0.60	ug/L			04/28/21 18:24	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/28/21 18:24	1
Chloromethane	ND		1.0	0.83	ug/L			04/28/21 18:24	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 18:24	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 18:24	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/21 18:24	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/21 18:24	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/21 18:24	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/21 18:24	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 18:24	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 18:24	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 18:24	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 18:24	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 18:24	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 18:24	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/28/21 18:24	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/21 18:24	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/21 18:24	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/21 18:24	1
2-Hexanone	ND		25	3.1	ug/L			04/28/21 18:24	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/21 18:24	1
Methylene bromide	ND		5.0	0.59	ug/L			04/28/21 18:24	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/21 18:24	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/21 18:24	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/28/21 18:24	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/28/21 18:24	1
Naphthalene	ND		1.0	1.0	ug/L			04/28/21 18:24	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/21 18:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/21 18:24	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/21 18:24	1
o-Xylene	ND		5.0	0.60	ug/L			04/28/21 18:24	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/21 18:24	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/21 18:24	1

Client Sample ID: TB-ROX-041421-8260-B
Date Collected: 04/14/21 00:00
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-9
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			04/28/21 18:24	1
Styrene	ND		1.0	1.0	ug/L			04/28/21 18:24	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/21 18:24	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/28/21 18:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/21 18:24	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/28/21 18:24	1
Toluene	ND		1.0	0.41	ug/L			04/28/21 18:24	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 18:24	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 18:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/28/21 18:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/21 18:24	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/28/21 18:24	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/28/21 18:24	1
Trichloroethene	ND		1.0	0.50	ug/L			04/28/21 18:24	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/28/21 18:24	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/21 18:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/21 18:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/21 18:24	1
Vinyl acetate	ND		25	2.0	ug/L			04/28/21 18:24	1
Vinyl chloride	ND	*+	1.0	0.50	ug/L			04/28/21 18:24	1
Xylenes, Total	ND		10	1.6	ug/L			04/28/21 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*04/28/21 18:24*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*04/28/21 18:24*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/28/21 18:24*	*1*

Client Sample ID: P58-ROX-041421
Date Collected: 04/14/21 09:25
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		13000	5000	ug/L			04/28/21 23:46	500
Acrolein	ND		10000	5000	ug/L			04/28/21 23:46	500
Acrylonitrile	ND		5000	1400	ug/L			04/28/21 23:46	500
Benzene	110000		500	190	ug/L			04/28/21 23:46	500
Bromobenzene	ND		500	270	ug/L			04/28/21 23:46	500
Bromochloromethane	ND		500	260	ug/L			04/28/21 23:46	500
Bromodichloromethane	ND		500	250	ug/L			04/28/21 23:46	500
Bromoform	ND		2500	360	ug/L			04/28/21 23:46	500
Bromomethane	ND		500	490	ug/L			04/28/21 23:46	500
2-Butanone (MEK)	ND		13000	1300	ug/L			04/28/21 23:46	500
Carbon disulfide	ND		500	250	ug/L			04/28/21 23:46	500
Carbon tetrachloride	ND		500	250	ug/L			04/28/21 23:46	500
Chlorobenzene	ND		500	250	ug/L			04/28/21 23:46	500
Dibromochloromethane	ND		500	250	ug/L			04/28/21 23:46	500
Chloroethane	ND		500	380	ug/L			04/28/21 23:46	500
2-Chloroethyl vinyl ether	ND		2500	1000	ug/L			04/28/21 23:46	500
Chloroform	ND		500	300	ug/L			04/28/21 23:46	500
1-Chlorohexane	ND		500	350	ug/L			04/28/21 23:46	500
Chloromethane	ND		500	420	ug/L			04/28/21 23:46	500
cis-1,2-Dichloroethene	ND		500	250	ug/L			04/28/21 23:46	500
cis-1,3-Dichloropropene	ND		2500	250	ug/L			04/28/21 23:46	500
1,2-Dichlorobenzene	ND		500	250	ug/L			04/28/21 23:46	500
1,3-Dichlorobenzene	ND		500	270	ug/L			04/28/21 23:46	500
1,4-Dichlorobenzene	ND		500	320	ug/L			04/28/21 23:46	500
Dichlorodifluoromethane	ND		500	430	ug/L			04/28/21 23:46	500
1,1-Dichloroethane	ND		500	250	ug/L			04/28/21 23:46	500
1,2-Dichloroethane	ND		500	250	ug/L			04/28/21 23:46	500
1,1-Dichloroethene	ND		500	250	ug/L			04/28/21 23:46	500
1,2-Dichloropropane	ND		500	250	ug/L			04/28/21 23:46	500
1,3-Dichloropropane	ND		500	250	ug/L			04/28/21 23:46	500
2,2-Dichloropropane	ND		500	250	ug/L			04/28/21 23:46	500
1,1-Dichloropropene	ND		500	250	ug/L			04/28/21 23:46	500
Ethylbenzene	ND		500	250	ug/L			04/28/21 23:46	500
Ethyl methacrylate	ND		500	300	ug/L			04/28/21 23:46	500
Hexachlorobutadiene	ND		2500	450	ug/L			04/28/21 23:46	500
2-Hexanone	ND		13000	1600	ug/L			04/28/21 23:46	500
Isopropylbenzene	ND		500	270	ug/L			04/28/21 23:46	500
Methylene bromide	ND		2500	300	ug/L			04/28/21 23:46	500
Methylene Chloride	ND		2500	1500	ug/L			04/28/21 23:46	500
4-Methyl-2-pentanone (MIBK)	ND		13000	900	ug/L			04/28/21 23:46	500
Methyl tert-butyl ether	ND		500	370	ug/L			04/28/21 23:46	500
m-Xylene & p-Xylene	ND		2500	800	ug/L			04/28/21 23:46	500
Naphthalene	ND		500	500	ug/L			04/28/21 23:46	500
n-Butylbenzene	ND		500	380	ug/L			04/28/21 23:46	500
N-Propylbenzene	ND		500	350	ug/L			04/28/21 23:46	500
o-Chlorotoluene	ND		500	290	ug/L			04/28/21 23:46	500
o-Xylene	ND		2500	300	ug/L			04/28/21 23:46	500
p-Chlorotoluene	ND		500	280	ug/L			04/28/21 23:46	500
p-Isopropyltoluene	ND		500	360	ug/L			04/28/21 23:46	500

Client Sample ID: P58-ROX-041421

Date Collected: 04/14/21 09:25
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-10

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		500	350	ug/L			04/28/21 23:46	500
Styrene	ND		500	500	ug/L			04/28/21 23:46	500
tert-Butylbenzene	ND		500	320	ug/L			04/28/21 23:46	500
1,1,1,2-Tetrachloroethane	ND		500	260	ug/L			04/28/21 23:46	500
1,1,2,2-Tetrachloroethane	ND		500	250	ug/L			04/28/21 23:46	500
Tetrachloroethene	ND		500	290	ug/L			04/28/21 23:46	500
Toluene	ND		500	210	ug/L			04/28/21 23:46	500
trans-1,2-Dichloroethene	ND		500	250	ug/L			04/28/21 23:46	500
trans-1,3-Dichloropropene	ND		2500	250	ug/L			04/28/21 23:46	500
1,2,3-Trichlorobenzene	ND		500	350	ug/L			04/28/21 23:46	500
1,2,4-Trichlorobenzene	ND		500	410	ug/L			04/28/21 23:46	500
1,1,1-Trichloroethane	ND		500	250	ug/L			04/28/21 23:46	500
1,1,2-Trichloroethane	ND		2500	250	ug/L			04/28/21 23:46	500
Trichloroethene	ND		500	250	ug/L			04/28/21 23:46	500
Trichlorofluoromethane	ND		500	260	ug/L			04/28/21 23:46	500
1,2,3-Trichloropropane	ND		2500	420	ug/L			04/28/21 23:46	500
1,2,4-Trimethylbenzene	ND		500	410	ug/L			04/28/21 23:46	500
1,3,5-Trimethylbenzene	ND		500	280	ug/L			04/28/21 23:46	500
Vinyl acetate	ND		13000	1000	ug/L			04/28/21 23:46	500
Vinyl chloride	ND	*+	500	250	ug/L			04/28/21 23:46	500
Xylenes, Total	ND		5000	800	ug/L			04/28/21 23:46	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*78 - 118*		*04/28/21 23:46*	*500*
Dibromofluoromethane	*100*		*81 - 121*		*04/28/21 23:46*	*500*
Toluene-d8 (Surr)	*90*		*80 - 120*		*04/28/21 23:46*	*500*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.94		0.21	0.033	ug/L		04/21/21 14:03	04/23/21 15:48	1
Acenaphthylene	0.32		0.21	0.047	ug/L		04/21/21 14:03	04/23/21 15:48	1
Anthracene	ND		0.21	0.033	ug/L		04/21/21 14:03	04/23/21 15:48	1
Benzo[a]anthracene	0.33		0.21	0.048	ug/L		04/21/21 14:03	04/23/21 15:48	1
Benzo[a]pyrene	0.30		0.21	0.044	ug/L		04/21/21 14:03	04/23/21 15:48	1
Benzo[b]fluoranthene	0.17	J	0.21	0.036	ug/L		04/21/21 14:03	04/23/21 15:48	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		04/21/21 14:03	04/23/21 15:48	1
Benzo[k]fluoranthene	ND		0.21	0.10	ug/L		04/21/21 14:03	04/23/21 15:48	1
Chrysene	0.54		0.21	0.077	ug/L		04/21/21 14:03	04/23/21 15:48	1
Dibenz(a,h)anthracene	0.089	J	0.21	0.052	ug/L		04/21/21 14:03	04/23/21 15:48	1
Fluoranthene	0.30		0.21	0.071	ug/L		04/21/21 14:03	04/23/21 15:48	1
Fluorene	2.2		0.21	0.11	ug/L		04/21/21 14:03	04/23/21 15:48	1
Indeno[1,2,3-cd]pyrene	0.065	J	0.21	0.045	ug/L		04/21/21 14:03	04/23/21 15:48	1
1-Methylnaphthalene	49		0.21	0.077	ug/L		04/21/21 14:03	04/23/21 15:48	1
2-Methylnaphthalene	15		0.21	0.063	ug/L		04/21/21 14:03	04/23/21 15:48	1
Phenanthrene	1.7		0.21	0.038	ug/L		04/21/21 14:03	04/23/21 15:48	1
Pyrene	1.2		0.21	0.042	ug/L		04/21/21 14:03	04/23/21 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*15 - 122*	*04/21/21 14:03*	*04/23/21 15:48*	*1*
Nitrobenzene-d5	*40*		*19 - 130*	*04/21/21 14:03*	*04/23/21 15:48*	*1*

Client Sample ID: P58-ROX-041421
Date Collected: 04/14/21 09:25
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-10
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*73*		*33 - 138*	*04/21/21 14:03*	*04/23/21 15:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	UJ	10	4.0	ug/L		04/21/21 14:03	04/22/21 18:11	1
Benzenethiol	ND	*1	10	1.8	ug/L		04/21/21 14:03	04/23/21 23:34	1
Benzoic acid	ND		31	7.6	ug/L		04/21/21 14:03	04/22/21 18:11	1
Benzyl alcohol	ND	UJ	10	2.1	ug/L		04/21/21 14:03	04/22/21 18:11	1
Bis(2-chloroethoxy)methane	ND		10	0.17	ug/L		04/21/21 14:03	04/22/21 18:11	1
Bis(2-chloroethyl)ether	ND		10	2.8	ug/L		04/21/21 14:03	04/22/21 18:11	1
bis (2-chloroisopropyl) ether	ND		10	0.17	ug/L		04/21/21 14:03	04/22/21 18:11	1
Bis(2-ethylhexyl) phthalate	ND		10	5.2	ug/L		04/21/21 14:03	04/22/21 18:11	1
4-Bromophenyl phenyl ether	ND		10	0.21	ug/L		04/21/21 14:03	04/22/21 18:11	1
Butyl benzyl phthalate	ND		10	0.20	ug/L		04/21/21 14:03	04/22/21 18:11	1
4-Chloroaniline	ND		10	3.6	ug/L		04/21/21 14:03	04/22/21 18:11	1
4-Chloro-3-methylphenol	ND		10	4.0	ug/L		04/21/21 14:03	04/22/21 18:11	1
2-Chloronaphthalene	ND		10	0.15	ug/L		04/21/21 14:03	04/22/21 18:11	1
2-Chlorophenol	ND		10	2.3	ug/L		04/21/21 14:03	04/22/21 18:11	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		04/21/21 14:03	04/22/21 18:11	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/21/21 14:03	04/22/21 18:11	1
Dibenzofuran	**2.4**	**J**	10	0.18	ug/L		04/21/21 14:03	04/22/21 18:11	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		04/21/21 14:03	04/22/21 18:11	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		04/21/21 14:03	04/22/21 18:11	1
Diethyl phthalate	ND		10	0.25	ug/L		04/21/21 14:03	04/22/21 18:11	1
2,4-Dimethylphenol	ND		10	3.7	ug/L		04/21/21 14:03	04/22/21 18:11	1
Dimethyl phthalate	ND		10	0.18	ug/L		04/21/21 14:03	04/22/21 18:11	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		04/21/21 14:03	04/22/21 18:11	1
4,6-Dinitro-ortho-cresol	ND		10	1.7	ug/L		04/21/21 14:03	04/22/21 18:11	1
2,4-Dinitrophenol	ND		31	3.6	ug/L		04/21/21 14:03	04/22/21 18:11	1
2,4-Dinitrotoluene	ND		10	2.0	ug/L		04/21/21 14:03	04/22/21 18:11	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		04/21/21 14:03	04/22/21 18:11	1
Di-n-octyl phthalate	ND		10	0.18	ug/L		04/21/21 14:03	04/22/21 18:11	1
1,4-Dioxane	ND	UJ	10	1.0	ug/L		04/21/21 14:03	04/22/21 18:11	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/21/21 14:03	04/22/21 18:11	1
Hexachlorobenzene	ND		10	0.18	ug/L		04/21/21 14:03	04/22/21 18:11	1
Hexachlorocyclopentadiene	ND	UJ	21	2.7	ug/L		04/21/21 14:03	04/22/21 18:11	1
Hexachloroethane	ND		10	4.4	ug/L		04/21/21 14:03	04/22/21 18:11	1
Indene	ND		10	1.0	ug/L		04/21/21 14:03	04/22/21 18:11	1
Isophorone	ND		10	0.15	ug/L		04/21/21 14:03	04/22/21 18:11	1
2-Methylphenol	ND		10	1.9	ug/L		04/21/21 14:03	04/22/21 18:11	1
3 & 4 Methylphenol	ND		21	0.41	ug/L		04/21/21 14:03	04/22/21 18:11	1
2-Nitroaniline	ND		10	2.3	ug/L		04/21/21 14:03	04/22/21 18:11	1
3-Nitroaniline	ND		10	1.9	ug/L		04/21/21 14:03	04/22/21 18:11	1
4-Nitroaniline	ND		10	1.6	ug/L		04/21/21 14:03	04/22/21 18:11	1
Nitrobenzene	ND		10	0.14	ug/L		04/21/21 14:03	04/22/21 18:11	1
2-Nitrophenol	ND		10	5.4	ug/L		04/21/21 14:03	04/22/21 18:11	1
4-Nitrophenol	ND		10	2.2	ug/L		04/21/21 14:03	04/22/21 18:11	1
N-Nitrosodimethylamine	ND		10	3.7	ug/L		04/21/21 14:03	04/22/21 18:11	1

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

Job ID: 400-202080-1

Client Sample ID: P58-ROX-041421
Date Collected: 04/14/21 09:25
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-10
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		10	3.4	ug/L		04/21/21 14:03	04/22/21 18:11	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/21/21 14:03	04/22/21 18:11	1
Pentachlorophenol	ND		21	1.5	ug/L		04/21/21 14:03	04/22/21 18:11	1
Pyridine	ND		10	3.3	ug/L		04/21/21 14:03	04/22/21 18:11	1
Quinoline	ND		10	4.7	ug/L		04/21/21 14:03	04/22/21 18:11	1
2,4,5-Trichlorophenol	ND		10	3.9	ug/L		04/21/21 14:03	04/22/21 18:11	1
2,4,6-Trichlorophenol	ND		10	3.7	ug/L		04/21/21 14:03	04/22/21 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*46 - 124*	*04/21/21 14:03*	*04/22/21 18:11*	*1*
2-Fluorophenol	*37*		*13 - 113*	*04/21/21 14:03*	*04/22/21 18:11*	*1*
Nitrobenzene-d5	*60*		*36 - 126*	*04/21/21 14:03*	*04/22/21 18:11*	*1*
Phenol-d5	*57*		*17 - 127*	*04/21/21 14:03*	*04/22/21 18:11*	*1*
Terphenyl-d14	*72*		*44 - 149*	*04/21/21 14:03*	*04/22/21 18:11*	*1*
2,4,6-Tribromophenol	*109*		*26 - 150*	*04/21/21 14:03*	*04/22/21 18:11*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	700		52	14	ug/L		04/21/21 14:03	04/23/21 16:08	5

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	0.0052	ug/L		04/22/21 11:01	04/22/21 19:20	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		04/22/21 11:01	04/22/21 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*	*p*	*51 - 149*	*04/22/21 11:01*	*04/22/21 19:20*	*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
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
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.

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: 400-202080-1

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)
400-202080-1	TB-ROX-041421-8260-A	86	100	90
400-202080-3	MW5-ROX-041421	86	100	91
400-202080-4	MW6B-ROX-041421	85	99	90
400-202080-5	MW6C-ROX-041421	89	100	92
400-202080-5 MS	MW6C-ROX-041421	87	102	93
400-202080-5 MSD	MW6C-ROX-041421	86	101	93
400-202080-6	MW6D-ROX-041421	88	99	90
400-202080-7	MW6A-ROX-041421	87	99	91
400-202080-9	TB-ROX-041421-8260-B	87	99	92
400-202080-10	P58-ROX-041421	85	100	90
LCS 400-529536/1002	Lab Control Sample	89	102	93
MB 400-529536/4	Method Blank	85	98	92

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)
400-202080-3	MW5-ROX-041421	92	46	84	82	107	94
400-202080-4	MW6B-ROX-041421	75	29	55	44	80	89
400-202080-5	MW6C-ROX-041421	82	38	58	51	82	90
400-202080-5 MS	MW6C-ROX-041421	99	42	76	59	92	110
400-202080-5 MSD	MW6C-ROX-041421	99	49	71	59	98	107
400-202080-6	MW6D-ROX-041421	87	0.4 S1-	60	4 S1-	91	4 S1-
400-202080-6 - RERA	MW6D-ROX-041421	80	28	69	62	104	91
400-202080-7	MW6A-ROX-041421	74	33	52	44	62	85
400-202080-10	P58-ROX-041421	78	37	60	57	72	109
LCS 400-528560/2-A	Lab Control Sample	85	51	80	84	116	111
LCS 400-528560/4-A	Lab Control Sample	58	22	58	51	103	75
LCS 400-529480/2-A - RERA	Lab Control Sample	75	46	70	70	93	101
LCS 400-529480/3-A	Lab Control Sample	67	26	58	53	89	61
LCSD 400-528560/5-A	Lab Control Sample Dup	61	13	60	41	110	67
LCSD 400-529480/4-A	Lab Control Sample Dup	81	45	69	73	107	75
MB 400-528560/1-A	Method Blank	89	66	82	87	110	78
MB 400-529480/1-A	Method Blank	81	10 S1-	67	50	109	72

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: 400-202080-1

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)
400-202080-3	MW5-ROX-041421	86	32	89
400-202080-4	MW6B-ROX-041421	79	29	84
400-202080-5	MW6C-ROX-041421	83	32	87
400-202080-5 MS	MW6C-ROX-041421	85	26	87
400-202080-5 MSD	MW6C-ROX-041421	87	25	88
400-202080-6	MW6D-ROX-041421	91	32	96
400-202080-7	MW6A-ROX-041421	79	32	71
400-202080-10	P58-ROX-041421	76	40	73
LCS 400-528560/2-A	Lab Control Sample	86	27	90
MB 400-528560/1-A	Method Blank	76	28	83

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)
400-202080-2	TB-ROX-041421-8011-A	97 p
400-202080-3	MW5-ROX-041421	108 p
400-202080-4	MW6B-ROX-041421	112 p
400-202080-5	MW6C-ROX-041421	94 p
400-202080-5 MS	MW6C-ROX-041421	112 p
400-202080-5 MSD	MW6C-ROX-041421	109 p
400-202080-6	MW6D-ROX-041421	84 p
400-202080-7	MW6A-ROX-041421	87 p
400-202080-8	TB-ROX-041421-8011-B	103 p
400-202080-10	P58-ROX-041421	98 p
LCS 400-528706/2-A	Lab Control Sample	108
MB 400-528706/1-A	Method Blank	109

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

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

Job ID: 400-202080-1

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-041421-8260-A

Lab Sample ID: 400-202080-1

Date Collected: 04/14/21 00:00
Date Received: 04/15/21 10:05

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	529536	04/28/21 17:59	BEP	TAL PEN

Client Sample ID: TB-ROX-041421-8011-A

Lab Sample ID: 400-202080-2

Date Collected: 04/14/21 00:00
Date Received: 04/15/21 10:05

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			36.7 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 16:00	DS	TAL PEN

Client Sample ID: MW5-ROX-041421

Lab Sample ID: 400-202080-3

Date Collected: 04/14/21 08:45
Date Received: 04/15/21 10:05

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	529536	04/28/21 22:07	BEP	TAL PEN
Total/NA	Prep	3520C			256.8 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528893	04/23/21 15:58	S1B	TAL PEN
Total/NA	Prep	3520C			256.8 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528844	04/23/21 14:45	PP1	TAL PEN
Total/NA	Prep	8011			38.1 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 16:20	DS	TAL PEN

Client Sample ID: MW6B-ROX-041421

Lab Sample ID: 400-202080-4

Date Collected: 04/14/21 09:30
Date Received: 04/15/21 10:05

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	529536	04/28/21 22:31	BEP	TAL PEN
Total/NA	Prep	3520C			260.4 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528754	04/22/21 16:54	S1B	TAL PEN
Total/NA	Prep	3520C			260.4 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/23/21 22:04	VC1	TAL PEN
Total/NA	Prep	3520C			260.4 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528844	04/23/21 15:01	PP1	TAL PEN
Total/NA	Prep	8011			37.5 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 16:40	DS	TAL PEN

Client Sample ID: MW6C-ROX-041421

Lab Sample ID: 400-202080-5

Date Collected: 04/14/21 10:10
Date Received: 04/15/21 10:05

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	529536	04/28/21 15:55	BEP	TAL PEN

Client Sample ID: MW6C-ROX-041421

Date Collected: 04/14/21 10:10
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-5
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			255.6 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528754	04/22/21 16:29	S1B	TAL PEN
Total/NA	Prep	3520C			255.6 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/23/21 22:26	VC1	TAL PEN
Total/NA	Prep	3520C			255.6 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528844	04/23/21 14:30	PP1	TAL PEN
Total/NA	Prep	8011			37.7 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 17:00	DS	TAL PEN

Client Sample ID: MW6D-ROX-041421

Date Collected: 04/14/21 12:20
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-6
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	529536	04/28/21 22:56	BEP	TAL PEN
Total/NA	Prep	3520C	RERA		263.6 mL	1 mL	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529667	04/29/21 23:22	VC1	TAL PEN
Total/NA	Prep	3520C			256.2 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528754	04/22/21 17:20	S1B	TAL PEN
Total/NA	Prep	3520C			256.2 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/23/21 22:49	VC1	TAL PEN
Total/NA	Prep	3520C			256.2 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528844	04/23/21 15:17	PP1	TAL PEN
Total/NA	Prep	8011			37.3 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 18:20	DS	TAL PEN

Client Sample ID: MW6A-ROX-041421

Date Collected: 04/14/21 13:20
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	529536	04/28/21 23:21	BEP	TAL PEN
Total/NA	Prep	3520C			259.6 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528754	04/22/21 17:46	S1B	TAL PEN
Total/NA	Prep	3520C			259.6 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/23/21 23:12	VC1	TAL PEN
Total/NA	Prep	3520C			259.6 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528844	04/23/21 15:32	PP1	TAL PEN
Total/NA	Prep	8011			36.9 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 18:40	DS	TAL PEN

Client Sample ID: TB-ROX-041421-8011-B

Lab Sample ID: 400-202080-8

Date Collected: 04/14/21 00:00
Date Received: 04/15/21 10:05

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			37.2 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 19:00	DS	TAL PEN

Client Sample ID: TB-ROX-041421-8260-B

Lab Sample ID: 400-202080-9

Date Collected: 04/14/21 00:00
Date Received: 04/15/21 10:05

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	529536	04/28/21 18:24	BEP	TAL PEN

Client Sample ID: P58-ROX-041421

Lab Sample ID: 400-202080-10

Date Collected: 04/14/21 09:25
Date Received: 04/15/21 10:05

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		500	5 mL	5 mL	529536	04/28/21 23:46	BEP	TAL PEN
Total/NA	Prep	3520C			239.4 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528754	04/22/21 18:11	S1B	TAL PEN
Total/NA	Prep	3520C	DL		239.4 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D	DL	5			528902	04/23/21 16:08	S1B	TAL PEN
Total/NA	Prep	3520C			239.4 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/23/21 23:34	VC1	TAL PEN
Total/NA	Prep	3520C			239.4 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528844	04/23/21 15:48	PP1	TAL PEN
Total/NA	Prep	8011			36.8 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 19:20	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528560/1-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	528560	04/21/21 14:02	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528893	04/23/21 15:36	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	528560	04/21/21 14:02	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528844	04/23/21 13:28	PP1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528706/1-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	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 14:41	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-529480/1-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	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529667	04/29/21 15:51	VC1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-529536/4

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	529536	04/28/21 15:31	BEP	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-528560/2-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	528560	04/21/21 14:02	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528701	04/22/21 22:27	VC1	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	528560	04/21/21 14:02	HMW	TAL PEN
Total/NA	Analysis	8270D LL		5			528844	04/23/21 13:43	PP1	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-528560/4-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	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/23/21 21:19	VC1	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-528706/2-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	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 15:00	DS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-529480/2-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	RERA		250 mL	1 mL	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D	RERA	1			529667	04/29/21 17:39	VC1	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-529480/3-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	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529667	04/29/21 16:12	VC1	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-529536/1002
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	529536	04/28/21 14:32	BEP	TAL PEN

Client Sample ID: Lab Control Sample Dup

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-528560/5-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	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/23/21 21:41	VC1	TAL PEN

Client Sample ID: Lab Control Sample Dup

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-529480/4-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			250 mL	1 mL	529480	04/28/21 10:20	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529667	04/29/21 16:34	VC1	TAL PEN

Client Sample ID: MW6C-ROX-041421

Date Collected: 04/14/21 10:10
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-5 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	529536	04/28/21 16:20	BEP	TAL PEN
Total/NA	Prep	3520C			257.4 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528754	04/22/21 15:37	S1B	TAL PEN
Total/NA	Prep	3520C			257.4 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D LL		5			528844	04/23/21 13:59	PP1	TAL PEN
Total/NA	Prep	8011			37.2 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 17:20	DS	TAL PEN

Client Sample ID: MW6C-ROX-041421

Date Collected: 04/14/21 10:10
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-5 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	529536	04/28/21 16:45	BEP	TAL PEN

Lab Chronicle

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

Job ID: 400-202080-1

Client Sample ID: MW6C-ROX-041421
Date Collected: 04/14/21 10:10
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202080-5 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	3520C			260 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528754	04/22/21 16:03	S1B	TAL PEN
Total/NA	Prep	3520C			260 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D LL		5			528844	04/23/21 14:14	PP1	TAL PEN
Total/NA	Prep	8011			36.1 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 17:40	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: 529536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202080-1	TB-ROX-041421-8260-A	Total/NA	Water	8260B	
400-202080-3	MW5-ROX-041421	Total/NA	Water	8260B	
400-202080-4	MW6B-ROX-041421	Total/NA	Water	8260B	
400-202080-5	MW6C-ROX-041421	Total/NA	Water	8260B	
400-202080-6	MW6D-ROX-041421	Total/NA	Water	8260B	
400-202080-7	MW6A-ROX-041421	Total/NA	Water	8260B	
400-202080-9	TB-ROX-041421-8260-B	Total/NA	Water	8260B	
400-202080-10	P58-ROX-041421	Total/NA	Water	8260B	
MB 400-529536/4	Method Blank	Total/NA	Water	8260B	
LCS 400-529536/1002	Lab Control Sample	Total/NA	Water	8260B	
400-202080-5 MS	MW6C-ROX-041421	Total/NA	Water	8260B	
400-202080-5 MSD	MW6C-ROX-041421	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 528560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202080-3	MW5-ROX-041421	Total/NA	Water	3520C	
400-202080-4	MW6B-ROX-041421	Total/NA	Water	3520C	
400-202080-5	MW6C-ROX-041421	Total/NA	Water	3520C	
400-202080-6	MW6D-ROX-041421	Total/NA	Water	3520C	
400-202080-7	MW6A-ROX-041421	Total/NA	Water	3520C	
400-202080-10	P58-ROX-041421	Total/NA	Water	3520C	
400-202080-10 - DL	P58-ROX-041421	Total/NA	Water	3520C	
MB 400-528560/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-528560/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-528560/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-528560/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	
400-202080-5 MS	MW6C-ROX-041421	Total/NA	Water	3520C	
400-202080-5 MSD	MW6C-ROX-041421	Total/NA	Water	3520C	

Analysis Batch: 528701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-528560/2-A	Lab Control Sample	Total/NA	Water	8270D	528560

Analysis Batch: 528754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202080-4	MW6B-ROX-041421	Total/NA	Water	8270D	528560
400-202080-5	MW6C-ROX-041421	Total/NA	Water	8270D	528560
400-202080-6	MW6D-ROX-041421	Total/NA	Water	8270D	528560
400-202080-7	MW6A-ROX-041421	Total/NA	Water	8270D	528560
400-202080-10	P58-ROX-041421	Total/NA	Water	8270D	528560
400-202080-5 MS	MW6C-ROX-041421	Total/NA	Water	8270D	528560
400-202080-5 MSD	MW6C-ROX-041421	Total/NA	Water	8270D	528560

Analysis Batch: 528844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202080-3	MW5-ROX-041421	Total/NA	Water	8270D LL	528560
400-202080-4	MW6B-ROX-041421	Total/NA	Water	8270D LL	528560
400-202080-5	MW6C-ROX-041421	Total/NA	Water	8270D LL	528560
400-202080-6	MW6D-ROX-041421	Total/NA	Water	8270D LL	528560

GC/MS Semi VOA (Continued)

Analysis Batch: 528844 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202080-7	MW6A-ROX-041421	Total/NA	Water	8270D LL	528560
400-202080-10	P58-ROX-041421	Total/NA	Water	8270D LL	528560
MB 400-528560/1-A	Method Blank	Total/NA	Water	8270D LL	528560
LCS 400-528560/2-A	Lab Control Sample	Total/NA	Water	8270D LL	528560
400-202080-5 MS	MW6C-ROX-041421	Total/NA	Water	8270D LL	528560
400-202080-5 MSD	MW6C-ROX-041421	Total/NA	Water	8270D LL	528560

Analysis Batch: 528893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202080-3	MW5-ROX-041421	Total/NA	Water	8270D	528560
MB 400-528560/1-A	Method Blank	Total/NA	Water	8270D	528560

Analysis Batch: 528896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202080-4	MW6B-ROX-041421	Total/NA	Water	8270D	528560
400-202080-5	MW6C-ROX-041421	Total/NA	Water	8270D	528560
400-202080-6	MW6D-ROX-041421	Total/NA	Water	8270D	528560
400-202080-7	MW6A-ROX-041421	Total/NA	Water	8270D	528560
400-202080-10	P58-ROX-041421	Total/NA	Water	8270D	528560
LCS 400-528560/4-A	Lab Control Sample	Total/NA	Water	8270D	528560
LCSD 400-528560/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	528560

Analysis Batch: 528902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202080-10 - DL	P58-ROX-041421	Total/NA	Water	8270D	528560

Prep Batch: 529480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202080-6 - RERA	MW6D-ROX-041421	Total/NA	Water	3520C	
MB 400-529480/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-529480/2-A - RERA	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-529480/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-529480/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 529667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202080-6 - RERA	MW6D-ROX-041421	Total/NA	Water	8270D	529480
MB 400-529480/1-A	Method Blank	Total/NA	Water	8270D	529480
LCS 400-529480/2-A - RERA	Lab Control Sample	Total/NA	Water	8270D	529480
LCS 400-529480/3-A	Lab Control Sample	Total/NA	Water	8270D	529480
LCSD 400-529480/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	529480

GC Semi VOA

Prep Batch: 528706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202080-2	TB-ROX-041421-8011-A	Total/NA	Water	8011	
400-202080-3	MW5-ROX-041421	Total/NA	Water	8011	
400-202080-4	MW6B-ROX-041421	Total/NA	Water	8011	
400-202080-5	MW6C-ROX-041421	Total/NA	Water	8011	
400-202080-6	MW6D-ROX-041421	Total/NA	Water	8011	

GC Semi VOA (Continued)

Prep Batch: 528706 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202080-7	MW6A-ROX-041421	Total/NA	Water	8011	
400-202080-8	TB-ROX-041421-8011-B	Total/NA	Water	8011	
400-202080-10	P58-ROX-041421	Total/NA	Water	8011	
MB 400-528706/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-528706/2-A	Lab Control Sample	Total/NA	Water	8011	
400-202080-5 MS	MW6C-ROX-041421	Total/NA	Water	8011	
400-202080-5 MSD	MW6C-ROX-041421	Total/NA	Water	8011	

Analysis Batch: 528733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202080-2	TB-ROX-041421-8011-A	Total/NA	Water	8011	528706
400-202080-3	MW5-ROX-041421	Total/NA	Water	8011	528706
400-202080-4	MW6B-ROX-041421	Total/NA	Water	8011	528706
400-202080-5	MW6C-ROX-041421	Total/NA	Water	8011	528706
400-202080-6	MW6D-ROX-041421	Total/NA	Water	8011	528706
400-202080-7	MW6A-ROX-041421	Total/NA	Water	8011	528706
400-202080-8	TB-ROX-041421-8011-B	Total/NA	Water	8011	528706
400-202080-10	P58-ROX-041421	Total/NA	Water	8011	528706
MB 400-528706/1-A	Method Blank	Total/NA	Water	8011	528706
LCS 400-528706/2-A	Lab Control Sample	Total/NA	Water	8011	528706
400-202080-5 MS	MW6C-ROX-041421	Total/NA	Water	8011	528706
400-202080-5 MSD	MW6C-ROX-041421	Total/NA	Water	8011	528706

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-529536/4
Matrix: Water
Analysis Batch: 529536

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			04/28/21 15:31	1
Acrolein	ND		20	10	ug/L			04/28/21 15:31	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/21 15:31	1
Benzene	ND		1.0	0.38	ug/L			04/28/21 15:31	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/21 15:31	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/21 15:31	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/21 15:31	1
Bromoform	ND		5.0	0.71	ug/L			04/28/21 15:31	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/21 15:31	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/21 15:31	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/21 15:31	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/28/21 15:31	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/28/21 15:31	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/28/21 15:31	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/21 15:31	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/21 15:31	1
Chloroform	ND		1.0	0.60	ug/L			04/28/21 15:31	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/28/21 15:31	1
Chloromethane	ND		1.0	0.83	ug/L			04/28/21 15:31	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 15:31	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 15:31	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/21 15:31	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/21 15:31	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/21 15:31	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/21 15:31	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 15:31	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 15:31	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 15:31	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 15:31	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 15:31	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 15:31	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/28/21 15:31	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/21 15:31	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/21 15:31	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/21 15:31	1
2-Hexanone	ND		25	3.1	ug/L			04/28/21 15:31	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/21 15:31	1
Methylene bromide	ND		5.0	0.59	ug/L			04/28/21 15:31	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/21 15:31	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/21 15:31	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/28/21 15:31	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/28/21 15:31	1
Naphthalene	ND		1.0	1.0	ug/L			04/28/21 15:31	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/21 15:31	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/21 15:31	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/21 15:31	1
o-Xylene	ND		5.0	0.60	ug/L			04/28/21 15:31	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/21 15:31	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-529536/4
Matrix: Water
Analysis Batch: 529536

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			04/28/21 15:31	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/28/21 15:31	1
Styrene	ND		1.0	1.0	ug/L			04/28/21 15:31	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/21 15:31	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/28/21 15:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/21 15:31	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/28/21 15:31	1
Toluene	ND		1.0	0.41	ug/L			04/28/21 15:31	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 15:31	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 15:31	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/28/21 15:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/21 15:31	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/28/21 15:31	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/28/21 15:31	1
Trichloroethene	ND		1.0	0.50	ug/L			04/28/21 15:31	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/28/21 15:31	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/21 15:31	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/21 15:31	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/21 15:31	1
Vinyl acetate	ND		25	2.0	ug/L			04/28/21 15:31	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/28/21 15:31	1
Xylenes, Total	ND		10	1.6	ug/L			04/28/21 15:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*78 - 118*		*04/28/21 15:31*	*1*
Dibromofluoromethane	*98*		*81 - 121*		*04/28/21 15:31*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/28/21 15:31*	*1*

Lab Sample ID: LCS 400-529536/1002
Matrix: Water
Analysis Batch: 529536

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	203		ug/L		101	43 - 160
Acrolein	500	463		ug/L		93	38 - 160
Acrylonitrile	500	614		ug/L		123	64 - 142
Benzene	50.0	47.1		ug/L		94	70 - 130
Bromobenzene	50.0	48.3		ug/L		97	70 - 132
Bromochloromethane	50.0	53.2		ug/L		106	70 - 130
Bromodichloromethane	50.0	44.0		ug/L		88	67 - 133
Bromoform	50.0	45.1		ug/L		90	57 - 140
Bromomethane	50.0	47.0		ug/L		94	10 - 160
2-Butanone (MEK)	200	188		ug/L		94	61 - 145
Carbon disulfide	50.0	43.8		ug/L		88	61 - 137
Carbon tetrachloride	50.0	52.0		ug/L		104	61 - 137
Chlorobenzene	50.0	47.2		ug/L		94	70 - 130
Dibromochloromethane	50.0	45.6		ug/L		91	67 - 135
Chloroethane	50.0	64.5		ug/L		129	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529536/1002
Matrix: Water
Analysis Batch: 529536

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	46.7		ug/L		93	10 - 160
Chloroform	50.0	47.5		ug/L		95	69 - 130
1-Chlorohexane	50.0	53.1		ug/L		106	69 - 130
Chloromethane	50.0	53.4		ug/L		107	58 - 137
cis-1,2-Dichloroethene	50.0	59.3		ug/L		119	68 - 130
cis-1,3-Dichloropropene	50.0	46.4		ug/L		93	69 - 132
1,2-Dichlorobenzene	50.0	46.5		ug/L		93	67 - 130
1,3-Dichlorobenzene	50.0	47.3		ug/L		95	70 - 130
1,4-Dichlorobenzene	50.0	49.1		ug/L		98	70 - 130
Dichlorodifluoromethane	50.0	59.9		ug/L		120	41 - 146
1,1-Dichloroethane	50.0	60.7		ug/L		121	70 - 130
1,2-Dichloroethane	50.0	53.9		ug/L		108	69 - 130
1,1-Dichloroethene	50.0	48.2		ug/L		96	63 - 134
1,2-Dichloropropane	50.0	55.8		ug/L		112	70 - 130
1,3-Dichloropropane	50.0	42.4		ug/L		85	70 - 130
2,2-Dichloropropane	50.0	49.0		ug/L		98	52 - 135
1,1-Dichloropropene	50.0	48.4		ug/L		97	70 - 130
Ethylbenzene	50.0	42.9		ug/L		86	70 - 130
Ethyl methacrylate	50.0	40.4		ug/L		81	68 - 130
Hexachlorobutadiene	50.0	53.9		ug/L		108	53 - 140
2-Hexanone	200	201		ug/L		101	65 - 137
Isopropylbenzene	50.0	44.4		ug/L		89	70 - 130
Methylene bromide	50.0	43.1		ug/L		86	70 - 130
Methylene Chloride	50.0	43.0		ug/L		86	66 - 135
4-Methyl-2-pentanone (MIBK)	200	222		ug/L		111	69 - 138
Methyl tert-butyl ether	50.0	45.4		ug/L		91	66 - 130
m-Xylene & p-Xylene	50.0	42.3		ug/L		85	70 - 130
Naphthalene	50.0	53.8		ug/L		108	47 - 149
n-Butylbenzene	50.0	41.3		ug/L		83	67 - 130
N-Propylbenzene	50.0	44.0		ug/L		88	70 - 130
o-Chlorotoluene	50.0	40.5		ug/L		81	70 - 130
o-Xylene	50.0	41.8		ug/L		84	70 - 130
p-Chlorotoluene	50.0	40.7		ug/L		81	70 - 130
p-Isopropyltoluene	50.0	47.9		ug/L		96	65 - 130
sec-Butylbenzene	50.0	43.5		ug/L		87	66 - 130
Styrene	50.0	44.4		ug/L		89	70 - 130
tert-Butylbenzene	50.0	42.3		ug/L		85	64 - 139
1,1,1,2-Tetrachloroethane	50.0	48.1		ug/L		96	67 - 131
1,1,2,2-Tetrachloroethane	50.0	38.0		ug/L		76	70 - 131
Tetrachloroethene	50.0	47.5		ug/L		95	65 - 130
Toluene	50.0	43.2		ug/L		86	70 - 130
trans-1,2-Dichloroethene	50.0	49.8		ug/L		100	70 - 130
trans-1,3-Dichloropropene	50.0	43.0		ug/L		86	63 - 130
1,2,3-Trichlorobenzene	50.0	51.7		ug/L		103	60 - 138
1,2,4-Trichlorobenzene	50.0	53.1		ug/L		106	60 - 140
1,1,1-Trichloroethane	50.0	48.3		ug/L		97	68 - 130
1,1,2-Trichloroethane	50.0	40.2		ug/L		80	70 - 130
Trichloroethene	50.0	54.1		ug/L		108	70 - 130
Trichlorofluoromethane	50.0	58.3		ug/L		117	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529536/1002
Matrix: Water
Analysis Batch: 529536

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	40.9		ug/L		82	70 - 130
1,2,4-Trimethylbenzene	50.0	42.5		ug/L		85	70 - 130
1,3,5-Trimethylbenzene	50.0	44.0		ug/L		88	69 - 130
Vinyl acetate	100	96.7		ug/L		97	26 - 160
Vinyl chloride	50.0	69.6	*+	ug/L		139	59 - 136
Xylenes, Total	100	84.1		ug/L		84	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*89*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: 400-202080-5 MS
Matrix: Water
Analysis Batch: 529536

Client Sample ID: MW6C-ROX-041421
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	215		ug/L		107	43 - 150
Acrolein	ND		500	489		ug/L		98	38 - 150
Acrylonitrile	ND		500	718		ug/L		144	62 - 149
Benzene	ND		50.0	50.9		ug/L		102	56 - 142
Bromobenzene	ND		50.0	50.1		ug/L		100	59 - 136
Bromochloromethane	ND		50.0	59.8		ug/L		120	64 - 140
Bromodichloromethane	ND		50.0	47.8		ug/L		96	59 - 143
Bromoform	ND		50.0	50.6		ug/L		101	50 - 140
Bromomethane	ND		50.0	45.6		ug/L		91	10 - 150
2-Butanone (MEK)	ND		200	222		ug/L		111	55 - 150
Carbon disulfide	ND		50.0	45.6		ug/L		91	48 - 150
Carbon tetrachloride	ND		50.0	54.6		ug/L		109	55 - 145
Chlorobenzene	ND		50.0	49.5		ug/L		99	64 - 130
Dibromochloromethane	ND		50.0	51.9		ug/L		104	56 - 143
Chloroethane	ND		50.0	62.1		ug/L		124	50 - 150
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150
Chloroform	ND		50.0	50.9		ug/L		102	60 - 141
1-Chlorohexane	ND		50.0	50.9		ug/L		102	56 - 136
Chloromethane	ND		50.0	51.5		ug/L		103	49 - 148
cis-1,2-Dichloroethene	ND		50.0	63.4		ug/L		127	59 - 143
cis-1,3-Dichloropropene	ND		50.0	50.5		ug/L		101	57 - 140
1,2-Dichlorobenzene	ND		50.0	48.6		ug/L		97	52 - 137
1,3-Dichlorobenzene	ND		50.0	47.4		ug/L		95	54 - 135
1,4-Dichlorobenzene	ND		50.0	48.9		ug/L		98	53 - 135
Dichlorodifluoromethane	ND		50.0	56.9		ug/L		114	16 - 150
1,1-Dichloroethane	ND		50.0	66.1		ug/L		132	61 - 144
1,2-Dichloroethane	ND		50.0	60.3		ug/L		121	60 - 141
1,1-Dichloroethene	ND		50.0	49.9		ug/L		100	54 - 147
1,2-Dichloropropane	ND		50.0	62.0		ug/L		124	66 - 137
1,3-Dichloropropane	ND		50.0	48.7		ug/L		97	66 - 133
2,2-Dichloropropane	ND		50.0	51.7		ug/L		103	42 - 144

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-202080-5 MS
Matrix: Water
Analysis Batch: 529536

Client Sample ID: MW6C-ROX-041421
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	50.7		ug/L		101	65 - 136
Ethylbenzene	ND		50.0	44.2		ug/L		88	58 - 131
Ethyl methacrylate	ND		50.0	47.7		ug/L		95	64 - 130
Hexachlorobutadiene	ND		50.0	49.5		ug/L		99	31 - 149
2-Hexanone	ND		200	230		ug/L		115	65 - 140
Isopropylbenzene	ND		50.0	44.8		ug/L		90	56 - 133
Methylene bromide	ND		50.0	50.2		ug/L		100	63 - 138
Methylene Chloride	ND		50.0	48.9		ug/L		98	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	260		ug/L		130	63 - 146
Methyl tert-butyl ether	ND		50.0	53.2		ug/L		106	59 - 137
m-Xylene & p-Xylene	ND		50.0	43.6		ug/L		87	57 - 130
Naphthalene	ND		50.0	59.4		ug/L		119	25 - 150
n-Butylbenzene	ND		50.0	37.8		ug/L		76	41 - 142
N-Propylbenzene	ND		50.0	42.5		ug/L		85	51 - 138
o-Chlorotoluene	ND		50.0	39.8		ug/L		80	53 - 134
o-Xylene	ND		50.0	43.4		ug/L		87	61 - 130
p-Chlorotoluene	ND		50.0	40.4		ug/L		81	54 - 133
p-Isopropyltoluene	ND		50.0	46.0		ug/L		92	48 - 139
sec-Butylbenzene	ND		50.0	41.8		ug/L		84	50 - 138
Styrene	ND		50.0	46.8		ug/L		94	58 - 131
tert-Butylbenzene	ND		50.0	35.0		ug/L		70	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	52.4		ug/L		105	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	43.9		ug/L		88	66 - 135
Tetrachloroethene	ND		50.0	48.5		ug/L		97	52 - 133
Toluene	ND		50.0	45.7		ug/L		91	65 - 130
trans-1,2-Dichloroethene	ND		50.0	52.5		ug/L		105	61 - 143
trans-1,3-Dichloropropene	ND		50.0	48.4		ug/L		97	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	54.2		ug/L		108	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	53.1		ug/L		106	39 - 148
1,1,1-Trichloroethane	ND		50.0	50.0		ug/L		100	57 - 142
1,1,2-Trichloroethane	ND		50.0	46.1		ug/L		92	66 - 131
Trichloroethene	ND		50.0	55.4		ug/L		111	64 - 136
Trichlorofluoromethane	ND		50.0	56.0		ug/L		112	54 - 150
1,2,3-Trichloropropane	ND		50.0	48.0		ug/L		96	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	42.2		ug/L		84	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	43.3		ug/L		87	52 - 135
Vinyl acetate	ND		100	98.0		ug/L		98	26 - 150
Vinyl chloride	ND	*+	50.0	64.2		ug/L		128	46 - 150
Xylenes, Total	ND		100	86.9		ug/L		87	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*87*		*78 - 118*
Dibromofluoromethane	*102*		*81 - 121*
Toluene-d8 (Surr)	*93*		*80 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-202080-5 MSD
Matrix: Water
Analysis Batch: 529536

Client Sample ID: MW6C-ROX-041421
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	210		ug/L		105	43 - 150	2	30
Acrolein	ND		500	450		ug/L		90	38 - 150	8	31
Acrylonitrile	ND		500	717		ug/L		143	62 - 149	0	30
Benzene	ND		50.0	52.3		ug/L		105	56 - 142	3	30
Bromobenzene	ND		50.0	51.2		ug/L		102	59 - 136	2	30
Bromochloromethane	ND		50.0	58.4		ug/L		117	64 - 140	2	30
Bromodichloromethane	ND		50.0	49.5		ug/L		99	59 - 143	4	30
Bromoform	ND		50.0	52.3		ug/L		105	50 - 140	3	30
Bromomethane	ND		50.0	48.1		ug/L		96	10 - 150	5	50
2-Butanone (MEK)	ND		200	209		ug/L		104	55 - 150	6	30
Carbon disulfide	ND		50.0	47.7		ug/L		95	48 - 150	4	30
Carbon tetrachloride	ND		50.0	56.9		ug/L		114	55 - 145	4	30
Chlorobenzene	ND		50.0	50.2		ug/L		100	64 - 130	2	30
Dibromochloromethane	ND		50.0	52.7		ug/L		105	56 - 143	1	30
Chloroethane	ND		50.0	60.5		ug/L		121	50 - 150	3	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	53.8		ug/L		108	60 - 141	5	30
1-Chlorohexane	ND		50.0	52.8		ug/L		106	56 - 136	4	30
Chloromethane	ND		50.0	51.2		ug/L		102	49 - 148	1	31
cis-1,2-Dichloroethene	ND		50.0	65.3		ug/L		131	59 - 143	3	30
cis-1,3-Dichloropropene	ND		50.0	51.5		ug/L		103	57 - 140	2	30
1,2-Dichlorobenzene	ND		50.0	48.9		ug/L		98	52 - 137	1	30
1,3-Dichlorobenzene	ND		50.0	48.3		ug/L		97	54 - 135	2	30
1,4-Dichlorobenzene	ND		50.0	49.0		ug/L		98	53 - 135	0	30
Dichlorodifluoromethane	ND		50.0	58.0		ug/L		116	16 - 150	2	31
1,1-Dichloroethane	ND		50.0	68.5		ug/L		137	61 - 144	4	30
1,2-Dichloroethane	ND		50.0	61.3		ug/L		123	60 - 141	2	30
1,1-Dichloroethene	ND		50.0	50.1		ug/L		100	54 - 147	0	30
1,2-Dichloropropane	ND		50.0	63.1		ug/L		126	66 - 137	2	30
1,3-Dichloropropane	ND		50.0	48.2		ug/L		96	66 - 133	1	30
2,2-Dichloropropane	ND		50.0	55.0		ug/L		110	42 - 144	6	31
1,1-Dichloropropene	ND		50.0	53.8		ug/L		108	65 - 136	6	30
Ethylbenzene	ND		50.0	44.5		ug/L		89	58 - 131	1	30
Ethyl methacrylate	ND		50.0	48.6		ug/L		97	64 - 130	2	30
Hexachlorobutadiene	ND		50.0	50.2		ug/L		100	31 - 149	1	36
2-Hexanone	ND		200	230		ug/L		115	65 - 140	0	30
Isopropylbenzene	ND		50.0	44.9		ug/L		90	56 - 133	0	30
Methylene bromide	ND		50.0	49.8		ug/L		100	63 - 138	1	30
Methylene Chloride	ND		50.0	49.8		ug/L		100	60 - 146	2	32
4-Methyl-2-pentanone (MIBK)	ND		200	254		ug/L		127	63 - 146	2	30
Methyl tert-butyl ether	ND		50.0	52.3		ug/L		105	59 - 137	2	30
m-Xylene & p-Xylene	ND		50.0	43.9		ug/L		88	57 - 130	1	30
Naphthalene	ND		50.0	62.2		ug/L		124	25 - 150	5	30
n-Butylbenzene	ND		50.0	37.9		ug/L		76	41 - 142	0	31
N-Propylbenzene	ND		50.0	43.7		ug/L		87	51 - 138	3	30
o-Chlorotoluene	ND		50.0	41.0		ug/L		82	53 - 134	3	30
o-Xylene	ND		50.0	43.7		ug/L		87	61 - 130	1	30
p-Chlorotoluene	ND		50.0	41.2		ug/L		82	54 - 133	2	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-202080-5 MSD
Matrix: Water
Analysis Batch: 529536

Client Sample ID: MW6C-ROX-041421
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	45.4		ug/L		91	48 - 139	1	30
sec-Butylbenzene	ND		50.0	41.7		ug/L		83	50 - 138	0	30
Styrene	ND		50.0	46.6		ug/L		93	58 - 131	0	30
tert-Butylbenzene	ND		50.0	41.6		ug/L		83	54 - 146	17	30
1,1,1,2-Tetrachloroethane	ND		50.0	53.8		ug/L		108	59 - 137	3	30
1,1,2,2-Tetrachloroethane	ND		50.0	44.8		ug/L		90	66 - 135	2	30
Tetrachloroethene	ND		50.0	48.5		ug/L		97	52 - 133	0	30
Toluene	ND		50.0	46.3		ug/L		93	65 - 130	1	30
trans-1,2-Dichloroethene	ND		50.0	55.1		ug/L		110	61 - 143	5	30
trans-1,3-Dichloropropene	ND		50.0	48.6		ug/L		97	53 - 133	1	30
1,2,3-Trichlorobenzene	ND		50.0	56.0		ug/L		112	43 - 145	3	30
1,2,4-Trichlorobenzene	ND		50.0	54.8		ug/L		110	39 - 148	3	30
1,1,1-Trichloroethane	ND		50.0	53.0		ug/L		106	57 - 142	6	30
1,1,2-Trichloroethane	ND		50.0	47.6		ug/L		95	66 - 131	3	30
Trichloroethene	ND		50.0	57.8		ug/L		116	64 - 136	4	30
Trichlorofluoromethane	ND		50.0	57.5		ug/L		115	54 - 150	3	30
1,2,3-Trichloropropane	ND		50.0	48.2		ug/L		96	65 - 133	0	30
1,2,4-Trimethylbenzene	ND		50.0	42.0		ug/L		84	50 - 139	0	30
1,3,5-Trimethylbenzene	ND		50.0	43.5		ug/L		87	52 - 135	0	30
Vinyl acetate	ND		100	102		ug/L		102	26 - 150	4	33
Vinyl chloride	ND	*+	50.0	68.0		ug/L		136	46 - 150	6	30
Xylenes, Total	ND		100	87.6		ug/L		88	59 - 130	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*86*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*93*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-528560/1-A
Matrix: Water
Analysis Batch: 528893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		04/21/21 14:02	04/23/21 15:36	1
Benzenethiol	ND		10	1.7	ug/L		04/21/21 14:02	04/23/21 15:36	1
Benzoic acid	ND		30	7.3	ug/L		04/21/21 14:02	04/23/21 15:36	1
Benzyl alcohol	ND		10	2.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/21/21 14:02	04/23/21 15:36	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/21/21 14:02	04/23/21 15:36	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/21/21 14:02	04/23/21 15:36	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/21/21 14:02	04/23/21 15:36	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/21/21 14:02	04/23/21 15:36	1
4-Chloroaniline	ND		10	3.4	ug/L		04/21/21 14:02	04/23/21 15:36	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		04/21/21 14:02	04/23/21 15:36	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/21/21 14:02	04/23/21 15:36	1
2-Chlorophenol	ND		10	2.2	ug/L		04/21/21 14:02	04/23/21 15:36	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-528560/1-A
Matrix: Water
Analysis Batch: 528893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Dibenzofuran	ND		10	0.17	ug/L		04/21/21 14:02	04/23/21 15:36	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Diethyl phthalate	ND		10	0.24	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		04/21/21 14:02	04/23/21 15:36	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/21/21 14:02	04/23/21 15:36	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/21/21 14:02	04/23/21 15:36	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/21/21 14:02	04/23/21 15:36	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/21/21 14:02	04/23/21 15:36	1
1,4-Dioxane	ND		10	1.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/21/21 14:02	04/23/21 15:36	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/21/21 14:02	04/23/21 15:36	1
Hexachloroethane	ND		10	4.2	ug/L		04/21/21 14:02	04/23/21 15:36	1
Indene	ND		10	1.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Isophorone	ND		10	0.14	ug/L		04/21/21 14:02	04/23/21 15:36	1
2-Methylphenol	ND		10	1.8	ug/L		04/21/21 14:02	04/23/21 15:36	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/21/21 14:02	04/23/21 15:36	1
2-Nitroaniline	ND		10	2.2	ug/L		04/21/21 14:02	04/23/21 15:36	1
3-Nitroaniline	ND		10	1.8	ug/L		04/21/21 14:02	04/23/21 15:36	1
4-Nitroaniline	ND		10	1.5	ug/L		04/21/21 14:02	04/23/21 15:36	1
Nitrobenzene	ND		10	0.13	ug/L		04/21/21 14:02	04/23/21 15:36	1
2-Nitrophenol	ND		10	5.2	ug/L		04/21/21 14:02	04/23/21 15:36	1
4-Nitrophenol	ND		10	2.1	ug/L		04/21/21 14:02	04/23/21 15:36	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		04/21/21 14:02	04/23/21 15:36	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		04/21/21 14:02	04/23/21 15:36	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/21/21 14:02	04/23/21 15:36	1
Pentachlorophenol	ND		20	1.4	ug/L		04/21/21 14:02	04/23/21 15:36	1
Phenol	ND		10	2.6	ug/L		04/21/21 14:02	04/23/21 15:36	1
Pyridine	ND		10	3.2	ug/L		04/21/21 14:02	04/23/21 15:36	1
Quinoline	ND		10	4.5	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/21/21 14:02	04/23/21 15:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*46 - 124*	*04/21/21 14:02*	*04/23/21 15:36*	*1*
2-Fluorophenol	*66*		*13 - 113*	*04/21/21 14:02*	*04/23/21 15:36*	*1*
Nitrobenzene-d5	*82*		*36 - 126*	*04/21/21 14:02*	*04/23/21 15:36*	*1*
Phenol-d5	*87*		*17 - 127*	*04/21/21 14:02*	*04/23/21 15:36*	*1*
Terphenyl-d14	*110*		*44 - 149*	*04/21/21 14:02*	*04/23/21 15:36*	*1*
2,4,6-Tribromophenol	*78*		*26 - 150*	*04/21/21 14:02*	*04/23/21 15:36*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528560/2-A
Matrix: Water
Analysis Batch: 528701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	80.0	66.1		ug/L		83	21 - 120
Benzoic acid	502	187		ug/L		37	10 - 144
Benzyl alcohol	80.0	71.5		ug/L		89	28 - 120
Bis(2-chloroethoxy)methane	80.0	56.9		ug/L		71	47 - 120
Bis(2-chloroethyl)ether	80.0	53.9		ug/L		67	44 - 120
bis (2-chloroisopropyl) ether	80.0	57.7		ug/L		72	33 - 121
Bis(2-ethylhexyl) phthalate	80.0	83.6		ug/L		105	52 - 147
4-Bromophenyl phenyl ether	80.0	75.8		ug/L		95	54 - 122
Butyl benzyl phthalate	80.0	89.2		ug/L		112	54 - 133
4-Chloroaniline	80.0	48.7		ug/L		61	26 - 120
4-Chloro-3-methylphenol	80.0	75.9		ug/L		95	48 - 131
2-Chloronaphthalene	80.0	65.6		ug/L		82	52 - 121
2-Chlorophenol	80.0	61.9		ug/L		77	40 - 120
4-Chlorophenyl phenyl ether	80.0	73.9		ug/L		92	56 - 125
Dibenz[a,h]acridine	120	103		ug/L		86	31 - 150
Dibenzofuran	80.0	70.5		ug/L		88	56 - 122
3,3'-Dichlorobenzidine	160	149		ug/L		93	36 - 132
2,4-Dichlorophenol	80.0	67.3		ug/L		84	49 - 120
Diethyl phthalate	80.0	78.7		ug/L		98	50 - 137
2,4-Dimethylphenol	80.0	64.5		ug/L		81	48 - 120
Dimethyl phthalate	80.0	73.8		ug/L		92	57 - 124
Di-n-butyl phthalate	80.0	84.5		ug/L		106	58 - 126
4,6-Dinitro-ortho-cresol	160	108		ug/L		68	23 - 148
2,4-Dinitrophenol	160	146		ug/L		91	10 - 150
2,4-Dinitrotoluene	80.0	78.1		ug/L		98	54 - 142
2,6-Dinitrotoluene	80.0	74.9		ug/L		94	55 - 130
Di-n-octyl phthalate	80.0	79.1		ug/L		99	57 - 138
1,4-Dioxane	80.0	45.9		ug/L		57	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	80.0	63.9		ug/L		80	45 - 124
Hexachlorobenzene	80.0	82.2		ug/L		103	52 - 129
Hexachlorocyclopentadiene	80.0	45.9		ug/L		57	10 - 134
Hexachloroethane	80.0	65.6		ug/L		82	20 - 120
Indene	120	106		ug/L		89	49 - 120
Isophorone	80.0	60.4		ug/L		76	48 - 120
2-Methylphenol	80.0	72.4		ug/L		91	46 - 124
3 & 4 Methylphenol	80.0	68.1		ug/L		85	45 - 120
2-Nitroaniline	80.0	65.7		ug/L		82	51 - 145
3-Nitroaniline	80.0	54.4		ug/L		68	37 - 127
4-Nitroaniline	80.0	52.5		ug/L		66	36 - 137
Nitrobenzene	80.0	56.8		ug/L		71	45 - 120
2-Nitrophenol	80.0	71.1		ug/L		89	40 - 124
4-Nitrophenol	160	134		ug/L		83	23 - 146
N-Nitrosodimethylamine	80.0	60.8		ug/L		76	29 - 137
N-Nitrosodi-n-propylamine	80.0	70.4		ug/L		88	45 - 120
N-Nitrosodiphenylamine	79.4	66.7		ug/L		84	54 - 120
Pentachlorophenol	160	130		ug/L		82	31 - 130
Phenol	80.0	58.8		ug/L		73	11 - 120
Pyridine	160	89.1		ug/L		56	16 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528560/2-A
Matrix: Water
Analysis Batch: 528701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Quinoline	120	109		ug/L		91	49 - 130
2,4,5-Trichlorophenol	80.0	75.5		ug/L		94	51 - 136
2,4,6-Trichlorophenol	80.0	71.4		ug/L		89	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*85*		*46 - 124*
2-Fluorophenol	*51*		*13 - 113*
Nitrobenzene-d5	*80*		*36 - 126*
Phenol-d5	*84*		*17 - 127*
Terphenyl-d14	*116*		*44 - 149*
2,4,6-Tribromophenol	*111*		*26 - 150*

Lab Sample ID: LCS 400-528560/4-A
Matrix: Water
Analysis Batch: 528896

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	29.1		ug/L		24	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*58*		*46 - 124*
2-Fluorophenol	*22*		*13 - 113*
Nitrobenzene-d5	*58*		*36 - 126*
Phenol-d5	*51*		*17 - 127*
Terphenyl-d14	*103*		*44 - 149*
2,4,6-Tribromophenol	*75*		*26 - 150*

Lab Sample ID: LCSD 400-528560/5-A
Matrix: Water
Analysis Batch: 528896

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	13.9	*1	ug/L		12	10 - 120	71	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*61*		*46 - 124*
2-Fluorophenol	*13*		*13 - 113*
Nitrobenzene-d5	*60*		*36 - 126*
Phenol-d5	*41*		*17 - 127*
Terphenyl-d14	*110*		*44 - 149*
2,4,6-Tribromophenol	*67*		*26 - 150*

Lab Sample ID: 400-202080-5 MS
Matrix: Water
Analysis Batch: 528754

Client Sample ID: MW6C-ROX-041421
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	ND		77.7	40.1		ug/L		52	10 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-202080-5 MS
Matrix: Water
Analysis Batch: 528754

Client Sample ID: MW6C-ROX-041421
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzoic acid	ND		487	277		ug/L		57	10 - 149
Benzyl alcohol	ND		77.7	51.1		ug/L		66	33 - 120
Bis(2-chloroethoxy)methane	ND		77.7	53.9		ug/L		69	26 - 120
Bis(2-chloroethyl)ether	ND		77.7	58.2		ug/L		75	42 - 120
bis (2-chloroisopropyl) ether	ND		77.7	51.8		ug/L		67	28 - 120
Bis(2-ethylhexyl) phthalate	ND		77.7	60.1		ug/L		77	39 - 120
4-Bromophenyl phenyl ether	ND		77.7	83.4		ug/L		107	40 - 120
Butyl benzyl phthalate	ND		77.7	57.2		ug/L		74	45 - 120
4-Chloroaniline	ND		77.7	43.0		ug/L		55	10 - 120
4-Chloro-3-methylphenol	ND		77.7	52.6		ug/L		68	34 - 120
2-Chloronaphthalene	ND		77.7	71.2		ug/L		92	39 - 120
2-Chlorophenol	ND		77.7	46.0		ug/L		59	25 - 120
4-Chlorophenyl phenyl ether	ND		77.7	80.3		ug/L		103	44 - 120
Dibenz[a,h]acridine	ND		116	143		ug/L		123	50 - 150
Dibenzofuran	ND		77.7	69.3		ug/L		89	25 - 130
3,3'-Dichlorobenzidine	ND		155	113		ug/L		73	10 - 120
2,4-Dichlorophenol	ND		77.7	69.0		ug/L		89	31 - 120
Diethyl phthalate	ND		77.7	72.6		ug/L		93	46 - 120
2,4-Dimethylphenol	ND		77.7	63.2		ug/L		81	21 - 120
Dimethyl phthalate	ND		77.7	71.2		ug/L		92	38 - 120
Di-n-butyl phthalate	ND		77.7	66.7		ug/L		86	49 - 120
4,6-Dinitro-ortho-cresol	ND		155	160		ug/L		103	25 - 120
2,4-Dinitrophenol	ND		155	158		ug/L		102	15 - 140
2,4-Dinitrotoluene	ND		77.7	76.3		ug/L		98	53 - 120
2,6-Dinitrotoluene	ND		77.7	69.6		ug/L		90	43 - 120
Di-n-octyl phthalate	ND		77.7	61.5		ug/L		79	35 - 121
1,4-Dioxane	ND	F1	77.7	30.0	F1	ug/L		39	50 - 150
1,2-Diphenylhydrazine (as Azobenzene)	ND	F1	77.7	55.2		ug/L		71	50 - 150
Hexachlorobenzene	ND		77.7	85.0		ug/L		109	38 - 122
Hexachlorocyclopentadiene	ND		77.7	37.6		ug/L		48	10 - 120
Hexachloroethane	ND		77.7	54.1		ug/L		70	10 - 150
Indene	ND		117	94.5		ug/L		81	50 - 150
Isophorone	ND		77.7	54.8		ug/L		71	42 - 120
2-Methylphenol	ND		77.7	57.9		ug/L		75	28 - 120
3 & 4 Methylphenol	ND		77.7	54.3		ug/L		70	31 - 120
2-Nitroaniline	ND	F1	77.7	52.4		ug/L		67	45 - 120
3-Nitroaniline	ND		77.7	46.2		ug/L		60	10 - 130
4-Nitroaniline	ND		77.7	67.7		ug/L		87	10 - 132
Nitrobenzene	ND		77.7	55.0		ug/L		71	39 - 120
2-Nitrophenol	ND		77.7	68.6		ug/L		88	33 - 120
4-Nitrophenol	ND		155	131		ug/L		84	10 - 120
N-Nitrosodimethylamine	ND		77.7	54.1		ug/L		70	10 - 139
N-Nitrosodi-n-propylamine	ND		77.7	57.3		ug/L		74	37 - 124
N-Nitrosodiphenylamine	ND		77.1	66.0		ug/L		86	10 - 150
Pentachlorophenol	ND		155	135		ug/L		87	29 - 130
Phenol	ND		77.7	51.9		ug/L		67	10 - 150
Pyridine	ND		155	82.3		ug/L		53	10 - 120
Quinoline	ND		116	115		ug/L		99	51 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-202080-5 MS
Matrix: Water
Analysis Batch: 528754

Client Sample ID: MW6C-ROX-041421
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	ND		77.7	78.4		ug/L		101	34 - 120
2,4,6-Trichlorophenol	ND		77.7	77.3		ug/L		100	33 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*99*		*46 - 124*
2-Fluorophenol	*42*		*13 - 113*
Nitrobenzene-d5	*76*		*36 - 126*
Phenol-d5	*59*		*17 - 127*
Terphenyl-d14	*92*		*44 - 149*
2,4,6-Tribromophenol	*110*		*26 - 150*

Lab Sample ID: 400-202080-5 MSD
Matrix: Water
Analysis Batch: 528754

Client Sample ID: MW6C-ROX-041421
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	ND		76.9	40.4		ug/L		52	10 - 120	1	63
Benzoic acid	ND		483	270		ug/L		56	10 - 149	3	49
Benzyl alcohol	ND		76.9	51.0		ug/L		66	33 - 120	0	37
Bis(2-chloroethoxy)methane	ND		76.9	55.2		ug/L		72	26 - 120	2	70
Bis(2-chloroethyl)ether	ND		76.9	55.5		ug/L		72	42 - 120	5	42
bis (2-chloroisopropyl) ether	ND		76.9	47.8		ug/L		62	28 - 120	8	41
Bis(2-ethylhexyl) phthalate	ND		76.9	59.4		ug/L		77	39 - 120	1	35
4-Bromophenyl phenyl ether	ND		76.9	81.2		ug/L		106	40 - 120	3	30
Butyl benzyl phthalate	ND		76.9	57.2		ug/L		74	45 - 120	0	32
4-Chloroaniline	ND		76.9	41.9		ug/L		54	10 - 120	3	94
4-Chloro-3-methylphenol	ND		76.9	51.7		ug/L		67	34 - 120	2	40
2-Chloronaphthalene	ND		76.9	67.3		ug/L		87	39 - 120	6	29
2-Chlorophenol	ND		76.9	49.6		ug/L		64	25 - 120	7	42
4-Chlorophenyl phenyl ether	ND		76.9	78.0		ug/L		101	44 - 120	3	27
Dibenz[a,h]acridine	ND		115	136		ug/L		118	50 - 150	5	40
Dibenzofuran	ND		76.9	68.6		ug/L		89	25 - 130	1	29
3,3'-Dichlorobenzidine	ND		154	109		ug/L		71	10 - 120	3	58
2,4-Dichlorophenol	ND		76.9	66.8		ug/L		87	31 - 120	3	43
Diethyl phthalate	ND		76.9	70.6		ug/L		92	46 - 120	3	40
2,4-Dimethylphenol	ND		76.9	60.6		ug/L		79	21 - 120	4	47
Dimethyl phthalate	ND		76.9	66.3		ug/L		86	38 - 120	7	36
Di-n-butyl phthalate	ND		76.9	65.4		ug/L		85	49 - 120	2	32
4,6-Dinitro-ortho-cresol	ND		154	157		ug/L		102	25 - 120	2	42
2,4-Dinitrophenol	ND		154	159		ug/L		103	15 - 140	1	36
2,4-Dinitrotoluene	ND		76.9	71.0		ug/L		92	53 - 120	7	28
2,6-Dinitrotoluene	ND		76.9	67.1		ug/L		87	43 - 120	4	28
Di-n-octyl phthalate	ND		76.9	61.0		ug/L		79	35 - 121	1	35
1,4-Dioxane	ND	F1	76.9	31.7	F1	ug/L		41	50 - 150	5	40
1,2-Diphenylhydrazine (as Azobenzene)	ND	F1	76.9	54.2		ug/L		70	50 - 150	2	40
Hexachlorobenzene	ND		76.9	83.0		ug/L		108	38 - 122	2	33
Hexachlorocyclopentadiene	ND		76.9	31.5		ug/L		41	10 - 120	18	50
Hexachloroethane	ND		76.9	52.5		ug/L		68	10 - 150	3	41

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-202080-5 MSD
Matrix: Water
Analysis Batch: 528754

Client Sample ID: MW6C-ROX-041421
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Indene	ND		115	88.1		ug/L		76	50 - 150	7	40
Isophorone	ND		76.9	51.9		ug/L		68	42 - 120	5	33
2-Methylphenol	ND		76.9	54.2		ug/L		71	28 - 120	7	47
3 & 4 Methylphenol	ND		76.9	54.3		ug/L		71	31 - 120	0	47
2-Nitroaniline	ND	F1	76.9	50.8		ug/L		66	45 - 120	3	33
3-Nitroaniline	ND		76.9	45.3		ug/L		59	10 - 130	2	39
4-Nitroaniline	ND		76.9	65.2		ug/L		85	10 - 132	4	50
Nitrobenzene	ND		76.9	51.7		ug/L		67	39 - 120	6	35
2-Nitrophenol	ND		76.9	65.1		ug/L		85	33 - 120	5	43
4-Nitrophenol	ND		154	129		ug/L		84	10 - 120	1	82
N-Nitrosodimethylamine	ND		76.9	50.3		ug/L		65	10 - 139	7	62
N-Nitrosodi-n-propylamine	ND		76.9	55.6		ug/L		72	37 - 124	3	36
N-Nitrosodiphenylamine	ND		76.3	62.2		ug/L		81	10 - 150	6	34
Pentachlorophenol	ND		154	135		ug/L		88	29 - 130	0	42
Phenol	ND		76.9	51.3		ug/L		67	10 - 150	1	52
Pyridine	ND		154	74.4		ug/L		48	10 - 120	10	55
Quinoline	ND		115	112		ug/L		98	51 - 120	2	40
2,4,5-Trichlorophenol	ND		76.9	78.5		ug/L		102	34 - 120	0	42
2,4,6-Trichlorophenol	ND		76.9	78.2		ug/L		102	33 - 120	1	44

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*99*		*46 - 124*
2-Fluorophenol	*49*		*13 - 113*
Nitrobenzene-d5	*71*		*36 - 126*
Phenol-d5	*59*		*17 - 127*
Terphenyl-d14	*98*		*44 - 149*
2,4,6-Tribromophenol	*107*		*26 - 150*

Lab Sample ID: MB 400-529480/1-A
Matrix: Water
Analysis Batch: 529667

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529480

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		04/28/21 10:20	04/29/21 15:51	1
Benzenethiol	ND		10	1.7	ug/L		04/28/21 10:20	04/29/21 15:51	1
Benzoic acid	ND		30	7.3	ug/L		04/28/21 10:20	04/29/21 15:51	1
Benzyl alcohol	ND		10	2.0	ug/L		04/28/21 10:20	04/29/21 15:51	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/28/21 10:20	04/29/21 15:51	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/28/21 10:20	04/29/21 15:51	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/28/21 10:20	04/29/21 15:51	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		04/28/21 10:20	04/29/21 15:51	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/28/21 10:20	04/29/21 15:51	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/28/21 10:20	04/29/21 15:51	1
4-Chloroaniline	ND		10	3.4	ug/L		04/28/21 10:20	04/29/21 15:51	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		04/28/21 10:20	04/29/21 15:51	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/28/21 10:20	04/29/21 15:51	1
2-Chlorophenol	ND		10	2.2	ug/L		04/28/21 10:20	04/29/21 15:51	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/28/21 10:20	04/29/21 15:51	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-529480/1-A
Matrix: Water
Analysis Batch: 529667

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529480

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/28/21 10:20	04/29/21 15:51	1
Dibenzofuran	ND		10	0.17	ug/L		04/28/21 10:20	04/29/21 15:51	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/28/21 10:20	04/29/21 15:51	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/28/21 10:20	04/29/21 15:51	1
Diethyl phthalate	ND		10	0.24	ug/L		04/28/21 10:20	04/29/21 15:51	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		04/28/21 10:20	04/29/21 15:51	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/28/21 10:20	04/29/21 15:51	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/28/21 10:20	04/29/21 15:51	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/28/21 10:20	04/29/21 15:51	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		04/28/21 10:20	04/29/21 15:51	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/28/21 10:20	04/29/21 15:51	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/28/21 10:20	04/29/21 15:51	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/28/21 10:20	04/29/21 15:51	1
1,4-Dioxane	ND		10	1.0	ug/L		04/28/21 10:20	04/29/21 15:51	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/28/21 10:20	04/29/21 15:51	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/28/21 10:20	04/29/21 15:51	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/28/21 10:20	04/29/21 15:51	1
Hexachloroethane	ND		10	4.2	ug/L		04/28/21 10:20	04/29/21 15:51	1
Indene	ND		10	1.0	ug/L		04/28/21 10:20	04/29/21 15:51	1
Isophorone	ND		10	0.14	ug/L		04/28/21 10:20	04/29/21 15:51	1
2-Methylphenol	ND		10	1.8	ug/L		04/28/21 10:20	04/29/21 15:51	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/28/21 10:20	04/29/21 15:51	1
2-Nitroaniline	ND		10	2.2	ug/L		04/28/21 10:20	04/29/21 15:51	1
3-Nitroaniline	ND		10	1.8	ug/L		04/28/21 10:20	04/29/21 15:51	1
4-Nitroaniline	ND		10	1.5	ug/L		04/28/21 10:20	04/29/21 15:51	1
Nitrobenzene	ND		10	0.13	ug/L		04/28/21 10:20	04/29/21 15:51	1
2-Nitrophenol	ND		10	5.2	ug/L		04/28/21 10:20	04/29/21 15:51	1
4-Nitrophenol	ND		10	2.1	ug/L		04/28/21 10:20	04/29/21 15:51	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		04/28/21 10:20	04/29/21 15:51	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		04/28/21 10:20	04/29/21 15:51	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/28/21 10:20	04/29/21 15:51	1
Pentachlorophenol	ND		20	1.4	ug/L		04/28/21 10:20	04/29/21 15:51	1
Phenol	ND		10	2.6	ug/L		04/28/21 10:20	04/29/21 15:51	1
Pyridine	ND		10	3.2	ug/L		04/28/21 10:20	04/29/21 15:51	1
Quinoline	ND		10	4.5	ug/L		04/28/21 10:20	04/29/21 15:51	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/28/21 10:20	04/29/21 15:51	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/28/21 10:20	04/29/21 15:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*46 - 124*	*04/28/21 10:20*	*04/29/21 15:51*	*1*
2-Fluorophenol	*10*	*S1-*	*13 - 113*	*04/28/21 10:20*	*04/29/21 15:51*	*1*
Nitrobenzene-d5	*67*		*36 - 126*	*04/28/21 10:20*	*04/29/21 15:51*	*1*
Phenol-d5	*50*		*17 - 127*	*04/28/21 10:20*	*04/29/21 15:51*	*1*
Terphenyl-d14	*109*		*44 - 149*	*04/28/21 10:20*	*04/29/21 15:51*	*1*
2,4,6-Tribromophenol	*72*		*26 - 150*	*04/28/21 10:20*	*04/29/21 15:51*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529480/3-A
Matrix: Water
Analysis Batch: 529667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529480

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	41.0		ug/L		34	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*46 - 124*
2-Fluorophenol	*26*		*13 - 113*
Nitrobenzene-d5	*58*		*36 - 126*
Phenol-d5	*53*		*17 - 127*
Terphenyl-d14	*89*		*44 - 149*
2,4,6-Tribromophenol	*61*		*26 - 150*

Lab Sample ID: LCSD 400-529480/4-A
Matrix: Water
Analysis Batch: 529667

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 529480

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	57.7	*1	ug/L		48	10 - 120	34	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*46 - 124*
2-Fluorophenol	*45*		*13 - 113*
Nitrobenzene-d5	*69*		*36 - 126*
Phenol-d5	*73*		*17 - 127*
Terphenyl-d14	*107*		*44 - 149*
2,4,6-Tribromophenol	*75*		*26 - 150*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA

Lab Sample ID: LCS 400-529480/2-A
Matrix: Water
Analysis Batch: 529667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529480

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline - RERA	120	78.9		ug/L		66	21 - 120
Benzoic acid - RERA	502	230		ug/L		46	10 - 144
Benzyl alcohol - RERA	120	88.1		ug/L		73	28 - 120
Bis(2-chloroethoxy)methane - RERA	120	76.3		ug/L		64	47 - 120
Bis(2-chloroethyl)ether - RERA	120	83.9		ug/L		70	44 - 120
bis (2-chloroisopropyl) ether - RERA	120	74.6		ug/L		62	33 - 121
Bis(2-ethylhexyl) phthalate - RERA	120	117		ug/L		98	52 - 147
4-Bromophenyl phenyl ether - RERA	120	111		ug/L		93	54 - 122
Butyl benzyl phthalate - RERA	120	114		ug/L		95	54 - 133
4-Chloroaniline - RERA	120	78.8		ug/L		66	26 - 120
4-Chloro-3-methylphenol - RERA	120	101		ug/L		84	48 - 131
2-Chloronaphthalene - RERA	120	91.4		ug/L		76	52 - 121
2-Chlorophenol - RERA	120	84.7		ug/L		71	40 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Lab Sample ID: LCS 400-529480/2-A
Matrix: Water
Analysis Batch: 529667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529480

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorophenyl phenyl ether - RERA	120	101		ug/L		84	56 - 125
Dibenz[a,h]acridine - RERA	120	99.9		ug/L		83	31 - 150
Dibenzofuran - RERA	120	99.1		ug/L		83	56 - 122
3,3'-Dichlorobenzidine - RERA	160	184		ug/L		115	36 - 132
2,4-Dichlorophenol - RERA	120	92.3		ug/L		77	49 - 120
Diethyl phthalate - RERA	120	108		ug/L		90	50 - 137
2,4-Dimethylphenol - RERA	120	90.9		ug/L		76	48 - 120
Dimethyl phthalate - RERA	120	101		ug/L		84	57 - 124
Di-n-butyl phthalate - RERA	120	121		ug/L		101	58 - 126
4,6-Dinitro-ortho-cresol - RERA	240	244		ug/L		102	23 - 148
2,4-Dinitrophenol - RERA	240	261		ug/L		109	10 - 150
2,4-Dinitrotoluene - RERA	120	107		ug/L		89	54 - 142
2,6-Dinitrotoluene - RERA	120	102		ug/L		85	55 - 130
Di-n-octyl phthalate - RERA	120	124		ug/L		103	57 - 138
1,4-Dioxane - RERA	120	61.8		ug/L		52	31 - 120
1,2-Diphenylhydrazine (as Azobenzene) - RERA	120	91.0		ug/L		76	45 - 124
Hexachlorobenzene - RERA	120	118		ug/L		99	52 - 129
Hexachlorocyclopentadiene - RERA	120	70.0		ug/L		58	10 - 134
Hexachloroethane - RERA	120	95.0		ug/L		79	20 - 120
Indene - RERA	120	96.1		ug/L		80	49 - 120
Isophorone - RERA	120	79.4		ug/L		66	48 - 120
2-Methylphenol - RERA	120	102		ug/L		85	46 - 124
3 & 4 Methylphenol - RERA	120	93.3		ug/L		78	45 - 120
2-Nitroaniline - RERA	120	87.6		ug/L		73	51 - 145
3-Nitroaniline - RERA	120	83.0		ug/L		69	37 - 127
4-Nitroaniline - RERA	120	72.8		ug/L		61	36 - 137
Nitrobenzene - RERA	120	73.6		ug/L		61	45 - 120
2-Nitrophenol - RERA	120	96.4		ug/L		80	40 - 124
4-Nitrophenol - RERA	240	214		ug/L		89	23 - 146
N-Nitrosodimethylamine - RERA	120	86.0		ug/L		72	29 - 137
N-Nitrosodi-n-propylamine - RERA	120	88.5		ug/L		74	45 - 120
N-Nitrosodiphenylamine - RERA	119	101		ug/L		85	54 - 120
Pentachlorophenol - RERA	240	221		ug/L		92	31 - 130
Phenol - RERA	120	76.6		ug/L		64	11 - 120
Pyridine - RERA	240	128		ug/L		53	16 - 120
Quinoline - RERA	120	96.0		ug/L		80	49 - 130
2,4,5-Trichlorophenol - RERA	120	106		ug/L		89	51 - 136
2,4,6-Trichlorophenol - RERA	120	97.3		ug/L		81	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl - RERA	*75*		*46 - 124*
2-Fluorophenol - RERA	*46*		*13 - 113*
Nitrobenzene-d5 - RERA	*70*		*36 - 126*
Phenol-d5 - RERA	*70*		*17 - 127*
Terphenyl-d14 - RERA	*93*		*44 - 149*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - RERA (Continued)

Lab Sample ID: LCS 400-529480/2-A
Matrix: Water
Analysis Batch: 529667

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529480

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol - RERA	*101*		*26 - 150*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-528560/1-A
Matrix: Water
Analysis Batch: 528844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		04/21/21 14:02	04/23/21 13:28	1
Acenaphthylene	ND		0.20	0.045	ug/L		04/21/21 14:02	04/23/21 13:28	1
Anthracene	ND		0.20	0.032	ug/L		04/21/21 14:02	04/23/21 13:28	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		04/21/21 14:02	04/23/21 13:28	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/21/21 14:02	04/23/21 13:28	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/21/21 14:02	04/23/21 13:28	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/21/21 14:02	04/23/21 13:28	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/21/21 14:02	04/23/21 13:28	1
Chrysene	ND		0.20	0.074	ug/L		04/21/21 14:02	04/23/21 13:28	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		04/21/21 14:02	04/23/21 13:28	1
Fluoranthene	ND		0.20	0.068	ug/L		04/21/21 14:02	04/23/21 13:28	1
Fluorene	ND		0.20	0.11	ug/L		04/21/21 14:02	04/23/21 13:28	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/21/21 14:02	04/23/21 13:28	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		04/21/21 14:02	04/23/21 13:28	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		04/21/21 14:02	04/23/21 13:28	1
Phenanthrene	ND		0.20	0.036	ug/L		04/21/21 14:02	04/23/21 13:28	1
Pyrene	ND		0.20	0.040	ug/L		04/21/21 14:02	04/23/21 13:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*76*		*15 - 122*	*04/21/21 14:02*	*04/23/21 13:28*	*1*
Nitrobenzene-d5	*28*		*19 - 130*	*04/21/21 14:02*	*04/23/21 13:28*	*1*
Terphenyl-d14	*83*		*33 - 138*	*04/21/21 14:02*	*04/23/21 13:28*	*1*

Lab Sample ID: LCS 400-528560/2-A
Matrix: Water
Analysis Batch: 528844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	80.0	69.2		ug/L		87	41 - 120
Acenaphthylene	80.0	72.1		ug/L		90	44 - 120
Anthracene	80.0	73.3		ug/L		92	49 - 120
Benzo[a]anthracene	80.0	68.6		ug/L		86	61 - 135
Benzo[a]pyrene	80.0	74.9		ug/L		94	52 - 120
Benzo[b]fluoranthene	80.0	64.4		ug/L		81	53 - 134
Benzo[g,h,i]perylene	80.0	70.2		ug/L		88	47 - 133
Benzo[k]fluoranthene	80.0	64.9		ug/L		81	57 - 134
Chrysene	80.0	65.2		ug/L		81	55 - 122
Dibenz(a,h)anthracene	80.0	67.9		ug/L		85	48 - 146
Fluoranthene	80.0	80.3		ug/L		100	54 - 128

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-528560/2-A
Matrix: Water
Analysis Batch: 528844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	80.0	74.6		ug/L		93	45 - 125
Indeno[1,2,3-cd]pyrene	80.0	69.3		ug/L		87	43 - 142
1-Methylnaphthalene	80.0	57.7		ug/L		72	41 - 120
2-Methylnaphthalene	80.0	63.0		ug/L		79	32 - 124
Phenanthrene	80.0	68.2		ug/L		85	48 - 120
Pyrene	80.0	64.8		ug/L		81	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*15 - 122*
Nitrobenzene-d5	*27*		*19 - 130*
Terphenyl-d14	*90*		*33 - 138*

Lab Sample ID: 400-202080-5 MS
Matrix: Water
Analysis Batch: 528844

Client Sample ID: MW6C-ROX-041421
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		77.7	67.4		ug/L		87	35 - 113
Acenaphthylene	ND		77.7	70.0		ug/L		90	41 - 118
Anthracene	ND		77.7	70.0		ug/L		90	45 - 122
Benzo[a]anthracene	ND		77.7	65.7		ug/L		85	55 - 133
Benzo[a]pyrene	ND		77.7	71.4		ug/L		92	50 - 108
Benzo[b]fluoranthene	ND		77.7	61.3		ug/L		79	50 - 128
Benzo[g,h,i]perylene	ND		77.7	67.8		ug/L		87	46 - 133
Benzo[k]fluoranthene	ND		77.7	61.5		ug/L		79	52 - 128
Chrysene	ND		77.7	63.0		ug/L		81	52 - 116
Dibenz(a,h)anthracene	ND		77.7	65.7		ug/L		85	52 - 143
Fluoranthene	ND		77.7	77.4		ug/L		100	32 - 150
Fluorene	ND		77.7	72.0		ug/L		93	15 - 150
Indeno[1,2,3-cd]pyrene	ND		77.7	66.2		ug/L		85	41 - 141
1-Methylnaphthalene	ND		77.7	55.3		ug/L		71	10 - 150
2-Methylnaphthalene	ND		77.7	60.3		ug/L		78	10 - 150
Phenanthrene	ND		77.7	65.6		ug/L		84	36 - 125
Pyrene	0.039	J	77.7	62.7		ug/L		81	41 - 127

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*85*		*15 - 122*
Nitrobenzene-d5	*26*		*19 - 130*
Terphenyl-d14	*87*		*33 - 138*

Lab Sample ID: 400-202080-5 MSD
Matrix: Water
Analysis Batch: 528844

Client Sample ID: MW6C-ROX-041421
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		76.9	68.0		ug/L		88	35 - 113	1	49
Acenaphthylene	ND		76.9	70.5		ug/L		92	41 - 118	1	48
Anthracene	ND		76.9	71.8		ug/L		93	45 - 122	3	56

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 400-202080-5 MSD
Matrix: Water
Analysis Batch: 528844

Client Sample ID: MW6C-ROX-041421
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[a]anthracene	ND		76.9	66.1		ug/L		86	55 - 133	1	57
Benzo[a]pyrene	ND		76.9	71.8		ug/L		93	50 - 108	1	59
Benzo[b]fluoranthene	ND		76.9	63.7		ug/L		83	50 - 128	4	62
Benzo[g,h,i]perylene	ND		76.9	65.8		ug/L		86	46 - 133	3	58
Benzo[k]fluoranthene	ND		76.9	61.0		ug/L		79	52 - 128	1	58
Chrysene	ND		76.9	63.2		ug/L		82	52 - 116	0	59
Dibenz(a,h)anthracene	ND		76.9	65.4		ug/L		85	52 - 143	0	60
Fluoranthene	ND		76.9	77.6		ug/L		101	32 - 150	0	59
Fluorene	ND		76.9	71.8		ug/L		93	15 - 150	0	49
Indeno[1,2,3-cd]pyrene	ND		76.9	66.5		ug/L		86	41 - 141	0	58
1-Methylnaphthalene	ND		76.9	53.2		ug/L		69	10 - 150	4	66
2-Methylnaphthalene	ND		76.9	58.1		ug/L		76	10 - 150	4	66
Phenanthrene	ND		76.9	66.6		ug/L		87	36 - 125	2	69
Pyrene	0.039	J	76.9	62.9		ug/L		82	41 - 127	0	58

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*15 - 122*
Nitrobenzene-d5	*25*		*19 - 130*
Terphenyl-d14	*88*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-528706/1-A
Matrix: Water
Analysis Batch: 528733

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528706

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		04/22/21 11:01	04/22/21 14:41	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/22/21 11:01	04/22/21 14:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*51 - 149*	*04/22/21 11:01*	*04/22/21 14:41*	*1*

Lab Sample ID: LCS 400-528706/2-A
Matrix: Water
Analysis Batch: 528733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.110		ug/L		109	60 - 140
1,2-Dibromoethane	0.101	0.113		ug/L		112	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*51 - 149*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: 400-202080-5 MS
Matrix: Water
Analysis Batch: 528733

Client Sample ID: MW6C-ROX-041421
Prep Type: Total/NA
Prep Batch: 528706

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND		0.0946	0.102		ug/L		108	65 - 135
1,2-Dibromoethane	ND		0.0948	0.109		ug/L		115	65 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*112*	*p*	*51 - 149*

Lab Sample ID: 400-202080-5 MSD
Matrix: Water
Analysis Batch: 528733

Client Sample ID: MW6C-ROX-041421
Prep Type: Total/NA
Prep Batch: 528706

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		0.0974	0.0993		ug/L		102	65 - 135	3	20
1,2-Dibromoethane	ND		0.0977	0.105		ug/L		107	65 - 135	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*109*	*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 (_____)

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	☐ CHECK IF NO INCIDENT # APPLIES
Bob Mooshegian	25278	DATE: 4/14/21
PO #	GSAP Project ID	PAGE: 1 of 2
60648474 – 3.2.2F	USPC/00114/R/02	

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 – 3.2.2F

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): Aaron Oliver, Tony Jones

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

60648474 – 3.2.2F

400-202080 COC

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270LL
	TB-ROX-041421-8260-A	4/14/21	00:00	Water	2					2	X			
	TB-ROX-041421-8011-A		00:00		2					2		X		
	MW5-ROX-041421		0845		6			2		8	X	X	X	X
	MW6B-ROX-041421		0930		6			2		8	X	X	X	X
	MW6C-ROX-041421		1010		6			2		8	X	X	X	X
	MW6C-ROX-04421-MS		1010		6			2		8	X	X	X	X
	MW6C-ROX-041421-MSD		1010		6			2		8	X	X	X	X
	MW6D-ROX-041421		1220		6			2		8	X	X	X	X
	MW6A-ROX-041421		1320		6			2		8	X	V	X	X

FIELD NOTES:

TEMPERATURE ON RECEIPT C°: 0.0, 0.0, 1.4 IR8

Container PID Readings or Laboratory Notes

	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Fedex: 9509 0064 1423 #9509 0064 1412 #9509 0064 1401	4/14/21	1600
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date: 4-15-21	Time: 1005

CUSTODY SEALS: 1450635 1450634 1450632 1450633 1194876 1194877

Version 2Apr21

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4/30/2021

LAB (LOCATION)

☐ ACCUTEST (_____)

☐ CALSCIENCE (_____)

☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))

☐ Other (_____)

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 – 3.2.2F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 4/14/21

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 – 3.2.2F

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): 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

60648474 – 3.2.2F

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270LL
	TB-ROX-041421-8011-B	4/14/21	0000	Water	2					2		X		
	TB-ROX-041421-8260-B	↓	0000	↓	2					2	X			
	P58-ROX-041421	↓	0925	↓	6			2		8	X	X	X	X

FIELD NOTES:

TEMPERATURE ON RECEIPT C°

Container PID Readings or Laboratory Notes

	Received by: (Signature)	Date	Time
Relinquished by: (Signature) MD'Angelo	Fedex: See Page 1	4/14/21	1600
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received by: (Signature)	Date 4-15-21	Time 7005.

CUSTODY SEALS: See Page 1

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4/30/2021

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-202080-1

Login Number: 202080
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	0.0, 0.0, 1.4°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: 400-202080-1

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
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
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	P330-21-00056	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 – 2nd Quarter 2021 Data Review

Laboratory SDG: 400-202083-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 6/8/2021

Guidance: USEPA National Functional Guidelines for Organic Superfund Methods Data Review 2020

Sample Identification	Sample Identification
TB-ROX-041421-8011-SS	TB-ROX-041421-8260-SS
P93B-ROX-041421	P93D-ROX-041421

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 the LCS/LCSD RPD for benzenethiol was outside evaluation criteria. Sample P93B-ROX-041421 was diluted to bring VOCs and phenol into calibration range of the instrument. The continuing calibration verifications for several SVOCs 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?

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/LCSD 400-528560/4-A/5-A	SVOCs	Benzenethiol	24/12	**71**	10-120/30

Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria 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; analytes were detected in samples that were diluted.

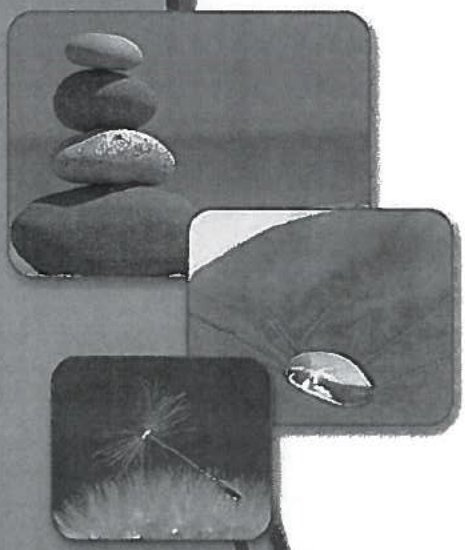
12.0 Additional Qualifications

Were additional qualifications applied?

Yes, the continuing calibration verifications for several SVOCs were outside acceptance criteria, biased low, and are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
P93B-ROX-041421	SVOCs	Aniline	**UJ**
P93B-ROX-041421	SVOCs	Benzyl alcohol	**UJ**
P93B-ROX-041421	SVOCs	1,4-Dioxane	**UJ**
P93B-ROX-041421	SVOCs	Hexachlorocyclopentadiene	**UJ**
P93D-ROX-041421	SVOCs	Aniline	**UJ**
P93D-ROX-041421	SVOCs	Benzyl alcohol	**UJ**
P93D-ROX-041421	SVOCs	1,4-Dioxane	**UJ**
P93D-ROX-041421	SVOCs	Hexachlorocyclopentadiene	**UJ**
P93D-ROX-041421	SVOCs	Phenol	**UJ**

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 400-202083-1
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:
4/30/2021 2:22:06 PM

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

Reviewed 6/8/2021
MR

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.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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Job ID: 400-202083-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-202083-1

Comments
No additional comments.

Receipt
The samples were received on 4/15/2021 10:05 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.0° C, 0.0° C and 1.4° C.

GC/MS VOA
Methods 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: P93B-ROX-041421 (400-202083-3). Elevated reporting limits (RLs) are provided.

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-041421-8260-SS (400-202083-2), P93B-ROX-041421 (400-202083-3) and P93D-ROX-041421 (400-202083-4). 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 continuing calibration verification (CCV) associated with batch 400-528754 recovered above the upper control limit for Hexachlorobenzene. 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 400-528754 recovered above the upper control limit for Quinoline and Dibenz[a,h]acridine. 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 400-528754 recovered outside acceptance criteria, low biased, for Phenol, Hexachlorocyclopentadiene, 1,4-Dioxane, Aniline and 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: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-528560 and analytical batch 400-528896 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The initial calibration verification (ICV) analyzed in batch 400-522411 was outside method criteria for the following analyte(s): Indene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: Bis(2-ethylhexyl) phthalate detection for P93D-WRR-041421 (400-202082-4) was confirmed by re-analysis.

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 400-528733 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.

Job ID: 400-202083-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

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: 400-202083-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-202083-1	TB-ROX-041421-8011-SS	Water	04/14/21 00:00	04/15/21 10:05	
400-202083-2	TB-ROX-041421-8260-SS	Water	04/14/21 00:00	04/15/21 10:05	
400-202083-3	P93B-ROX-041421	Water	04/14/21 10:45	04/15/21 10:05	
400-202083-4	P93D-ROX-041421	Water	04/14/21 12:15	04/15/21 10:05	

Detection Summary

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

Job ID: 400-202083-1

Client Sample ID: TB-ROX-041421-8011-SS

Lab Sample ID: 400-202083-1

No Detections.

Client Sample ID: TB-ROX-041421-8260-SS

Lab Sample ID: 400-202083-2

No Detections.

Client Sample ID: P93B-ROX-041421

Lab Sample ID: 400-202083-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1300000		5000	1900	ug/L	5000		8260B	Total/NA
Benzo[b]fluoranthene	0.063	J	0.21	0.036	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.11	J	0.21	0.071	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	0.28		0.21	0.078	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	0.20	J	0.21	0.063	ug/L	1		8270D LL	Total/NA
Pyrene	0.086	J	0.21	0.042	ug/L	1		8270D LL	Total/NA
3 & 4 Methylphenol	2.0	J	21	0.41	ug/L	1		8270D	Total/NA
Phenol - DL	390		53	14	ug/L	5		8270D	Total/NA

Client Sample ID: P93D-ROX-041421

Lab Sample ID: 400-202083-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.8		1.0	0.38	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	1.4		1.0	0.74	ug/L	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	7.5	J	10	5.1	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: 400-202083-1

Client Sample ID: TB-ROX-041421-8011-SS
Date Collected: 04/14/21 00:00
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202083-1
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		0.028	0.0052	ug/L		04/22/21 11:01	04/22/21 19:40	1
1,2-Dibromoethane	ND		0.019	0.0047	ug/L		04/22/21 11:01	04/22/21 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*	*p*	*51 - 149*	*04/22/21 11:01*	*04/22/21 19:40*	*1*

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

Job ID: 400-202083-1

Client Sample ID: TB-ROX-041421-8260-SS
Date Collected: 04/14/21 00:00
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202083-2
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			04/28/21 10:14	1
Acrolein	ND		20	10	ug/L			04/28/21 10:14	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/21 10:14	1
Benzene	ND		1.0	0.38	ug/L			04/28/21 10:14	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/21 10:14	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/21 10:14	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/21 10:14	1
Bromoform	ND		5.0	0.71	ug/L			04/28/21 10:14	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/21 10:14	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/21 10:14	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/21 10:14	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/28/21 10:14	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/28/21 10:14	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/28/21 10:14	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/21 10:14	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/21 10:14	1
Chloroform	ND		1.0	0.60	ug/L			04/28/21 10:14	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/28/21 10:14	1
Chloromethane	ND		1.0	0.83	ug/L			04/28/21 10:14	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 10:14	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 10:14	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/21 10:14	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/21 10:14	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/21 10:14	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/21 10:14	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 10:14	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 10:14	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 10:14	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 10:14	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 10:14	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 10:14	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/28/21 10:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/21 10:14	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/21 10:14	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/21 10:14	1
2-Hexanone	ND		25	3.1	ug/L			04/28/21 10:14	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/21 10:14	1
Methylene bromide	ND		5.0	0.59	ug/L			04/28/21 10:14	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/21 10:14	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/21 10:14	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/28/21 10:14	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/28/21 10:14	1
Naphthalene	ND		1.0	1.0	ug/L			04/28/21 10:14	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/21 10:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/21 10:14	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/21 10:14	1
o-Xylene	ND		5.0	0.60	ug/L			04/28/21 10:14	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/21 10:14	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/21 10:14	1

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

Job ID: 400-202083-1

Client Sample ID: TB-ROX-041421-8260-SS
Date Collected: 04/14/21 00:00
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202083-2
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			04/28/21 10:14	1
Styrene	ND		1.0	1.0	ug/L			04/28/21 10:14	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/21 10:14	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/28/21 10:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/21 10:14	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/28/21 10:14	1
Toluene	ND		1.0	0.41	ug/L			04/28/21 10:14	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 10:14	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 10:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/28/21 10:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/21 10:14	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/28/21 10:14	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/28/21 10:14	1
Trichloroethene	ND		1.0	0.50	ug/L			04/28/21 10:14	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/28/21 10:14	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/21 10:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/21 10:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/21 10:14	1
Vinyl acetate	ND		25	2.0	ug/L			04/28/21 10:14	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/28/21 10:14	1
Xylenes, Total	ND		10	1.6	ug/L			04/28/21 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*04/28/21 10:14*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*04/28/21 10:14*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/28/21 10:14*	*1*

Client Sample ID: P93B-ROX-041421
Date Collected: 04/14/21 10:45
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202083-3
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			04/28/21 12:33	5000
Acrolein	ND		100000	50000	ug/L			04/28/21 12:33	5000
Acrylonitrile	ND		50000	14000	ug/L			04/28/21 12:33	5000
Benzene	1300000		5000	1900	ug/L			04/28/21 12:33	5000
Bromobenzene	ND		5000	2700	ug/L			04/28/21 12:33	5000
Bromochloromethane	ND		5000	2600	ug/L			04/28/21 12:33	5000
Bromodichloromethane	ND		5000	2500	ug/L			04/28/21 12:33	5000
Bromoform	ND		25000	3600	ug/L			04/28/21 12:33	5000
Bromomethane	ND		5000	4900	ug/L			04/28/21 12:33	5000
2-Butanone (MEK)	ND		130000	13000	ug/L			04/28/21 12:33	5000
Carbon disulfide	ND		5000	2500	ug/L			04/28/21 12:33	5000
Carbon tetrachloride	ND		5000	2500	ug/L			04/28/21 12:33	5000
Chlorobenzene	ND		5000	2500	ug/L			04/28/21 12:33	5000
Dibromochloromethane	ND		5000	2500	ug/L			04/28/21 12:33	5000
Chloroethane	ND		5000	3800	ug/L			04/28/21 12:33	5000
2-Chloroethyl vinyl ether	ND		25000	10000	ug/L			04/28/21 12:33	5000
Chloroform	ND		5000	3000	ug/L			04/28/21 12:33	5000
1-Chlorohexane	ND		5000	3500	ug/L			04/28/21 12:33	5000
Chloromethane	ND		5000	4200	ug/L			04/28/21 12:33	5000
cis-1,2-Dichloroethene	ND		5000	2500	ug/L			04/28/21 12:33	5000
cis-1,3-Dichloropropene	ND		25000	2500	ug/L			04/28/21 12:33	5000
1,2-Dichlorobenzene	ND		5000	2500	ug/L			04/28/21 12:33	5000
1,3-Dichlorobenzene	ND		5000	2700	ug/L			04/28/21 12:33	5000
1,4-Dichlorobenzene	ND		5000	3200	ug/L			04/28/21 12:33	5000
Dichlorodifluoromethane	ND		5000	4300	ug/L			04/28/21 12:33	5000
1,1-Dichloroethane	ND		5000	2500	ug/L			04/28/21 12:33	5000
1,2-Dichloroethane	ND		5000	2500	ug/L			04/28/21 12:33	5000
1,1-Dichloroethene	ND		5000	2500	ug/L			04/28/21 12:33	5000
1,2-Dichloropropane	ND		5000	2500	ug/L			04/28/21 12:33	5000
1,3-Dichloropropane	ND		5000	2500	ug/L			04/28/21 12:33	5000
2,2-Dichloropropane	ND		5000	2500	ug/L			04/28/21 12:33	5000
1,1-Dichloropropene	ND		5000	2500	ug/L			04/28/21 12:33	5000
Ethylbenzene	ND		5000	2500	ug/L			04/28/21 12:33	5000
Ethyl methacrylate	ND		5000	3000	ug/L			04/28/21 12:33	5000
Hexachlorobutadiene	ND		25000	4500	ug/L			04/28/21 12:33	5000
2-Hexanone	ND		130000	16000	ug/L			04/28/21 12:33	5000
Isopropylbenzene	ND		5000	2700	ug/L			04/28/21 12:33	5000
Methylene bromide	ND		25000	3000	ug/L			04/28/21 12:33	5000
Methylene Chloride	ND		25000	15000	ug/L			04/28/21 12:33	5000
4-Methyl-2-pentanone (MIBK)	ND		130000	9000	ug/L			04/28/21 12:33	5000
Methyl tert-butyl ether	ND		5000	3700	ug/L			04/28/21 12:33	5000
m-Xylene & p-Xylene	ND		25000	8000	ug/L			04/28/21 12:33	5000
Naphthalene	ND		5000	5000	ug/L			04/28/21 12:33	5000
n-Butylbenzene	ND		5000	3800	ug/L			04/28/21 12:33	5000
N-Propylbenzene	ND		5000	3500	ug/L			04/28/21 12:33	5000
o-Chlorotoluene	ND		5000	2900	ug/L			04/28/21 12:33	5000
o-Xylene	ND		25000	3000	ug/L			04/28/21 12:33	5000
p-Chlorotoluene	ND		5000	2800	ug/L			04/28/21 12:33	5000
p-Isopropyltoluene	ND		5000	3600	ug/L			04/28/21 12:33	5000

Client Sample ID: P93B-ROX-041421

Date Collected: 04/14/21 10:45
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202083-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		5000	3500	ug/L			04/28/21 12:33	5000
Styrene	ND		5000	5000	ug/L			04/28/21 12:33	5000
tert-Butylbenzene	ND		5000	3200	ug/L			04/28/21 12:33	5000
1,1,1,2-Tetrachloroethane	ND		5000	2600	ug/L			04/28/21 12:33	5000
1,1,2,2-Tetrachloroethane	ND		5000	2500	ug/L			04/28/21 12:33	5000
Tetrachloroethene	ND		5000	2900	ug/L			04/28/21 12:33	5000
Toluene	ND		5000	2100	ug/L			04/28/21 12:33	5000
trans-1,2-Dichloroethene	ND		5000	2500	ug/L			04/28/21 12:33	5000
trans-1,3-Dichloropropene	ND		25000	2500	ug/L			04/28/21 12:33	5000
1,2,3-Trichlorobenzene	ND		5000	3500	ug/L			04/28/21 12:33	5000
1,2,4-Trichlorobenzene	ND		5000	4100	ug/L			04/28/21 12:33	5000
1,1,1-Trichloroethane	ND		5000	2500	ug/L			04/28/21 12:33	5000
1,1,2-Trichloroethane	ND		25000	2500	ug/L			04/28/21 12:33	5000
Trichloroethene	ND		5000	2500	ug/L			04/28/21 12:33	5000
Trichlorofluoromethane	ND		5000	2600	ug/L			04/28/21 12:33	5000
1,2,3-Trichloropropane	ND		25000	4200	ug/L			04/28/21 12:33	5000
1,2,4-Trimethylbenzene	ND		5000	4100	ug/L			04/28/21 12:33	5000
1,3,5-Trimethylbenzene	ND		5000	2800	ug/L			04/28/21 12:33	5000
Vinyl acetate	ND		130000	10000	ug/L			04/28/21 12:33	5000
Vinyl chloride	ND		5000	2500	ug/L			04/28/21 12:33	5000
Xylenes, Total	ND		50000	8000	ug/L			04/28/21 12:33	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*04/28/21 12:33*	*5000*
Dibromofluoromethane	*106*		*81 - 121*		*04/28/21 12:33*	*5000*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/28/21 12:33*	*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		0.21	0.034	ug/L		04/21/21 14:03	04/23/21 16:04	1
Acenaphthylene	ND		0.21	0.047	ug/L		04/21/21 14:03	04/23/21 16:04	1
Anthracene	ND		0.21	0.034	ug/L		04/21/21 14:03	04/23/21 16:04	1
Benzo[a]anthracene	ND		0.21	0.048	ug/L		04/21/21 14:03	04/23/21 16:04	1
Benzo[a]pyrene	ND		0.21	0.044	ug/L		04/21/21 14:03	04/23/21 16:04	1
Benzo[b]fluoranthene	**0.063**	**J**	0.21	0.036	ug/L		04/21/21 14:03	04/23/21 16:04	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		04/21/21 14:03	04/23/21 16:04	1
Benzo[k]fluoranthene	ND		0.21	0.11	ug/L		04/21/21 14:03	04/23/21 16:04	1
Chrysene	ND		0.21	0.078	ug/L		04/21/21 14:03	04/23/21 16:04	1
Dibenz(a,h)anthracene	ND		0.21	0.053	ug/L		04/21/21 14:03	04/23/21 16:04	1
Fluoranthene	**0.11**	**J**	0.21	0.071	ug/L		04/21/21 14:03	04/23/21 16:04	1
Fluorene	ND		0.21	0.12	ug/L		04/21/21 14:03	04/23/21 16:04	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.045	ug/L		04/21/21 14:03	04/23/21 16:04	1
1-Methylnaphthalene	**0.28**		0.21	0.078	ug/L		04/21/21 14:03	04/23/21 16:04	1
2-Methylnaphthalene	**0.20**	**J**	0.21	0.063	ug/L		04/21/21 14:03	04/23/21 16:04	1
Phenanthrene	ND		0.21	0.038	ug/L		04/21/21 14:03	04/23/21 16:04	1
Pyrene	**0.086**	**J**	0.21	0.042	ug/L		04/21/21 14:03	04/23/21 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*15 - 122*	*04/21/21 14:03*	*04/23/21 16:04*	*1*
Nitrobenzene-d5	*41*		*19 - 130*	*04/21/21 14:03*	*04/23/21 16:04*	*1*

Client Sample ID: P93B-ROX-041421
Date Collected: 04/14/21 10:45
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202083-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	92		33 - 138	04/21/21 14:03	04/23/21 16:04	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	UJ	11	4.0	ug/L		04/21/21 14:03	04/22/21 18:37	1
Benzenethiol	ND	*1	11	1.8	ug/L		04/21/21 14:03	04/23/21 23:57	1
Benzoic acid	ND		32	7.7	ug/L		04/21/21 14:03	04/22/21 18:37	1
Benzyl alcohol	ND	UJ	11	2.1	ug/L		04/21/21 14:03	04/22/21 18:37	1
Bis(2-chloroethoxy)methane	ND		11	0.17	ug/L		04/21/21 14:03	04/22/21 18:37	1
Bis(2-chloroethyl)ether	ND		11	2.8	ug/L		04/21/21 14:03	04/22/21 18:37	1
bis (2-chloroisopropyl) ether	ND		11	0.17	ug/L		04/21/21 14:03	04/22/21 18:37	1
Bis(2-ethylhexyl) phthalate	ND		11	5.3	ug/L		04/21/21 14:03	04/22/21 18:37	1
4-Bromophenyl phenyl ether	ND		11	0.21	ug/L		04/21/21 14:03	04/22/21 18:37	1
Butyl benzyl phthalate	ND		11	0.20	ug/L		04/21/21 14:03	04/22/21 18:37	1
4-Chloroaniline	ND		11	3.6	ug/L		04/21/21 14:03	04/22/21 18:37	1
4-Chloro-3-methylphenol	ND		11	4.0	ug/L		04/21/21 14:03	04/22/21 18:37	1
2-Chloronaphthalene	ND		11	0.15	ug/L		04/21/21 14:03	04/22/21 18:37	1
2-Chlorophenol	ND		11	2.3	ug/L		04/21/21 14:03	04/22/21 18:37	1
4-Chlorophenyl phenyl ether	ND		11	2.1	ug/L		04/21/21 14:03	04/22/21 18:37	1
Dibenz[a,h]acridine	ND		11	1.1	ug/L		04/21/21 14:03	04/22/21 18:37	1
Dibenzofuran	ND		11	0.18	ug/L		04/21/21 14:03	04/22/21 18:37	1
3,3'-Dichlorobenzidine	ND		11	2.7	ug/L		04/21/21 14:03	04/22/21 18:37	1
2,4-Dichlorophenol	ND		11	3.2	ug/L		04/21/21 14:03	04/22/21 18:37	1
Diethyl phthalate	ND		11	0.25	ug/L		04/21/21 14:03	04/22/21 18:37	1
2,4-Dimethylphenol	ND		11	3.7	ug/L		04/21/21 14:03	04/22/21 18:37	1
Dimethyl phthalate	ND		11	0.18	ug/L		04/21/21 14:03	04/22/21 18:37	1
Di-n-butyl phthalate	ND		11	2.8	ug/L		04/21/21 14:03	04/22/21 18:37	1
4,6-Dinitro-ortho-cresol	ND		11	1.7	ug/L		04/21/21 14:03	04/22/21 18:37	1
2,4-Dinitrophenol	ND		32	3.6	ug/L		04/21/21 14:03	04/22/21 18:37	1
2,4-Dinitrotoluene	ND		11	2.0	ug/L		04/21/21 14:03	04/22/21 18:37	1
2,6-Dinitrotoluene	ND		11	2.0	ug/L		04/21/21 14:03	04/22/21 18:37	1
Di-n-octyl phthalate	ND		11	0.18	ug/L		04/21/21 14:03	04/22/21 18:37	1
1,4-Dioxane	ND	UJ	11	1.1	ug/L		04/21/21 14:03	04/22/21 18:37	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		11	1.1	ug/L		04/21/21 14:03	04/22/21 18:37	1
Hexachlorobenzene	ND		11	0.18	ug/L		04/21/21 14:03	04/22/21 18:37	1
Hexachlorocyclopentadiene	ND	UJ	21	2.7	ug/L		04/21/21 14:03	04/22/21 18:37	1
Hexachloroethane	ND		11	4.4	ug/L		04/21/21 14:03	04/22/21 18:37	1
Indene	ND		11	1.1	ug/L		04/21/21 14:03	04/22/21 18:37	1
Isophorone	ND		11	0.15	ug/L		04/21/21 14:03	04/22/21 18:37	1
2-Methylphenol	ND		11	1.9	ug/L		04/21/21 14:03	04/22/21 18:37	1
3 & 4 Methylphenol	**2.0**	**J**	21	0.41	ug/L		04/21/21 14:03	04/22/21 18:37	1
2-Nitroaniline	ND		11	2.3	ug/L		04/21/21 14:03	04/22/21 18:37	1
3-Nitroaniline	ND		11	1.9	ug/L		04/21/21 14:03	04/22/21 18:37	1
4-Nitroaniline	ND		11	1.6	ug/L		04/21/21 14:03	04/22/21 18:37	1
Nitrobenzene	ND		11	0.14	ug/L		04/21/21 14:03	04/22/21 18:37	1
2-Nitrophenol	ND		11	5.5	ug/L		04/21/21 14:03	04/22/21 18:37	1
4-Nitrophenol	ND		11	2.2	ug/L		04/21/21 14:03	04/22/21 18:37	1
N-Nitrosodimethylamine	ND		11	3.7	ug/L		04/21/21 14:03	04/22/21 18:37	1

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

Job ID: 400-202083-1

Client Sample ID: P93B-ROX-041421
Date Collected: 04/14/21 10:45
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202083-3
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		11	3.5	ug/L		04/21/21 14:03	04/22/21 18:37	1
N-Nitrosodiphenylamine	ND		11	0.19	ug/L		04/21/21 14:03	04/22/21 18:37	1
Pentachlorophenol	ND		21	1.5	ug/L		04/21/21 14:03	04/22/21 18:37	1
Pyridine	ND		11	3.4	ug/L		04/21/21 14:03	04/22/21 18:37	1
Quinoline	ND		11	4.7	ug/L		04/21/21 14:03	04/22/21 18:37	1
2,4,5-Trichlorophenol	ND		11	3.9	ug/L		04/21/21 14:03	04/22/21 18:37	1
2,4,6-Trichlorophenol	ND		11	3.7	ug/L		04/21/21 14:03	04/22/21 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*46 - 124*	*04/21/21 14:03*	*04/22/21 18:37*	*1*
2-Fluorophenol	*25*		*13 - 113*	*04/21/21 14:03*	*04/22/21 18:37*	*1*
Nitrobenzene-d5	*62*		*36 - 126*	*04/21/21 14:03*	*04/22/21 18:37*	*1*
Phenol-d5	*53*		*17 - 127*	*04/21/21 14:03*	*04/22/21 18:37*	*1*
Terphenyl-d14	*90*		*44 - 149*	*04/21/21 14:03*	*04/22/21 18:37*	*1*
2,4,6-Tribromophenol	*112*		*26 - 150*	*04/21/21 14:03*	*04/22/21 18:37*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	390		53	14	ug/L		04/21/21 14:03	04/27/21 15:18	5

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		0.028	0.0052	ug/L		04/22/21 11:01	04/22/21 19:59	1
1,2-Dibromoethane	ND		0.019	0.0047	ug/L		04/22/21 11:01	04/22/21 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*	*p*	*51 - 149*	*04/22/21 11:01*	*04/22/21 19:59*	*1*

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

Job ID: 400-202083-1

Client Sample ID: P93D-ROX-041421
Date Collected: 04/14/21 12:15
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202083-4
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			04/28/21 10:37	1
Acrolein	ND		20	10	ug/L			04/28/21 10:37	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/21 10:37	1
Benzene	**1.8**		1.0	0.38	ug/L			04/28/21 10:37	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/21 10:37	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/21 10:37	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/21 10:37	1
Bromoform	ND		5.0	0.71	ug/L			04/28/21 10:37	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/21 10:37	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/21 10:37	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/21 10:37	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/28/21 10:37	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/28/21 10:37	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/28/21 10:37	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/21 10:37	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/21 10:37	1
Chloroform	ND		1.0	0.60	ug/L			04/28/21 10:37	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/28/21 10:37	1
Chloromethane	ND		1.0	0.83	ug/L			04/28/21 10:37	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 10:37	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 10:37	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/21 10:37	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/21 10:37	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/21 10:37	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/21 10:37	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 10:37	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 10:37	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 10:37	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 10:37	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 10:37	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 10:37	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/28/21 10:37	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/21 10:37	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/21 10:37	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/21 10:37	1
2-Hexanone	ND		25	3.1	ug/L			04/28/21 10:37	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/21 10:37	1
Methylene bromide	ND		5.0	0.59	ug/L			04/28/21 10:37	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/21 10:37	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/21 10:37	1
Methyl tert-butyl ether	**1.4**		1.0	0.74	ug/L			04/28/21 10:37	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/28/21 10:37	1
Naphthalene	ND		1.0	1.0	ug/L			04/28/21 10:37	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/21 10:37	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/21 10:37	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/21 10:37	1
o-Xylene	ND		5.0	0.60	ug/L			04/28/21 10:37	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/21 10:37	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/21 10:37	1

Client Sample ID: P93D-ROX-041421
Date Collected: 04/14/21 12:15
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202083-4
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			04/28/21 10:37	1
Styrene	ND		1.0	1.0	ug/L			04/28/21 10:37	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/21 10:37	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/28/21 10:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/21 10:37	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/28/21 10:37	1
Toluene	ND		1.0	0.41	ug/L			04/28/21 10:37	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 10:37	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 10:37	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/28/21 10:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/21 10:37	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/28/21 10:37	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/28/21 10:37	1
Trichloroethene	ND		1.0	0.50	ug/L			04/28/21 10:37	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/28/21 10:37	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/21 10:37	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/21 10:37	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/21 10:37	1
Vinyl acetate	ND		25	2.0	ug/L			04/28/21 10:37	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/28/21 10:37	1
Xylenes, Total	ND		10	1.6	ug/L			04/28/21 10:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*04/28/21 10:37*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*04/28/21 10:37*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*04/28/21 10:37*	*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		04/21/21 14:03	04/23/21 16:19	1
Acenaphthylene	ND		0.20	0.046	ug/L		04/21/21 14:03	04/23/21 16:19	1
Anthracene	ND		0.20	0.033	ug/L		04/21/21 14:03	04/23/21 16:19	1
Benzo[a]anthracene	ND		0.20	0.047	ug/L		04/21/21 14:03	04/23/21 16:19	1
Benzo[a]pyrene	ND		0.20	0.043	ug/L		04/21/21 14:03	04/23/21 16:19	1
Benzo[b]fluoranthene	ND		0.20	0.035	ug/L		04/21/21 14:03	04/23/21 16:19	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/21/21 14:03	04/23/21 16:19	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/21/21 14:03	04/23/21 16:19	1
Chrysene	ND		0.20	0.076	ug/L		04/21/21 14:03	04/23/21 16:19	1
Dibenz(a,h)anthracene	ND		0.20	0.051	ug/L		04/21/21 14:03	04/23/21 16:19	1
Fluoranthene	ND		0.20	0.069	ug/L		04/21/21 14:03	04/23/21 16:19	1
Fluorene	ND		0.20	0.11	ug/L		04/21/21 14:03	04/23/21 16:19	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.044	ug/L		04/21/21 14:03	04/23/21 16:19	1
1-Methylnaphthalene	ND		0.20	0.076	ug/L		04/21/21 14:03	04/23/21 16:19	1
2-Methylnaphthalene	ND		0.20	0.061	ug/L		04/21/21 14:03	04/23/21 16:19	1
Phenanthrene	ND		0.20	0.037	ug/L		04/21/21 14:03	04/23/21 16:19	1
Pyrene	ND		0.20	0.041	ug/L		04/21/21 14:03	04/23/21 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*15 - 122*	*04/21/21 14:03*	*04/23/21 16:19*	*1*
Nitrobenzene-d5	*40*		*19 - 130*	*04/21/21 14:03*	*04/23/21 16:19*	*1*

Client Sample ID: P93D-ROX-041421

Date Collected: 04/14/21 12:15
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202083-4

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*90*		*33 - 138*	*04/21/21 14:03*	*04/23/21 16:19*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	UJ	10	3.9	ug/L		04/21/21 14:03	04/22/21 19:03	1
Benzenethiol	ND	*1	10	1.7	ug/L		04/21/21 14:03	04/24/21 00:20	1
Benzoic acid	ND		31	7.4	ug/L		04/21/21 14:03	04/22/21 19:03	1
Benzyl alcohol	ND	UJ	10	2.0	ug/L		04/21/21 14:03	04/22/21 19:03	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/21/21 14:03	04/22/21 19:03	1
Bis(2-chloroethyl)ether	ND		10	2.8	ug/L		04/21/21 14:03	04/22/21 19:03	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/21/21 14:03	04/22/21 19:03	1
Bis(2-ethylhexyl) phthalate	**7.5**	**J**	10	5.1	ug/L		04/21/21 14:03	04/22/21 19:03	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/21/21 14:03	04/22/21 19:03	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/21/21 14:03	04/22/21 19:03	1
4-Chloroaniline	ND		10	3.5	ug/L		04/21/21 14:03	04/22/21 19:03	1
4-Chloro-3-methylphenol	ND		10	3.9	ug/L		04/21/21 14:03	04/22/21 19:03	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/21/21 14:03	04/22/21 19:03	1
2-Chlorophenol	ND		10	2.2	ug/L		04/21/21 14:03	04/22/21 19:03	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/21/21 14:03	04/22/21 19:03	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/21/21 14:03	04/22/21 19:03	1
Dibenzofuran	ND		10	0.17	ug/L		04/21/21 14:03	04/22/21 19:03	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		04/21/21 14:03	04/22/21 19:03	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		04/21/21 14:03	04/22/21 19:03	1
Diethyl phthalate	ND		10	0.24	ug/L		04/21/21 14:03	04/22/21 19:03	1
2,4-Dimethylphenol	ND		10	3.6	ug/L		04/21/21 14:03	04/22/21 19:03	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/21/21 14:03	04/22/21 19:03	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		04/21/21 14:03	04/22/21 19:03	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/21/21 14:03	04/22/21 19:03	1
2,4-Dinitrophenol	ND		31	3.5	ug/L		04/21/21 14:03	04/22/21 19:03	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/21/21 14:03	04/22/21 19:03	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/21/21 14:03	04/22/21 19:03	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/21/21 14:03	04/22/21 19:03	1
1,4-Dioxane	ND	UJ	10	1.0	ug/L		04/21/21 14:03	04/22/21 19:03	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/21/21 14:03	04/22/21 19:03	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/21/21 14:03	04/22/21 19:03	1
Hexachlorocyclopentadiene	ND	UJ	20	2.7	ug/L		04/21/21 14:03	04/22/21 19:03	1
Hexachloroethane	ND		10	4.3	ug/L		04/21/21 14:03	04/22/21 19:03	1
Indene	ND		10	1.0	ug/L		04/21/21 14:03	04/22/21 19:03	1
Isophorone	ND		10	0.14	ug/L		04/21/21 14:03	04/22/21 19:03	1
2-Methylphenol	ND		10	1.8	ug/L		04/21/21 14:03	04/22/21 19:03	1
3 & 4 Methylphenol	ND		20	0.40	ug/L		04/21/21 14:03	04/22/21 19:03	1
2-Nitroaniline	ND		10	2.2	ug/L		04/21/21 14:03	04/22/21 19:03	1
3-Nitroaniline	ND		10	1.8	ug/L		04/21/21 14:03	04/22/21 19:03	1
4-Nitroaniline	ND		10	1.5	ug/L		04/21/21 14:03	04/22/21 19:03	1
Nitrobenzene	ND		10	0.13	ug/L		04/21/21 14:03	04/22/21 19:03	1
2-Nitrophenol	ND		10	5.3	ug/L		04/21/21 14:03	04/22/21 19:03	1
4-Nitrophenol	ND		10	2.1	ug/L		04/21/21 14:03	04/22/21 19:03	1
N-Nitrosodimethylamine	ND		10	3.6	ug/L		04/21/21 14:03	04/22/21 19:03	1

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

Job ID: 400-202083-1

Client Sample ID: P93D-ROX-041421
Date Collected: 04/14/21 12:15
Date Received: 04/15/21 10:05

Lab Sample ID: 400-202083-4
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	3.4	ug/L		04/21/21 14:03	04/22/21 19:03	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/21/21 14:03	04/22/21 19:03	1
Pentachlorophenol	ND		20	1.4	ug/L		04/21/21 14:03	04/22/21 19:03	1
Phenol	ND	UJ	10	2.7	ug/L		04/21/21 14:03	04/22/21 19:03	1
Pyridine	ND		10	3.3	ug/L		04/21/21 14:03	04/22/21 19:03	1
Quinoline	ND		10	4.6	ug/L		04/21/21 14:03	04/22/21 19:03	1
2,4,5-Trichlorophenol	ND		10	3.8	ug/L		04/21/21 14:03	04/22/21 19:03	1
2,4,6-Trichlorophenol	ND		10	3.6	ug/L		04/21/21 14:03	04/22/21 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*46 - 124*	*04/21/21 14:03*	*04/22/21 19:03*	*1*
2-Fluorophenol	*35*		*13 - 113*	*04/21/21 14:03*	*04/22/21 19:03*	*1*
Nitrobenzene-d5	*60*		*36 - 126*	*04/21/21 14:03*	*04/22/21 19:03*	*1*
Phenol-d5	*51*		*17 - 127*	*04/21/21 14:03*	*04/22/21 19:03*	*1*
Terphenyl-d14	*88*		*44 - 149*	*04/21/21 14:03*	*04/22/21 19:03*	*1*
2,4,6-Tribromophenol	*100*		*26 - 150*	*04/21/21 14:03*	*04/22/21 19:03*	*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	0.0052	ug/L		04/22/21 11:01	04/22/21 20:20	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		04/22/21 11:01	04/22/21 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*	*p*	*51 - 149*	*04/22/21 11:01*	*04/22/21 20:20*	*1*

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*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.

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: 400-202083-1

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)
400-202083-2	TB-ROX-041421-8260-SS	99	104	93
400-202083-3	P93B-ROX-041421	95	106	93
400-202083-4	P93D-ROX-041421	99	101	95
LCS 400-529436/1002	Lab Control Sample	100	98	96
MB 400-529436/4	Method Blank	100	99	95

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)
400-202083-3	P93B-ROX-041421	87	25	62	53	90	112
400-202083-4	P93D-ROX-041421	84	35	60	51	88	100
LCS 400-528560/2-A	Lab Control Sample	85	51	80	84	116	111
LCS 400-528560/4-A	Lab Control Sample	58	22	58	51	103	75
LCSD 400-528560/5-A	Lab Control Sample Dup	61	13	60	41	110	67
MB 400-528560/1-A	Method Blank	89	66	82	87	110	78

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)
400-202083-3	P93B-ROX-041421	84	41	92
400-202083-4	P93D-ROX-041421	82	40	90
LCS 400-528560/2-A	Lab Control Sample	86	27	90
MB 400-528560/1-A	Method Blank	76	28	83

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: 400-202083-1

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)
400-202083-1	TB-ROX-041421-8011-SS	96 p
400-202083-3	P93B-ROX-041421	92 p
400-202083-4	P93D-ROX-041421	100 p
LCS 400-528706/2-A	Lab Control Sample	108
MB 400-528706/1-A	Method Blank	109

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

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

Job ID: 400-202083-1

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: 400-202083-1

Client Sample ID: TB-ROX-041421-8011-SS

Lab Sample ID: 400-202083-1
Matrix: Water
Date Collected: 04/14/21 00:00
Date Received: 04/15/21 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8011			37.1 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 19:40	DS	TAL PEN

Client Sample ID: TB-ROX-041421-8260-SS

Lab Sample ID: 400-202083-2
Matrix: Water
Date Collected: 04/14/21 00:00
Date Received: 04/15/21 10:05

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	529436	04/28/21 10:14	WPD	TAL PEN

Client Sample ID: P93B-ROX-041421

Lab Sample ID: 400-202083-3
Matrix: Water
Date Collected: 04/14/21 10:45
Date Received: 04/15/21 10:05

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	529436	04/28/21 12:33	WPD	TAL PEN
Total/NA	Prep	3520C	DL		237.8 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D	DL	5			529302	04/27/21 15:18	S1B	TAL PEN
Total/NA	Prep	3520C			237.8 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528754	04/22/21 18:37	S1B	TAL PEN
Total/NA	Prep	3520C			237.8 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/23/21 23:57	VC1	TAL PEN
Total/NA	Prep	3520C			237.8 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528844	04/23/21 16:04	PP1	TAL PEN
Total/NA	Prep	8011			37.1 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 19:59	DS	TAL PEN

Client Sample ID: P93D-ROX-041421

Lab Sample ID: 400-202083-4
Matrix: Water
Date Collected: 04/14/21 12:15
Date Received: 04/15/21 10:05

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	529436	04/28/21 10:37	WPD	TAL PEN
Total/NA	Prep	3520C			245 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528754	04/22/21 19:03	S1B	TAL PEN
Total/NA	Prep	3520C			245 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/24/21 00:20	VC1	TAL PEN
Total/NA	Prep	3520C			245 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528844	04/23/21 16:19	PP1	TAL PEN
Total/NA	Prep	8011			36.7 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 20:20	DS	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-528560/1-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	528560	04/21/21 14:02	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528893	04/23/21 15:36	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	528560	04/21/21 14:02	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			528844	04/23/21 13:28	PP1	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-528706/1-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	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 14:41	DS	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-529436/4
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	529436	04/28/21 08:18	WPD	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-528560/2-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	528560	04/21/21 14:02	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528701	04/22/21 22:27	VC1	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	528560	04/21/21 14:02	HMW	TAL PEN
Total/NA	Analysis	8270D LL		5			528844	04/23/21 13:43	PP1	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-528560/4-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			250 mL	1 mL	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/23/21 21:19	VC1	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-528706/2-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	8011			35 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 15:00	DS	TAL PEN

Lab Chronicle

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

Job ID: 400-202083-1

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-529436/1002
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	529436	04/28/21 07:24	WPD	TAL PEN

Client Sample ID: Lab Control Sample Dup

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-528560/5-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	528560	04/21/21 14:03	HMW	TAL PEN
Total/NA	Analysis	8270D		1			528896	04/23/21 21:41	VC1	TAL PEN

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS VOA

Analysis Batch: 529436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202083-2	TB-ROX-041421-8260-SS	Total/NA	Water	8260B	
400-202083-3	P93B-ROX-041421	Total/NA	Water	8260B	
400-202083-4	P93D-ROX-041421	Total/NA	Water	8260B	
MB 400-529436/4	Method Blank	Total/NA	Water	8260B	
LCS 400-529436/1002	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 528560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202083-3 - DL	P93B-ROX-041421	Total/NA	Water	3520C	
400-202083-3	P93B-ROX-041421	Total/NA	Water	3520C	
400-202083-4	P93D-ROX-041421	Total/NA	Water	3520C	
MB 400-528560/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-528560/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-528560/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-528560/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 528701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-528560/2-A	Lab Control Sample	Total/NA	Water	8270D	528560

Analysis Batch: 528754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202083-3	P93B-ROX-041421	Total/NA	Water	8270D	528560
400-202083-4	P93D-ROX-041421	Total/NA	Water	8270D	528560

Analysis Batch: 528844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202083-3	P93B-ROX-041421	Total/NA	Water	8270D LL	528560
400-202083-4	P93D-ROX-041421	Total/NA	Water	8270D LL	528560
MB 400-528560/1-A	Method Blank	Total/NA	Water	8270D LL	528560
LCS 400-528560/2-A	Lab Control Sample	Total/NA	Water	8270D LL	528560

Analysis Batch: 528893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-528560/1-A	Method Blank	Total/NA	Water	8270D	528560

Analysis Batch: 528896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202083-3	P93B-ROX-041421	Total/NA	Water	8270D	528560
400-202083-4	P93D-ROX-041421	Total/NA	Water	8270D	528560
LCS 400-528560/4-A	Lab Control Sample	Total/NA	Water	8270D	528560
LCSD 400-528560/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	528560

Analysis Batch: 529302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202083-3 - DL	P93B-ROX-041421	Total/NA	Water	8270D	528560

QC Association Summary

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

Job ID: 400-202083-1

GC Semi VOA

Prep Batch: 528706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202083-1	TB-ROX-041421-8011-SS	Total/NA	Water	8011	
400-202083-3	P93B-ROX-041421	Total/NA	Water	8011	
400-202083-4	P93D-ROX-041421	Total/NA	Water	8011	
MB 400-528706/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-528706/2-A	Lab Control Sample	Total/NA	Water	8011	

Analysis Batch: 528733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202083-1	TB-ROX-041421-8011-SS	Total/NA	Water	8011	528706
400-202083-3	P93B-ROX-041421	Total/NA	Water	8011	528706
400-202083-4	P93D-ROX-041421	Total/NA	Water	8011	528706
MB 400-528706/1-A	Method Blank	Total/NA	Water	8011	528706
LCS 400-528706/2-A	Lab Control Sample	Total/NA	Water	8011	528706

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-529436/4
Matrix: Water
Analysis Batch: 529436

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			04/28/21 08:18	1
Acrolein	ND		20	10	ug/L			04/28/21 08:18	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/21 08:18	1
Benzene	ND		1.0	0.38	ug/L			04/28/21 08:18	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/21 08:18	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/21 08:18	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/21 08:18	1
Bromoform	ND		5.0	0.71	ug/L			04/28/21 08:18	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/21 08:18	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/21 08:18	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/21 08:18	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/28/21 08:18	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/28/21 08:18	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/28/21 08:18	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/21 08:18	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/21 08:18	1
Chloroform	ND		1.0	0.60	ug/L			04/28/21 08:18	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/28/21 08:18	1
Chloromethane	ND		1.0	0.83	ug/L			04/28/21 08:18	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 08:18	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 08:18	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/21 08:18	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/21 08:18	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/21 08:18	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/21 08:18	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 08:18	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 08:18	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 08:18	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 08:18	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 08:18	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 08:18	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/28/21 08:18	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/21 08:18	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/21 08:18	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/21 08:18	1
2-Hexanone	ND		25	3.1	ug/L			04/28/21 08:18	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/21 08:18	1
Methylene bromide	ND		5.0	0.59	ug/L			04/28/21 08:18	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/21 08:18	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/21 08:18	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/28/21 08:18	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/28/21 08:18	1
Naphthalene	ND		1.0	1.0	ug/L			04/28/21 08:18	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/21 08:18	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/21 08:18	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/21 08:18	1
o-Xylene	ND		5.0	0.60	ug/L			04/28/21 08:18	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/21 08:18	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-529436/4
Matrix: Water
Analysis Batch: 529436

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			04/28/21 08:18	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/28/21 08:18	1
Styrene	ND		1.0	1.0	ug/L			04/28/21 08:18	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/21 08:18	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/28/21 08:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/21 08:18	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/28/21 08:18	1
Toluene	ND		1.0	0.41	ug/L			04/28/21 08:18	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 08:18	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 08:18	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/28/21 08:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/21 08:18	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/28/21 08:18	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/28/21 08:18	1
Trichloroethene	ND		1.0	0.50	ug/L			04/28/21 08:18	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/28/21 08:18	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/21 08:18	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/21 08:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/21 08:18	1
Vinyl acetate	ND		25	2.0	ug/L			04/28/21 08:18	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/28/21 08:18	1
Xylenes, Total	ND		10	1.6	ug/L			04/28/21 08:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*78 - 118*		*04/28/21 08:18*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*04/28/21 08:18*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*04/28/21 08:18*	*1*

Lab Sample ID: LCS 400-529436/1002
Matrix: Water
Analysis Batch: 529436

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	181		ug/L		90	43 - 160
Acrolein	500	440		ug/L		88	38 - 160
Acrylonitrile	500	415		ug/L		83	64 - 142
Benzene	50.0	43.5		ug/L		87	70 - 130
Bromobenzene	50.0	42.3		ug/L		85	70 - 132
Bromochloromethane	50.0	40.0		ug/L		80	70 - 130
Bromodichloromethane	50.0	42.4		ug/L		85	67 - 133
Bromoform	50.0	37.1		ug/L		74	57 - 140
Bromomethane	50.0	49.0		ug/L		98	10 - 160
2-Butanone (MEK)	200	173		ug/L		86	61 - 145
Carbon disulfide	50.0	41.7		ug/L		83	61 - 137
Carbon tetrachloride	50.0	43.1		ug/L		86	61 - 137
Chlorobenzene	50.0	41.2		ug/L		82	70 - 130
Dibromochloromethane	50.0	38.0		ug/L		76	67 - 135
Chloroethane	50.0	42.4		ug/L		85	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529436/1002
Matrix: Water
Analysis Batch: 529436

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	41.3		ug/L		83	10 - 160
Chloroform	50.0	42.6		ug/L		85	69 - 130
1-Chlorohexane	50.0	45.9		ug/L		92	69 - 130
Chloromethane	50.0	44.2		ug/L		88	58 - 137
cis-1,2-Dichloroethene	50.0	44.5		ug/L		89	68 - 130
cis-1,3-Dichloropropene	50.0	42.0		ug/L		84	69 - 132
1,2-Dichlorobenzene	50.0	40.6		ug/L		81	67 - 130
1,3-Dichlorobenzene	50.0	42.7		ug/L		85	70 - 130
1,4-Dichlorobenzene	50.0	42.3		ug/L		85	70 - 130
Dichlorodifluoromethane	50.0	44.7		ug/L		89	41 - 146
1,1-Dichloroethane	50.0	42.7		ug/L		85	70 - 130
1,2-Dichloroethane	50.0	41.9		ug/L		84	69 - 130
1,1-Dichloroethene	50.0	44.3		ug/L		89	63 - 134
1,2-Dichloropropane	50.0	42.6		ug/L		85	70 - 130
1,3-Dichloropropane	50.0	39.1		ug/L		78	70 - 130
2,2-Dichloropropane	50.0	44.0		ug/L		88	52 - 135
1,1-Dichloropropene	50.0	41.9		ug/L		84	70 - 130
Ethylbenzene	50.0	40.9		ug/L		82	70 - 130
Ethyl methacrylate	50.0	40.3		ug/L		81	68 - 130
Hexachlorobutadiene	50.0	47.9		ug/L		96	53 - 140
2-Hexanone	200	150		ug/L		75	65 - 137
Isopropylbenzene	50.0	42.6		ug/L		85	70 - 130
Methylene bromide	50.0	44.6		ug/L		89	70 - 130
Methylene Chloride	50.0	41.5		ug/L		83	66 - 135
4-Methyl-2-pentanone (MIBK)	200	165		ug/L		83	69 - 138
Methyl tert-butyl ether	50.0	43.1		ug/L		86	66 - 130
m-Xylene & p-Xylene	50.0	42.7		ug/L		85	70 - 130
Naphthalene	50.0	37.6		ug/L		75	47 - 149
n-Butylbenzene	50.0	45.0		ug/L		90	67 - 130
N-Propylbenzene	50.0	44.6		ug/L		89	70 - 130
o-Chlorotoluene	50.0	42.4		ug/L		85	70 - 130
o-Xylene	50.0	41.6		ug/L		83	70 - 130
p-Chlorotoluene	50.0	43.1		ug/L		86	70 - 130
p-Isopropyltoluene	50.0	44.3		ug/L		89	65 - 130
sec-Butylbenzene	50.0	43.3		ug/L		87	66 - 130
Styrene	50.0	40.3		ug/L		81	70 - 130
tert-Butylbenzene	50.0	44.9		ug/L		90	64 - 139
1,1,1,2-Tetrachloroethane	50.0	41.6		ug/L		83	67 - 131
1,1,2,2-Tetrachloroethane	50.0	38.6		ug/L		77	70 - 131
Tetrachloroethene	50.0	42.0		ug/L		84	65 - 130
Toluene	50.0	40.3		ug/L		81	70 - 130
trans-1,2-Dichloroethene	50.0	43.2		ug/L		86	70 - 130
trans-1,3-Dichloropropene	50.0	39.5		ug/L		79	63 - 130
1,2,3-Trichlorobenzene	50.0	40.8		ug/L		82	60 - 138
1,2,4-Trichlorobenzene	50.0	41.6		ug/L		83	60 - 140
1,1,1-Trichloroethane	50.0	43.2		ug/L		86	68 - 130
1,1,2-Trichloroethane	50.0	39.4		ug/L		79	70 - 130
Trichloroethene	50.0	46.0		ug/L		92	70 - 130
Trichlorofluoromethane	50.0	46.6		ug/L		93	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529436/1002
Matrix: Water
Analysis Batch: 529436

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	37.7		ug/L		75	70 - 130
1,2,4-Trimethylbenzene	50.0	41.8		ug/L		84	70 - 130
1,3,5-Trimethylbenzene	50.0	43.2		ug/L		86	69 - 130
Vinyl acetate	100	97.3		ug/L		97	26 - 160
Vinyl chloride	50.0	44.5		ug/L		89	59 - 136
Xylenes, Total	100	84.3		ug/L		84	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*98*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-528560/1-A
Matrix: Water
Analysis Batch: 528893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		04/21/21 14:02	04/23/21 15:36	1
Benzenethiol	ND		10	1.7	ug/L		04/21/21 14:02	04/23/21 15:36	1
Benzoic acid	ND		30	7.3	ug/L		04/21/21 14:02	04/23/21 15:36	1
Benzyl alcohol	ND		10	2.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/21/21 14:02	04/23/21 15:36	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/21/21 14:02	04/23/21 15:36	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/21/21 14:02	04/23/21 15:36	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/21/21 14:02	04/23/21 15:36	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/21/21 14:02	04/23/21 15:36	1
4-Chloroaniline	ND		10	3.4	ug/L		04/21/21 14:02	04/23/21 15:36	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		04/21/21 14:02	04/23/21 15:36	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/21/21 14:02	04/23/21 15:36	1
2-Chlorophenol	ND		10	2.2	ug/L		04/21/21 14:02	04/23/21 15:36	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Dibenzofuran	ND		10	0.17	ug/L		04/21/21 14:02	04/23/21 15:36	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Diethyl phthalate	ND		10	0.24	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		04/21/21 14:02	04/23/21 15:36	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/21/21 14:02	04/23/21 15:36	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/21/21 14:02	04/23/21 15:36	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/21/21 14:02	04/23/21 15:36	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/21/21 14:02	04/23/21 15:36	1
1,4-Dioxane	ND		10	1.0	ug/L		04/21/21 14:02	04/23/21 15:36	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-528560/1-A
Matrix: Water
Analysis Batch: 528893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/21/21 14:02	04/23/21 15:36	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/21/21 14:02	04/23/21 15:36	1
Hexachloroethane	ND		10	4.2	ug/L		04/21/21 14:02	04/23/21 15:36	1
Indene	ND		10	1.0	ug/L		04/21/21 14:02	04/23/21 15:36	1
Isophorone	ND		10	0.14	ug/L		04/21/21 14:02	04/23/21 15:36	1
2-Methylphenol	ND		10	1.8	ug/L		04/21/21 14:02	04/23/21 15:36	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/21/21 14:02	04/23/21 15:36	1
2-Nitroaniline	ND		10	2.2	ug/L		04/21/21 14:02	04/23/21 15:36	1
3-Nitroaniline	ND		10	1.8	ug/L		04/21/21 14:02	04/23/21 15:36	1
4-Nitroaniline	ND		10	1.5	ug/L		04/21/21 14:02	04/23/21 15:36	1
Nitrobenzene	ND		10	0.13	ug/L		04/21/21 14:02	04/23/21 15:36	1
2-Nitrophenol	ND		10	5.2	ug/L		04/21/21 14:02	04/23/21 15:36	1
4-Nitrophenol	ND		10	2.1	ug/L		04/21/21 14:02	04/23/21 15:36	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		04/21/21 14:02	04/23/21 15:36	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		04/21/21 14:02	04/23/21 15:36	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/21/21 14:02	04/23/21 15:36	1
Pentachlorophenol	ND		20	1.4	ug/L		04/21/21 14:02	04/23/21 15:36	1
Phenol	ND		10	2.6	ug/L		04/21/21 14:02	04/23/21 15:36	1
Pyridine	ND		10	3.2	ug/L		04/21/21 14:02	04/23/21 15:36	1
Quinoline	ND		10	4.5	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/21/21 14:02	04/23/21 15:36	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/21/21 14:02	04/23/21 15:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*89*		*46 - 124*	*04/21/21 14:02*	*04/23/21 15:36*	*1*
2-Fluorophenol	*66*		*13 - 113*	*04/21/21 14:02*	*04/23/21 15:36*	*1*
Nitrobenzene-d5	*82*		*36 - 126*	*04/21/21 14:02*	*04/23/21 15:36*	*1*
Phenol-d5	*87*		*17 - 127*	*04/21/21 14:02*	*04/23/21 15:36*	*1*
Terphenyl-d14	*110*		*44 - 149*	*04/21/21 14:02*	*04/23/21 15:36*	*1*
2,4,6-Tribromophenol	*78*		*26 - 150*	*04/21/21 14:02*	*04/23/21 15:36*	*1*

Lab Sample ID: LCS 400-528560/2-A
Matrix: Water
Analysis Batch: 528701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	80.0	66.1		ug/L		83	21 - 120
Benzoic acid	502	187		ug/L		37	10 - 144
Benzyl alcohol	80.0	71.5		ug/L		89	28 - 120
Bis(2-chloroethoxy)methane	80.0	56.9		ug/L		71	47 - 120
Bis(2-chloroethyl)ether	80.0	53.9		ug/L		67	44 - 120
bis (2-chloroisopropyl) ether	80.0	57.7		ug/L		72	33 - 121
Bis(2-ethylhexyl) phthalate	80.0	83.6		ug/L		105	52 - 147
4-Bromophenyl phenyl ether	80.0	75.8		ug/L		95	54 - 122
Butyl benzyl phthalate	80.0	89.2		ug/L		112	54 - 133
4-Chloroaniline	80.0	48.7		ug/L		61	26 - 120
4-Chloro-3-methylphenol	80.0	75.9		ug/L		95	48 - 131

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528560/2-A
Matrix: Water
Analysis Batch: 528701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	80.0	65.6		ug/L		82	52 - 121
2-Chlorophenol	80.0	61.9		ug/L		77	40 - 120
4-Chlorophenyl phenyl ether	80.0	73.9		ug/L		92	56 - 125
Dibenz[a,h]acridine	120	103		ug/L		86	31 - 150
Dibenzofuran	80.0	70.5		ug/L		88	56 - 122
3,3'-Dichlorobenzidine	160	149		ug/L		93	36 - 132
2,4-Dichlorophenol	80.0	67.3		ug/L		84	49 - 120
Diethyl phthalate	80.0	78.7		ug/L		98	50 - 137
2,4-Dimethylphenol	80.0	64.5		ug/L		81	48 - 120
Dimethyl phthalate	80.0	73.8		ug/L		92	57 - 124
Di-n-butyl phthalate	80.0	84.5		ug/L		106	58 - 126
4,6-Dinitro-ortho-cresol	160	108		ug/L		68	23 - 148
2,4-Dinitrophenol	160	146		ug/L		91	10 - 150
2,4-Dinitrotoluene	80.0	78.1		ug/L		98	54 - 142
2,6-Dinitrotoluene	80.0	74.9		ug/L		94	55 - 130
Di-n-octyl phthalate	80.0	79.1		ug/L		99	57 - 138
1,4-Dioxane	80.0	45.9		ug/L		57	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	80.0	63.9		ug/L		80	45 - 124
Hexachlorobenzene	80.0	82.2		ug/L		103	52 - 129
Hexachlorocyclopentadiene	80.0	45.9		ug/L		57	10 - 134
Hexachloroethane	80.0	65.6		ug/L		82	20 - 120
Indene	120	106		ug/L		89	49 - 120
Isophorone	80.0	60.4		ug/L		76	48 - 120
2-Methylphenol	80.0	72.4		ug/L		91	46 - 124
3 & 4 Methylphenol	80.0	68.1		ug/L		85	45 - 120
2-Nitroaniline	80.0	65.7		ug/L		82	51 - 145
3-Nitroaniline	80.0	54.4		ug/L		68	37 - 127
4-Nitroaniline	80.0	52.5		ug/L		66	36 - 137
Nitrobenzene	80.0	56.8		ug/L		71	45 - 120
2-Nitrophenol	80.0	71.1		ug/L		89	40 - 124
4-Nitrophenol	160	134		ug/L		83	23 - 146
N-Nitrosodimethylamine	80.0	60.8		ug/L		76	29 - 137
N-Nitrosodi-n-propylamine	80.0	70.4		ug/L		88	45 - 120
N-Nitrosodiphenylamine	79.4	66.7		ug/L		84	54 - 120
Pentachlorophenol	160	130		ug/L		82	31 - 130
Phenol	80.0	58.8		ug/L		73	11 - 120
Pyridine	160	89.1		ug/L		56	16 - 120
Quinoline	120	109		ug/L		91	49 - 130
2,4,5-Trichlorophenol	80.0	75.5		ug/L		94	51 - 136
2,4,6-Trichlorophenol	80.0	71.4		ug/L		89	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*85*		*46 - 124*
2-Fluorophenol	*51*		*13 - 113*
Nitrobenzene-d5	*80*		*36 - 126*
Phenol-d5	*84*		*17 - 127*
Terphenyl-d14	*116*		*44 - 149*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528560/2-A
Matrix: Water
Analysis Batch: 528701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528560

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	111		26 - 150

Lab Sample ID: LCS 400-528560/4-A
Matrix: Water
Analysis Batch: 528896

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528560

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol			120	29.1		ug/L		24	10 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	58		46 - 124
2-Fluorophenol	22		13 - 113
Nitrobenzene-d5	58		36 - 126
Phenol-d5	51		17 - 127
Terphenyl-d14	103		44 - 149
2,4,6-Tribromophenol	75		26 - 150

Lab Sample ID: LCSD 400-528560/5-A
Matrix: Water
Analysis Batch: 528896

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528560

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol			120	13.9	*1	ug/L		12	10 - 120	71	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	61		46 - 124
2-Fluorophenol	13		13 - 113
Nitrobenzene-d5	60		36 - 126
Phenol-d5	41		17 - 127
Terphenyl-d14	110		44 - 149
2,4,6-Tribromophenol	67		26 - 150

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-528560/1-A
Matrix: Water
Analysis Batch: 528844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		04/21/21 14:02	04/23/21 13:28	1
Acenaphthylene	ND		0.20	0.045	ug/L		04/21/21 14:02	04/23/21 13:28	1
Anthracene	ND		0.20	0.032	ug/L		04/21/21 14:02	04/23/21 13:28	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		04/21/21 14:02	04/23/21 13:28	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/21/21 14:02	04/23/21 13:28	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/21/21 14:02	04/23/21 13:28	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/21/21 14:02	04/23/21 13:28	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/21/21 14:02	04/23/21 13:28	1
Chrysene	ND		0.20	0.074	ug/L		04/21/21 14:02	04/23/21 13:28	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 400-528560/1-A
Matrix: Water
Analysis Batch: 528844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		04/21/21 14:02	04/23/21 13:28	1
Fluoranthene	ND		0.20	0.068	ug/L		04/21/21 14:02	04/23/21 13:28	1
Fluorene	ND		0.20	0.11	ug/L		04/21/21 14:02	04/23/21 13:28	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/21/21 14:02	04/23/21 13:28	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		04/21/21 14:02	04/23/21 13:28	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		04/21/21 14:02	04/23/21 13:28	1
Phenanthrene	ND		0.20	0.036	ug/L		04/21/21 14:02	04/23/21 13:28	1
Pyrene	ND		0.20	0.040	ug/L		04/21/21 14:02	04/23/21 13:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*15 - 122*	*04/21/21 14:02*	*04/23/21 13:28*	*1*
Nitrobenzene-d5	*28*		*19 - 130*	*04/21/21 14:02*	*04/23/21 13:28*	*1*
Terphenyl-d14	*83*		*33 - 138*	*04/21/21 14:02*	*04/23/21 13:28*	*1*

Lab Sample ID: LCS 400-528560/2-A
Matrix: Water
Analysis Batch: 528844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	80.0	69.2		ug/L		87	41 - 120
Acenaphthylene	80.0	72.1		ug/L		90	44 - 120
Anthracene	80.0	73.3		ug/L		92	49 - 120
Benzo[a]anthracene	80.0	68.6		ug/L		86	61 - 135
Benzo[a]pyrene	80.0	74.9		ug/L		94	52 - 120
Benzo[b]fluoranthene	80.0	64.4		ug/L		81	53 - 134
Benzo[g,h,i]perylene	80.0	70.2		ug/L		88	47 - 133
Benzo[k]fluoranthene	80.0	64.9		ug/L		81	57 - 134
Chrysene	80.0	65.2		ug/L		81	55 - 122
Dibenz(a,h)anthracene	80.0	67.9		ug/L		85	48 - 146
Fluoranthene	80.0	80.3		ug/L		100	54 - 128
Fluorene	80.0	74.6		ug/L		93	45 - 125
Indeno[1,2,3-cd]pyrene	80.0	69.3		ug/L		87	43 - 142
1-Methylnaphthalene	80.0	57.7		ug/L		72	41 - 120
2-Methylnaphthalene	80.0	63.0		ug/L		79	32 - 124
Phenanthrene	80.0	68.2		ug/L		85	48 - 120
Pyrene	80.0	64.8		ug/L		81	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*15 - 122*
Nitrobenzene-d5	*27*		*19 - 130*
Terphenyl-d14	*90*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-528706/1-A
Matrix: Water
Analysis Batch: 528733

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528706

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		04/22/21 11:01	04/22/21 14:41	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/22/21 11:01	04/22/21 14:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*51 - 149*	*04/22/21 11:01*	*04/22/21 14:41*	*1*

Lab Sample ID: LCS 400-528706/2-A
Matrix: Water
Analysis Batch: 528733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.110		ug/L		109	60 - 140
1,2-Dibromoethane	0.101	0.113		ug/L		112	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*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 (_____)

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	☐ CHECK IF NO INCIDENT # APPLIES
Bob Mooshegian	25278	DATE: 4/14/21
PO #	GSAP Project ID	PAGE: 1 of 1
60648474 – 3.2.2F	USPC/00114/R/02	

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 – 3.2.2F
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): MD'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
SPLIT REPORT

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED
☐ PROVIDE LEDD DISK

REQUESTED ANALYSIS
60648474 – 3.2.2F

400-202083 COC

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
0.0, 0.0, 1.4°C
IR8

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270LL	Container PID Readings or Laboratory Notes
	TB-ROX-041421-8011-SS	4/14/21	0000	Water	2					2		X			
	TB-ROX-041421-8260SS		0000		2					2	X				split sample/report
	P93B-ROX-041421		1045		6			2		8	X	X	X	X	
	P93D-ROX-041421		1215		6			2		8	X	X	X	X	

Relinquished by: (Signature) MD'Angelo — Date: 4/14/21
Received by: (Signature) Fedex: # 9509 0064 1423 # 9509 0064 1412 # 9509 0064 1401 — Date: 4/14/21 Time: 1600
Relinquished by: (Signature)
Received by: (Signature)
Relinquished by: (Signature)
Received by: (Signature) — Date: 4-15-21 Time: 1005

CUSTODY SEALS: 1450635 1450634 1450632 1450633 1194876 1194877

Version: 2Apr21

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4/30/2021

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-202083-1

Login Number: 202083
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	0.0, 0.0, 1.4°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.
Job ID: 400-202083-1
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
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
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	P330-21-00056	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 – 2nd Quarter 2021 Data Review

Laboratory SDG: 400-202162-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 6/8/2021

Guidance: USEPA National Functional Guidelines for Organic Superfund Methods Data Review 2020

Sample Identification	Sample Identification
TB-ROX-041521-8260	TB-ROX-041521-8011
ROST4PZG-ROX-041521	ROST4PZG-ROX-041521-Dup
MW2-ROX-041521	MW2-ROX-041521-Dup
ROST4PZC-ROX-041521-EB	ROST4PZC-ROX-041521
MW22-ROX-041521	

1.0 Data Package Completeness

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

No; although the COC requested analysis for Method 8270 SVOC and Method 8270_LL PAH analysis, sample MW22-ROX-041521 was inadvertently not analyzed for inclusion in SDG 400-202162-1. See SDG 400-202162-2 for sample MW22-ROX-041521 Method 8270 SVOC and Method 8270_LL PAH analysis.

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 carbon disulfide was detected in the equipment blank. Several LCS/LCSD recoveries, and the LCS/LCSD RPD for benzenethiol, were outside evaluation criteria. Several SVOC/PAH surrogates were outside criteria in several investigative and quality control samples. Results for 1-methylnapthalene and 2-methylnaphthalene in field duplicate pair MW2-ROX-041521/ MW2-ROX-041521-Dup were qualified due to field duplicate RPD above evaluation criteria; therefore, results were qualified as estimated (J). Several samples were diluted to bring VOCs into calibration range of the instrument. The continuing calibration verifications for bromomethane and hexachlorocyclopentadiene 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
ROST4PZC-ROX-041521-EB	VOCs	Caron disulfide	0.63 µg/L
MB 400-528698/1-A	PAHs	Dibenz(a,h)anthracene	0.0500 µg/L
MB 400-528698/1-A	PAHs	Fluoranthene	0.0765 µg/L
MB 400-528698/1-A	PAHs	Pyrene	0.0729 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
ROST4PZG-ROX-041521	PAHs	Fluoranthene	-	**U**
ROST4PZG-ROX-041521	PAHs	Pyrene	-	**U**
ROST4PZC-ROX-041521	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 400-528698/2-A	SVOCs	2-Chlorophenol	**22**	NA	40-120
LCS 400-528698/2-A	SVOCs	2-Nitrophenol	**29**	NA	40-124
LCS/LCSD 400-528698/3-A/4-A	SVOCs	Benzenethiol	**1/0.2**	**145**	10-120/30

Analytical data that required qualification based on LCS/LCSD data are included in the table below. Professional judgment was used to qualify, however not reject, data associated with benzenethiol in LCS/LCSD 400-528698/3-A/4-A; benzenethiol has been identified as a poor performing analyte under Method 8270. Analytical data associated with LCS/LCSD RPD alone outside evaluation criteria did not require qualification.

Sample ID	Parameter	Analyte	Qualification
ROST4PZG-ROX-041521	SVOCs	Benzenethiol	**UJ**
ROST4PZG-ROX-041521	SVOCs	2-Chlorophenol	**UJ**
ROST4PZG-ROX-041521	SVOCs	2-Nitrophenol	**UJ**
ROST4PZG-ROX-041521-Dup	SVOCs	Benzenethiol	**UJ**
ROST4PZG-ROX-041521-Dup	SVOCs	2-Chlorophenol	**UJ**
ROST4PZG-ROX-041521-Dup	SVOCs	2-Nitrophenol	**UJ**
MW2-ROX-041521	SVOCs	Benzenethiol	**UJ**

Sample ID	Parameter	Analyte	Qualification
MW2-ROX-041521	SVOCs	2-Chlorophenol	**UJ**
MW2-ROX-041521	SVOCs	2-Nitrophenol	**UJ**
MW2-ROX-041521-Dup	SVOCs	Benzenethiol	**UJ**
MW2-ROX-041521-Dup	SVOCs	2-Chlorophenol	**UJ**
MW2-ROX-041521-Dup	SVOCs	2-Nitrophenol	**UJ**
ROST4PZC-ROX-041521	SVOCs	Benzenethiol	**UJ**
ROST4PZC-ROX-041521	SVOCs	2-Chlorophenol	**UJ**
ROST4PZC-ROX-041521	SVOCs	2-Nitrophenol	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW2-ROX-041521	SVOCs	2-Fluorophenol	**0**	13-113
MW2-ROX-041521	SVOCs	Phenol-d_5	**14**	17-127
MW2-ROX-041521-Dup	PAHs	Nitrobenzene-d_5	**15**	19-130
MW2-ROX-041521-Dup	SVOCs	2-Fluorobiphenyl	**42**	46-124
MW2-ROX-041521-Dup	SVOCs	2-Fluorophenol	**0**	13-113
MW2-ROX-041521-Dup	SVOCs	Phenol-d_5	**0.5**	17-127
MW2-ROX-041521-Dup	SVOCs	2,4,6-Tribromophenol	**0**	26-150
ROST4PZC-ROX-041521	SVOCs	2-Fluorophenol	**12**	13-113
LCS 400-528698/2-A	SVOCs	2-Fluorophenol	**8**	13-113

Analytical data that required qualification based on surrogate data are included in the table below. Qualifications due to surrogate recoveries were not required if only one of three acid SVOC surrogate recoveries were outside evaluation criteria in sample MW14-ROX-040921.

Sample ID	Parameter	Analyte	Qualification
MW2-ROX-041521	SVOCs	Benzoic acid	**UJ**
MW2-ROX-041521	SVOCs	Benzyl alcohol	**UJ**
MW2-ROX-041521	SVOCs	4-Chloro-3-methylphenol	**UJ**
MW2-ROX-041521	SVOCs	2,4-Dichlorophenol	**UJ**
MW2-ROX-041521	SVOCs	2,4-Dimethylphenol	**UJ**
MW2-ROX-041521	SVOCs	2,4-Dinitrophenol	**UJ**
MW2-ROX-041521	SVOCs	2-Methylphenol	**UJ**
MW2-ROX-041521	SVOCs	3&4-Methylphenol	**UJ**
MW2-ROX-041521	SVOCs	4-Nitrophenol	**UJ**
MW2-ROX-041521	SVOCs	Pentachlorophenol	**UJ**
MW2-ROX-041521	SVOCs	Phenol	**UJ**
MW2-ROX-041521	SVOCs	2,4,5-Trichlorophenol	**UJ**
MW2-ROX-041521	SVOCs	2,4,6-Trichlorophenol	**UJ**
MW2-ROX-041521-Dup	SVOCs	Benzoic acid	**UJ**
MW2-ROX-041521-Dup	SVOCs	Benzyl alcohol	**UJ**
MW2-ROX-041521-Dup	SVOCs	4-Chloro-3-methylphenol	**UJ**

Sample ID	Parameter	Analyte	Qualification
MW2-ROX-041521-Dup	SVOCs	2,4-Dichlorophenol	UJ
MW2-ROX-041521-Dup	SVOCs	2,4-Dimethylphenol	UJ
MW2-ROX-041521-Dup	SVOCs	2,4-Dinitrophenol	UJ
MW2-ROX-041521-Dup	SVOCs	2-Methylphenol	UJ
MW2-ROX-041521-Dup	SVOCs	3&4-Methylphenol	UJ
MW2-ROX-041521-Dup	SVOCs	4-Nitrophenol	UJ
MW2-ROX-041521-Dup	SVOCs	Pentachlorophenol	UJ
MW2-ROX-041521-Dup	SVOCs	Phenol	UJ
MW2-ROX-041521-Dup	SVOCs	2,4,5-Trichlorophenol	UJ
MW2-ROX-041521-Dup	SVOCs	2,4,6-Trichlorophenol	UJ

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
ROST4PZG-ROX-041521	ROST4PZG-ROX-041521-Dup
MW2-ROX-041521	MW2-ROX-041521-Dup

Were field duplicates within evaluation criteria?

No

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
MW2-ROX-041521	MW2-ROX-041521-Dup	PAHs	1-Methylnaphthalene	60	J/J
MW2-ROX-041521	MW2-ROX-041521-Dup	PAHs	2-Methylnaphthalene	62	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 verifications for bromomethane and hexachlorocyclopentadiene were outside acceptance criteria, biased low, and are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
ROST4PZG-ROX-041521	VOCs	Bromomethane	**UJ**
ROST4PZG-ROX-041521-Dup	VOCs	Bromomethane	**UJ**
MW2-ROX-041521	VOCs	Bromomethane	**UJ**
MW2-ROX-041521-Dup	VOCs	Bromomethane	**UJ**
ROST4PZC-ROX-041521	VOCs	Bromomethane	**UJ**
ROST4PZG-ROX-041521	SVOCs	Hexachlorocyclopentadiene	**UJ**
ROST4PZG-ROX-041521-Dup	SVOCs	Hexachlorocyclopentadiene	**UJ**
MW2-ROX-041521	SVOCs	Hexachlorocyclopentadiene	**UJ**
MW2-ROX-041521-Dup	SVOCs	Hexachlorocyclopentadiene	**UJ**
ROST4PZC-ROX-041521	SVOCs	Hexachlorocyclopentadiene	**UJ**

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ANALYTICAL REPORT

Eurofins TestAmerica, Pensacola
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Tel: (850)474-1001

Laboratory Job ID: 400-202162-1
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:
4/30/2021 4:08:02 PM

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LINKS

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Reviewed 6/8/2021 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: 400-202162-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-202162-1

Comments
No additional comments.

Receipt
The samples were received on 4/16/2021 & 4/17/2021 9:37 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.4° C, 2.8° C, 4.1° C and 4.3° C.

GC/MS VOA
Method 8260B: The continuing calibration verification (CCV) associated with batch 400-529569 recovered outside acceptance criteria, low biased, for Bromomethane. 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-041521-8260 (400-202162-1), ROST4PZG-ROX-041521 (400-202162-3), ROST4PZG-ROX-041521-DUP (400-202162-4), MW2-ROX-041521 (400-202162-5), MW2-ROX-041521-DUP (400-202162-6), ROST4PZC-ROX-041521-EB (400-202162-7), ROST4PZC-ROX-041521 (400-202162-8), MW22-ROX-041521 (400-202162-9). 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 samples were diluted due to the abundance of non-target analytes: MW2-ROX-041521 (400-202162-5), MW2-ROX-041521-DUP (400-202162-6) and ROST4PZC-ROX-041521 (400-202162-8). Elevated reporting limits (RLs) are provided.

Method 8260B: Sample ROST4PZC-ROX-041521-EB (400-202162-7) contains Carbon disulfide above the method detection limit (MDL). The associated trip blank was non-detect; therefore, the data is reported.

Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW22-ROX-041521 (400-202162-9). 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: 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: ROST4PZC-ROX-041521 (400-202162-8), (LCS 400-528698/2-A) and (LCS 400-528698/3-A). These results have been reported and qualified.

Method 8270D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-528698 and analytical batch 400-529074 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 following analyte(s) recovered outside control limits for the LCS associated with preparation batch 400-528698 and analytical batch 400-529074: 2,4-Dichlorophenol, 2-Chlorophenol and 2-Nitrophenol. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270D: Surrogate recovery for the following samples were outside control limits: MW2-ROX-041521 (400-202162-5) and MW2-ROX-041521-DUP (400-202162-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-529074 recovered outside acceptance criteria, low biased, for Hexachlorocyclopentadiene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the

Job ID: 400-202162-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

associated samples were non-detect for this analyte, the data have been reported.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-528698 and analytical batch 400-529074 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The following analyte(s) recovered outside control limits for the LCS associated with preparation batch 400-528698 and analytical batch 400-529379: 2-Chlorophenol and 2-Nitrophenol. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results 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 400-528698/2-A). These results have been reported and qualified.

Method 8270D LL: The method blank for preparation batch 400-528698 and analytical batch 400-529075 contained Pyrene, Fluoranthene and Dibenz(a,h)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: Three 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: MW2-ROX-041521-DUP (400-202162-6). These results have been reported and qualified.

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 400-528733 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 400-528939 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: 400-202162-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-202162-1	TB-ROX-041521-8260	Water	04/15/21 00:00	04/16/21 09:37	
400-202162-2	TB-ROX-041521-8011	Water	04/15/21 00:00	04/16/21 09:37	
400-202162-3	ROST4PZG-ROX-041521	Water	04/15/21 09:15	04/16/21 09:37	
400-202162-4	ROST4PZG-ROX-041521-DUP	Water	04/15/21 09:15	04/16/21 09:37	
400-202162-5	MW2-ROX-041521	Water	04/15/21 10:15	04/16/21 09:37	
400-202162-6	MW2-ROX-041521-DUP	Water	04/15/21 10:15	04/16/21 09:37	
400-202162-7	ROST4PZC-ROX-041521-EB	Water	04/15/21 10:50	04/16/21 09:37	
400-202162-8	ROST4PZC-ROX-041521	Water	04/15/21 11:40	04/16/21 09:37	
400-202162-9	MW22-ROX-041521	Water	04/15/21 12:25	04/16/21 09:37	

Detection Summary

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

Job ID: 400-202162-1

Client Sample ID: TB-ROX-041521-8260 — Lab Sample ID: 400-202162-1

No Detections.

Client Sample ID: TB-ROX-041521-8011 — Lab Sample ID: 400-202162-2

No Detections.

Client Sample ID: ROST4PZG-ROX-041521 — Lab Sample ID: 400-202162-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.049	J	0.19	0.045	ug/L	1		8270D LL	Total/NA
Fluoranthene	~~0.087~~	J B U	0.19	0.066	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.070	J	0.19	0.035	ug/L	1		8270D LL	Total/NA
Pyrene	~~0.080~~	J B U	0.19	0.039	ug/L	1		8270D LL	Total/NA
Diethyl phthalate	0.28	J	9.7	0.23	ug/L	1		8270D	Total/NA

Client Sample ID: ROST4PZG-ROX-041521-DUP — Lab Sample ID: 400-202162-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	0.58	J	9.5	0.23	ug/L	1		8270D	Total/NA

Client Sample ID: MW2-ROX-041521 — Lab Sample ID: 400-202162-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.2	J	2.0	0.76	ug/L	2		8260B	Total/NA
Ethylbenzene	95		2.0	1.0	ug/L	2		8260B	Total/NA
Isopropylbenzene	23		2.0	1.1	ug/L	2		8260B	Total/NA
m-Xylene & p-Xylene	45		10	3.2	ug/L	2		8260B	Total/NA
Naphthalene	9.9		2.0	2.0	ug/L	2		8260B	Total/NA
N-Propylbenzene	33		2.0	1.4	ug/L	2		8260B	Total/NA
o-Xylene	4.7	J	10	1.2	ug/L	2		8260B	Total/NA
p-Isopropyltoluene	2.0		2.0	1.4	ug/L	2		8260B	Total/NA
sec-Butylbenzene	2.3		2.0	1.4	ug/L	2		8260B	Total/NA
Toluene	3.1		2.0	0.82	ug/L	2		8260B	Total/NA
1,2,4-Trimethylbenzene	11		2.0	1.6	ug/L	2		8260B	Total/NA
1,3,5-Trimethylbenzene	7.6		2.0	1.1	ug/L	2		8260B	Total/NA
Xylenes, Total	49		20	3.2	ug/L	2		8260B	Total/NA
1-Methylnaphthalene	7.8	J	0.19	0.070	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	7.0	J	0.19	0.057	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW2-ROX-041521-DUP — Lab Sample ID: 400-202162-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	90		2.0	1.0	ug/L	2		8260B	Total/NA
Isopropylbenzene	22		2.0	1.1	ug/L	2		8260B	Total/NA
m-Xylene & p-Xylene	41		10	3.2	ug/L	2		8260B	Total/NA
Naphthalene	9.0		2.0	2.0	ug/L	2		8260B	Total/NA
N-Propylbenzene	31		2.0	1.4	ug/L	2		8260B	Total/NA
o-Xylene	4.8	J	10	1.2	ug/L	2		8260B	Total/NA
p-Isopropyltoluene	2.1		2.0	1.4	ug/L	2		8260B	Total/NA
sec-Butylbenzene	2.2		2.0	1.4	ug/L	2		8260B	Total/NA
Toluene	3.3		2.0	0.82	ug/L	2		8260B	Total/NA
1,2,4-Trimethylbenzene	11		2.0	1.6	ug/L	2		8260B	Total/NA
1,3,5-Trimethylbenzene	7.4		2.0	1.1	ug/L	2		8260B	Total/NA
Xylenes, Total	46		20	3.2	ug/L	2		8260B	Total/NA
1-Methylnaphthalene	4.2	J	0.19	0.071	ug/L	1		8270D LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW2-ROX-041521-DUP (Continued)

Lab Sample ID: 400-202162-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	3.7		0.19	0.058	ug/L	1		8270D LL	Total/NA

Client Sample ID: ROST4PZC-ROX-041521-EB

Lab Sample ID: 400-202162-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.63	J	1.0	0.50	ug/L	1		8260B	Total/NA

Client Sample ID: ROST4PZC-ROX-041521

Lab Sample ID: 400-202162-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.7	J	2.0	0.76	ug/L	2		8260B	Total/NA
Ethylbenzene	1.4	J	2.0	1.0	ug/L	2		8260B	Total/NA
Isopropylbenzene	2.3		2.0	1.1	ug/L	2		8260B	Total/NA
m-Xylene & p-Xylene	22		10	3.2	ug/L	2		8260B	Total/NA
Naphthalene	18		2.0	2.0	ug/L	2		8260B	Total/NA
N-Propylbenzene	3.7		2.0	1.4	ug/L	2		8260B	Total/NA
Toluene	2.5		2.0	0.82	ug/L	2		8260B	Total/NA
1,2,4-Trimethylbenzene	5.2		2.0	1.6	ug/L	2		8260B	Total/NA
1,3,5-Trimethylbenzene	1.2	J	2.0	1.1	ug/L	2		8260B	Total/NA
Xylenes, Total	22		20	3.2	ug/L	2		8260B	Total/NA
Acenaphthene	1.2		0.19	0.031	ug/L	1		8270D LL	Total/NA
Acenaphthylene	0.18	J	0.19	0.043	ug/L	1		8270D LL	Total/NA
Anthracene	0.32		0.19	0.031	ug/L	1		8270D LL	Total/NA
Fluorene	1.1		0.19	0.11	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	22		0.19	0.071	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	13		0.19	0.058	ug/L	1		8270D LL	Total/NA
Phenanthrene	2.7		0.19	0.035	ug/L	1		8270D LL	Total/NA
Pyrene	0.070	J B	0.19	0.038	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW22-ROX-041521

Lab Sample ID: 400-202162-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	66		5.0	1.9	ug/L	5		8260B	Total/NA
Ethylbenzene	530		5.0	2.5	ug/L	5		8260B	Total/NA
Isopropylbenzene	32		5.0	2.7	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	800		25	8.0	ug/L	5		8260B	Total/NA
Naphthalene	70		5.0	5.0	ug/L	5		8260B	Total/NA
N-Propylbenzene	53		5.0	3.5	ug/L	5		8260B	Total/NA
o-Xylene	53		25	3.0	ug/L	5		8260B	Total/NA
Toluene	45		5.0	2.1	ug/L	5		8260B	Total/NA
1,2,4-Trimethylbenzene	330		5.0	4.1	ug/L	5		8260B	Total/NA
1,3,5-Trimethylbenzene	55		5.0	2.8	ug/L	5		8260B	Total/NA
Xylenes, Total	860		50	8.0	ug/L	5		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

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

Job ID: 400-202162-1

Client Sample ID: TB-ROX-041521-8260
Date Collected: 04/15/21 00:00
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-1
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			04/28/21 20:57	1
Acrolein	ND		20	10	ug/L			04/28/21 20:57	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/21 20:57	1
Benzene	ND		1.0	0.38	ug/L			04/28/21 20:57	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/21 20:57	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/21 20:57	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/21 20:57	1
Bromoform	ND		5.0	0.71	ug/L			04/28/21 20:57	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/21 20:57	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/21 20:57	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/21 20:57	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/28/21 20:57	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/28/21 20:57	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/28/21 20:57	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/21 20:57	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/21 20:57	1
Chloroform	ND		1.0	0.60	ug/L			04/28/21 20:57	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/28/21 20:57	1
Chloromethane	ND		1.0	0.83	ug/L			04/28/21 20:57	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 20:57	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 20:57	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/21 20:57	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/21 20:57	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/21 20:57	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/21 20:57	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 20:57	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 20:57	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 20:57	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 20:57	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 20:57	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 20:57	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/28/21 20:57	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/21 20:57	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/21 20:57	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/21 20:57	1
2-Hexanone	ND		25	3.1	ug/L			04/28/21 20:57	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/21 20:57	1
Methylene bromide	ND		5.0	0.59	ug/L			04/28/21 20:57	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/21 20:57	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/21 20:57	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/28/21 20:57	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/28/21 20:57	1
Naphthalene	ND		1.0	1.0	ug/L			04/28/21 20:57	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/21 20:57	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/21 20:57	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/21 20:57	1
o-Xylene	ND		5.0	0.60	ug/L			04/28/21 20:57	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/21 20:57	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/21 20:57	1

Client Sample ID: TB-ROX-041521-8260
Date Collected: 04/15/21 00:00
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-1
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			04/28/21 20:57	1
Styrene	ND		1.0	1.0	ug/L			04/28/21 20:57	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/21 20:57	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/28/21 20:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/21 20:57	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/28/21 20:57	1
Toluene	ND		1.0	0.41	ug/L			04/28/21 20:57	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 20:57	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 20:57	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/28/21 20:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/21 20:57	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/28/21 20:57	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/28/21 20:57	1
Trichloroethene	ND		1.0	0.50	ug/L			04/28/21 20:57	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/28/21 20:57	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/21 20:57	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/21 20:57	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/21 20:57	1
Vinyl acetate	ND		25	2.0	ug/L			04/28/21 20:57	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/28/21 20:57	1
Xylenes, Total	ND		10	1.6	ug/L			04/28/21 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*04/28/21 20:57*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*04/28/21 20:57*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/28/21 20:57*	*1*

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

Job ID: 400-202162-1

Client Sample ID: TB-ROX-041521-8011
Date Collected: 04/15/21 00:00
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-2
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		0.029	0.0053	ug/L		04/22/21 11:01	04/22/21 20:39	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		04/22/21 11:01	04/22/21 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*108*	*p*	*51 - 149*	*04/22/21 11:01*	*04/22/21 20:39*	*1*

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

Job ID: 400-202162-1

Client Sample ID: ROST4PZG-ROX-041521
Date Collected: 04/15/21 09:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-3
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			04/28/21 21:52	1
Acrolein	ND		20	10	ug/L			04/28/21 21:52	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/21 21:52	1
Benzene	ND		1.0	0.38	ug/L			04/28/21 21:52	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/21 21:52	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/21 21:52	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/21 21:52	1
Bromoform	ND		5.0	0.71	ug/L			04/28/21 21:52	1
Bromomethane	ND	UJ	1.0	0.98	ug/L			04/28/21 21:52	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/21 21:52	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/21 21:52	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/28/21 21:52	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/28/21 21:52	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/28/21 21:52	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/21 21:52	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/21 21:52	1
Chloroform	ND		1.0	0.60	ug/L			04/28/21 21:52	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/28/21 21:52	1
Chloromethane	ND		1.0	0.83	ug/L			04/28/21 21:52	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 21:52	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 21:52	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/21 21:52	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/21 21:52	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/21 21:52	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/21 21:52	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 21:52	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 21:52	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 21:52	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 21:52	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 21:52	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 21:52	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/28/21 21:52	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/21 21:52	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/21 21:52	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/21 21:52	1
2-Hexanone	ND		25	3.1	ug/L			04/28/21 21:52	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/21 21:52	1
Methylene bromide	ND		5.0	0.59	ug/L			04/28/21 21:52	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/21 21:52	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/21 21:52	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/28/21 21:52	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/28/21 21:52	1
Naphthalene	ND		1.0	1.0	ug/L			04/28/21 21:52	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/21 21:52	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/21 21:52	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/21 21:52	1
o-Xylene	ND		5.0	0.60	ug/L			04/28/21 21:52	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/21 21:52	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/21 21:52	1

Client Sample ID: ROST4PZG-ROX-041521
Date Collected: 04/15/21 09:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-3
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			04/28/21 21:52	1
Styrene	ND		1.0	1.0	ug/L			04/28/21 21:52	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/21 21:52	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/28/21 21:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/21 21:52	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/28/21 21:52	1
Toluene	ND		1.0	0.41	ug/L			04/28/21 21:52	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 21:52	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 21:52	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/28/21 21:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/21 21:52	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/28/21 21:52	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/28/21 21:52	1
Trichloroethene	ND		1.0	0.50	ug/L			04/28/21 21:52	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/28/21 21:52	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/21 21:52	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/21 21:52	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/21 21:52	1
Vinyl acetate	ND		25	2.0	ug/L			04/28/21 21:52	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/28/21 21:52	1
Xylenes, Total	ND		10	1.6	ug/L			04/28/21 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*04/28/21 21:52*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*04/28/21 21:52*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*04/28/21 21:52*	*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		04/22/21 10:44	04/25/21 08:46	1
Acenaphthylene	ND		0.19	0.044	ug/L		04/22/21 10:44	04/25/21 08:46	1
Anthracene	ND		0.19	0.031	ug/L		04/22/21 10:44	04/25/21 08:46	1
Benzo[a]anthracene	**0.049**	J	0.19	0.045	ug/L		04/22/21 10:44	04/25/21 08:46	1
Benzo[a]pyrene	ND		0.19	0.041	ug/L		04/22/21 10:44	04/25/21 08:46	1
Benzo[b]fluoranthene	ND		0.19	0.033	ug/L		04/22/21 10:44	04/25/21 08:46	1
Benzo[g,h,i]perylene	ND		0.19	0.13	ug/L		04/22/21 10:44	04/25/21 08:46	1
Benzo[k]fluoranthene	ND		0.19	0.097	ug/L		04/22/21 10:44	04/25/21 08:46	1
Chrysene	ND		0.19	0.072	ug/L		04/22/21 10:44	04/25/21 08:46	1
Dibenz(a,h)anthracene	ND		0.19	0.049	ug/L		04/22/21 10:44	04/25/21 08:46	1
Fluoranthene	~~0.087~~	J B U	0.19	0.066	ug/L		04/22/21 10:44	04/25/21 08:46	1
Fluorene	ND		0.19	0.11	ug/L		04/22/21 10:44	04/25/21 08:46	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.042	ug/L		04/22/21 10:44	04/25/21 08:46	1
1-Methylnaphthalene	ND		0.19	0.072	ug/L		04/22/21 10:44	04/25/21 08:46	1
2-Methylnaphthalene	ND		0.19	0.058	ug/L		04/22/21 10:44	04/25/21 08:46	1
Phenanthrene	**0.070**	J	0.19	0.035	ug/L		04/22/21 10:44	04/25/21 08:46	1
Pyrene	~~0.080~~	J B U	0.19	0.039	ug/L		04/22/21 10:44	04/25/21 08:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*15 - 122*	*04/22/21 10:44*	*04/25/21 08:46*	*1*
Nitrobenzene-d5	*35*		*19 - 130*	*04/22/21 10:44*	*04/25/21 08:46*	*1*

Client Sample ID: ROST4PZG-ROX-041521
Date Collected: 04/15/21 09:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	94		33 - 138	04/22/21 10:44	04/25/21 08:46	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		04/22/21 10:44	04/25/21 12:23	1
Benzenethiol	ND	*-*1 UJ	9.7	1.6	ug/L		04/22/21 10:44	04/25/21 12:23	1
Benzoic acid	ND		29	7.1	ug/L		04/22/21 10:44	04/25/21 12:23	1
Benzyl alcohol	ND		9.7	1.9	ug/L		04/22/21 10:44	04/25/21 12:23	1
Bis(2-chloroethoxy)methane	ND		9.7	0.16	ug/L		04/22/21 10:44	04/25/21 12:23	1
Bis(2-chloroethyl)ether	ND		9.7	2.6	ug/L		04/22/21 10:44	04/25/21 12:23	1
bis (2-chloroisopropyl) ether	ND		9.7	0.16	ug/L		04/22/21 10:44	04/25/21 12:23	1
Bis(2-ethylhexyl) phthalate	ND		9.7	4.9	ug/L		04/22/21 10:44	04/25/21 12:23	1
4-Bromophenyl phenyl ether	ND		9.7	0.19	ug/L		04/22/21 10:44	04/25/21 12:23	1
Butyl benzyl phthalate	ND		9.7	0.18	ug/L		04/22/21 10:44	04/25/21 12:23	1
4-Chloroaniline	ND		9.7	3.3	ug/L		04/22/21 10:44	04/25/21 12:23	1
4-Chloro-3-methylphenol	ND		9.7	3.7	ug/L		04/22/21 10:44	04/25/21 12:23	1
2-Chloronaphthalene	ND		9.7	0.14	ug/L		04/22/21 10:44	04/25/21 12:23	1
2-Chlorophenol	ND	*- UJ	9.7	2.1	ug/L		04/22/21 10:44	04/25/21 12:23	1
4-Chlorophenyl phenyl ether	ND		9.7	1.9	ug/L		04/22/21 10:44	04/25/21 12:23	1
Dibenz[a,h]acridine	ND		9.7	0.97	ug/L		04/22/21 10:44	04/25/21 12:23	1
Dibenzofuran	ND		9.7	0.16	ug/L		04/22/21 10:44	04/25/21 12:23	1
3,3'-Dichlorobenzidine	ND		9.7	2.5	ug/L		04/22/21 10:44	04/25/21 12:23	1
2,4-Dichlorophenol	ND		9.7	2.9	ug/L		04/22/21 10:44	04/25/21 12:23	1
Diethyl phthalate	0.28	J	9.7	0.23	ug/L		04/22/21 10:44	04/25/21 12:23	1
2,4-Dimethylphenol	ND		9.7	3.4	ug/L		04/22/21 10:44	04/25/21 12:23	1
Dimethyl phthalate	ND		9.7	0.16	ug/L		04/22/21 10:44	04/25/21 12:23	1
Di-n-butyl phthalate	ND		9.7	2.6	ug/L		04/22/21 10:44	04/25/21 12:23	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.6	ug/L		04/22/21 10:44	04/25/21 12:23	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/22/21 10:44	04/25/21 12:23	1
2,4-Dinitrotoluene	ND		9.7	1.8	ug/L		04/22/21 10:44	04/25/21 12:23	1
2,6-Dinitrotoluene	ND		9.7	1.8	ug/L		04/22/21 10:44	04/25/21 12:23	1
Di-n-octyl phthalate	ND		9.7	0.16	ug/L		04/22/21 10:44	04/25/21 12:23	1
1,4-Dioxane	ND		9.7	0.97	ug/L		04/22/21 10:44	04/25/21 12:23	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.97	ug/L		04/22/21 10:44	04/25/21 12:23	1
Hexachlorobenzene	ND		9.7	0.16	ug/L		04/22/21 10:44	04/25/21 12:23	1
Hexachlorocyclopentadiene	ND	UJ	19	2.5	ug/L		04/22/21 10:44	04/25/21 12:23	1
Hexachloroethane	ND		9.7	4.1	ug/L		04/22/21 10:44	04/25/21 12:23	1
Indene	ND		9.7	0.97	ug/L		04/22/21 10:44	04/25/21 12:23	1
Isophorone	ND		9.7	0.14	ug/L		04/22/21 10:44	04/25/21 12:23	1
2-Methylphenol	ND		9.7	1.7	ug/L		04/22/21 10:44	04/25/21 12:23	1
3 & 4 Methylphenol	ND		19	0.38	ug/L		04/22/21 10:44	04/25/21 12:23	1
2-Nitroaniline	ND		9.7	2.1	ug/L		04/22/21 10:44	04/25/21 12:23	1
3-Nitroaniline	ND		9.7	1.7	ug/L		04/22/21 10:44	04/25/21 12:23	1
4-Nitroaniline	ND		9.7	1.5	ug/L		04/22/21 10:44	04/25/21 12:23	1
Nitrobenzene	ND		9.7	0.13	ug/L		04/22/21 10:44	04/25/21 12:23	1
2-Nitrophenol	ND	*- UJ	9.7	5.0	ug/L		04/22/21 10:44	04/25/21 12:23	1
4-Nitrophenol	ND		9.7	2.0	ug/L		04/22/21 10:44	04/25/21 12:23	1
N-Nitrosodimethylamine	ND		9.7	3.4	ug/L		04/22/21 10:44	04/25/21 12:23	1

Client Sample ID: ROST4PZG-ROX-041521
Date Collected: 04/15/21 09:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-3
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		9.7	3.2	ug/L		04/22/21 10:44	04/25/21 12:23	1
N-Nitrosodiphenylamine	ND		9.7	0.17	ug/L		04/22/21 10:44	04/25/21 12:23	1
Pentachlorophenol	ND		19	1.4	ug/L		04/22/21 10:44	04/25/21 12:23	1
Phenol	ND		9.7	2.5	ug/L		04/22/21 10:44	04/25/21 12:23	1
Pyridine	ND		9.7	3.1	ug/L		04/22/21 10:44	04/25/21 12:23	1
Quinoline	ND		9.7	4.4	ug/L		04/22/21 10:44	04/25/21 12:23	1
2,4,5-Trichlorophenol	ND		9.7	3.6	ug/L		04/22/21 10:44	04/25/21 12:23	1
2,4,6-Trichlorophenol	ND		9.7	3.4	ug/L		04/22/21 10:44	04/25/21 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*87*		*46 - 124*	*04/22/21 10:44*	*04/25/21 12:23*	*1*
2-Fluorophenol	*34*		*13 - 113*	*04/22/21 10:44*	*04/25/21 12:23*	*1*
Nitrobenzene-d5	*76*		*36 - 126*	*04/22/21 10:44*	*04/25/21 12:23*	*1*
Phenol-d5	*69*		*17 - 127*	*04/22/21 10:44*	*04/25/21 12:23*	*1*
Terphenyl-d14	*90*		*44 - 149*	*04/22/21 10:44*	*04/25/21 12:23*	*1*
2,4,6-Tribromophenol	*85*		*26 - 150*	*04/22/21 10:44*	*04/25/21 12:23*	*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		0.029	0.0053	ug/L		04/22/21 11:01	04/22/21 20:59	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		04/22/21 11:01	04/22/21 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*	*p*	*51 - 149*	*04/22/21 11:01*	*04/22/21 20:59*	*1*

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

Job ID: 400-202162-1

Client Sample ID: ROST4PZG-ROX-041521-DUP
Date Collected: 04/15/21 09:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-4
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			04/28/21 22:19	1
Acrolein	ND		20	10	ug/L			04/28/21 22:19	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/21 22:19	1
Benzene	ND		1.0	0.38	ug/L			04/28/21 22:19	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/21 22:19	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/21 22:19	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/21 22:19	1
Bromoform	ND		5.0	0.71	ug/L			04/28/21 22:19	1
Bromomethane	ND	UJ	1.0	0.98	ug/L			04/28/21 22:19	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/21 22:19	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/21 22:19	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/28/21 22:19	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/28/21 22:19	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/28/21 22:19	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/21 22:19	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/21 22:19	1
Chloroform	ND		1.0	0.60	ug/L			04/28/21 22:19	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/28/21 22:19	1
Chloromethane	ND		1.0	0.83	ug/L			04/28/21 22:19	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 22:19	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 22:19	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/21 22:19	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/21 22:19	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/21 22:19	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/21 22:19	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 22:19	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 22:19	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 22:19	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 22:19	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 22:19	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 22:19	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/28/21 22:19	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/21 22:19	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/21 22:19	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/21 22:19	1
2-Hexanone	ND		25	3.1	ug/L			04/28/21 22:19	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/21 22:19	1
Methylene bromide	ND		5.0	0.59	ug/L			04/28/21 22:19	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/21 22:19	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/21 22:19	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/28/21 22:19	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/28/21 22:19	1
Naphthalene	ND		1.0	1.0	ug/L			04/28/21 22:19	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/21 22:19	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/21 22:19	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/21 22:19	1
o-Xylene	ND		5.0	0.60	ug/L			04/28/21 22:19	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/21 22:19	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/21 22:19	1

Client Sample ID: ROST4PZG-ROX-041521-DUP
Date Collected: 04/15/21 09:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-4
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			04/28/21 22:19	1
Styrene	ND		1.0	1.0	ug/L			04/28/21 22:19	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/21 22:19	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/28/21 22:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/21 22:19	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/28/21 22:19	1
Toluene	ND		1.0	0.41	ug/L			04/28/21 22:19	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 22:19	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 22:19	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/28/21 22:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/21 22:19	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/28/21 22:19	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/28/21 22:19	1
Trichloroethene	ND		1.0	0.50	ug/L			04/28/21 22:19	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/28/21 22:19	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/21 22:19	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/21 22:19	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/21 22:19	1
Vinyl acetate	ND		25	2.0	ug/L			04/28/21 22:19	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/28/21 22:19	1
Xylenes, Total	ND		10	1.6	ug/L			04/28/21 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*04/28/21 22:19*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*04/28/21 22:19*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/28/21 22:19*	*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		0.19	0.030	ug/L		04/22/21 10:44	04/25/21 09:02	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/22/21 10:44	04/25/21 09:02	1
Anthracene	ND		0.19	0.030	ug/L		04/22/21 10:44	04/25/21 09:02	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		04/22/21 10:44	04/25/21 09:02	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/22/21 10:44	04/25/21 09:02	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		04/22/21 10:44	04/25/21 09:02	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/22/21 10:44	04/25/21 09:02	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		04/22/21 10:44	04/25/21 09:02	1
Chrysene	ND		0.19	0.070	ug/L		04/22/21 10:44	04/25/21 09:02	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		04/22/21 10:44	04/25/21 09:02	1
Fluoranthene	ND		0.19	0.065	ug/L		04/22/21 10:44	04/25/21 09:02	1
Fluorene	ND		0.19	0.10	ug/L		04/22/21 10:44	04/25/21 09:02	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/22/21 10:44	04/25/21 09:02	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		04/22/21 10:44	04/25/21 09:02	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		04/22/21 10:44	04/25/21 09:02	1
Phenanthrene	ND		0.19	0.034	ug/L		04/22/21 10:44	04/25/21 09:02	1
Pyrene	ND		0.19	0.038	ug/L		04/22/21 10:44	04/25/21 09:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*15 - 122*	*04/22/21 10:44*	*04/25/21 09:02*	*1*
Nitrobenzene-d5	*35*		*19 - 130*	*04/22/21 10:44*	*04/25/21 09:02*	*1*

Client Sample ID: ROST4PZG-ROX-041521-DUP
Date Collected: 04/15/21 09:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-4
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	*96*		*33 - 138*	*04/22/21 10:44*	*04/25/21 09.02*	*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		04/22/21 10:44	04/25/21 12:45	1
Benzenethiol	ND	*-*1 UJ	9.5	1.6	ug/L		04/22/21 10:44	04/25/21 12:45	1
Benzoic acid	ND		29	6.9	ug/L		04/22/21 10:44	04/25/21 12:45	1
Benzyl alcohol	ND		9.5	1.9	ug/L		04/22/21 10:44	04/25/21 12:45	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		04/22/21 10:44	04/25/21 12:45	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		04/22/21 10:44	04/25/21 12:45	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		04/22/21 10:44	04/25/21 12:45	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.8	ug/L		04/22/21 10:44	04/25/21 12:45	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		04/22/21 10:44	04/25/21 12:45	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		04/22/21 10:44	04/25/21 12:45	1
4-Chloroaniline	ND		9.5	3.2	ug/L		04/22/21 10:44	04/25/21 12:45	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		04/22/21 10:44	04/25/21 12:45	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		04/22/21 10:44	04/25/21 12:45	1
2-Chlorophenol	ND	*- UJ	9.5	2.1	ug/L		04/22/21 10:44	04/25/21 12:45	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		04/22/21 10:44	04/25/21 12:45	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		04/22/21 10:44	04/25/21 12:45	1
Dibenzofuran	ND		9.5	0.16	ug/L		04/22/21 10:44	04/25/21 12:45	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		04/22/21 10:44	04/25/21 12:45	1
2,4-Dichlorophenol	ND		9.5	2.9	ug/L		04/22/21 10:44	04/25/21 12:45	1
Diethyl phthalate	**0.58**	**J**	9.5	0.23	ug/L		04/22/21 10:44	04/25/21 12:45	1
2,4-Dimethylphenol	ND		9.5	3.3	ug/L		04/22/21 10:44	04/25/21 12:45	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		04/22/21 10:44	04/25/21 12:45	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		04/22/21 10:44	04/25/21 12:45	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		04/22/21 10:44	04/25/21 12:45	1
2,4-Dinitrophenol	ND		29	3.2	ug/L		04/22/21 10:44	04/25/21 12:45	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		04/22/21 10:44	04/25/21 12:45	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		04/22/21 10:44	04/25/21 12:45	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		04/22/21 10:44	04/25/21 12:45	1
1,4-Dioxane	ND		9.5	0.95	ug/L		04/22/21 10:44	04/25/21 12:45	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		04/22/21 10:44	04/25/21 12:45	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		04/22/21 10:44	04/25/21 12:45	1
Hexachlorocyclopentadiene	ND	UJ	19	2.5	ug/L		04/22/21 10:44	04/25/21 12:45	1
Hexachloroethane	ND		9.5	4.0	ug/L		04/22/21 10:44	04/25/21 12:45	1
Indene	ND		9.5	0.95	ug/L		04/22/21 10:44	04/25/21 12:45	1
Isophorone	ND		9.5	0.13	ug/L		04/22/21 10:44	04/25/21 12:45	1
2-Methylphenol	ND		9.5	1.7	ug/L		04/22/21 10:44	04/25/21 12:45	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		04/22/21 10:44	04/25/21 12:45	1
2-Nitroaniline	ND		9.5	2.1	ug/L		04/22/21 10:44	04/25/21 12:45	1
3-Nitroaniline	ND		9.5	1.7	ug/L		04/22/21 10:44	04/25/21 12:45	1
4-Nitroaniline	ND		9.5	1.4	ug/L		04/22/21 10:44	04/25/21 12:45	1
Nitrobenzene	ND		9.5	0.12	ug/L		04/22/21 10:44	04/25/21 12:45	1
2-Nitrophenol	ND	*- UJ	9.5	5.0	ug/L		04/22/21 10:44	04/25/21 12:45	1
4-Nitrophenol	ND		9.5	2.0	ug/L		04/22/21 10:44	04/25/21 12:45	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		04/22/21 10:44	04/25/21 12:45	1

Client Sample ID: ROST4PZG-ROX-041521-DUP

Date Collected: 04/15/21 09:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-4

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		04/22/21 10:44	04/25/21 12:45	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		04/22/21 10:44	04/25/21 12:45	1
Pentachlorophenol	ND		19	1.3	ug/L		04/22/21 10:44	04/25/21 12:45	1
Phenol	ND		9.5	2.5	ug/L		04/22/21 10:44	04/25/21 12:45	1
Pyridine	ND		9.5	3.0	ug/L		04/22/21 10:44	04/25/21 12:45	1
Quinoline	ND		9.5	4.3	ug/L		04/22/21 10:44	04/25/21 12:45	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		04/22/21 10:44	04/25/21 12:45	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		04/22/21 10:44	04/25/21 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*46 - 124*	*04/22/21 10:44*	*04/25/21 12:45*	*1*
2-Fluorophenol	*49*		*13 - 113*	*04/22/21 10:44*	*04/25/21 12:45*	*1*
Nitrobenzene-d5	*77*		*36 - 126*	*04/22/21 10:44*	*04/25/21 12:45*	*1*
Phenol-d5	*78*		*17 - 127*	*04/22/21 10:44*	*04/25/21 12:45*	*1*
Terphenyl-d14	*82*		*44 - 149*	*04/22/21 10:44*	*04/25/21 12:45*	*1*
2,4,6-Tribromophenol	*91*		*26 - 150*	*04/22/21 10:44*	*04/25/21 12:45*	*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		0.028	0.0052	ug/L		04/22/21 11:01	04/22/21 21:19	1
1,2-Dibromoethane	ND		0.019	0.0047	ug/L		04/22/21 11:01	04/22/21 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*	*p*	*51 - 149*	*04/22/21 11:01*	*04/22/21 21:19*	*1*

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

Job ID: 400-202162-1

Client Sample ID: MW2-ROX-041521
Date Collected: 04/15/21 10:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50	20	ug/L			04/29/21 02:28	2
Acrolein	ND		40	20	ug/L			04/29/21 02:28	2
Acrylonitrile	ND		20	5.6	ug/L			04/29/21 02:28	2
Benzene	**1.2**	**J**	2.0	0.76	ug/L			04/29/21 02:28	2
Bromobenzene	ND		2.0	1.1	ug/L			04/29/21 02:28	2
Bromochloromethane	ND		2.0	1.0	ug/L			04/29/21 02:28	2
Bromodichloromethane	ND		2.0	1.0	ug/L			04/29/21 02:28	2
Bromoform	ND		10	1.4	ug/L			04/29/21 02:28	2
Bromomethane	ND	UJ	2.0	2.0	ug/L			04/29/21 02:28	2
2-Butanone (MEK)	ND		50	5.2	ug/L			04/29/21 02:28	2
Carbon disulfide	ND		2.0	1.0	ug/L			04/29/21 02:28	2
Carbon tetrachloride	ND		2.0	1.0	ug/L			04/29/21 02:28	2
Chlorobenzene	ND		2.0	1.0	ug/L			04/29/21 02:28	2
Dibromochloromethane	ND		2.0	1.0	ug/L			04/29/21 02:28	2
Chloroethane	ND		2.0	1.5	ug/L			04/29/21 02:28	2
2-Chloroethyl vinyl ether	ND		10	4.0	ug/L			04/29/21 02:28	2
Chloroform	ND		2.0	1.2	ug/L			04/29/21 02:28	2
1-Chlorohexane	ND		2.0	1.4	ug/L			04/29/21 02:28	2
Chloromethane	ND		2.0	1.7	ug/L			04/29/21 02:28	2
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/L			04/29/21 02:28	2
cis-1,3-Dichloropropene	ND		10	1.0	ug/L			04/29/21 02:28	2
1,2-Dichlorobenzene	ND		2.0	1.0	ug/L			04/29/21 02:28	2
1,3-Dichlorobenzene	ND		2.0	1.1	ug/L			04/29/21 02:28	2
1,4-Dichlorobenzene	ND		2.0	1.3	ug/L			04/29/21 02:28	2
Dichlorodifluoromethane	ND		2.0	1.7	ug/L			04/29/21 02:28	2
1,1-Dichloroethane	ND		2.0	1.0	ug/L			04/29/21 02:28	2
1,2-Dichloroethane	ND		2.0	1.0	ug/L			04/29/21 02:28	2
1,1-Dichloroethene	ND		2.0	1.0	ug/L			04/29/21 02:28	2
1,2-Dichloropropane	ND		2.0	1.0	ug/L			04/29/21 02:28	2
1,3-Dichloropropane	ND		2.0	1.0	ug/L			04/29/21 02:28	2
2,2-Dichloropropane	ND		2.0	1.0	ug/L			04/29/21 02:28	2
1,1-Dichloropropene	ND		2.0	1.0	ug/L			04/29/21 02:28	2
Ethylbenzene	**95**		2.0	1.0	ug/L			04/29/21 02:28	2
Ethyl methacrylate	ND		2.0	1.2	ug/L			04/29/21 02:28	2
Hexachlorobutadiene	ND		10	1.8	ug/L			04/29/21 02:28	2
2-Hexanone	ND		50	6.2	ug/L			04/29/21 02:28	2
Isopropylbenzene	**23**		2.0	1.1	ug/L			04/29/21 02:28	2
Methylene bromide	ND		10	1.2	ug/L			04/29/21 02:28	2
Methylene Chloride	ND		10	6.0	ug/L			04/29/21 02:28	2
4-Methyl-2-pentanone (MIBK)	ND		50	3.6	ug/L			04/29/21 02:28	2
Methyl tert-butyl ether	ND		2.0	1.5	ug/L			04/29/21 02:28	2
m-Xylene & p-Xylene	**45**		10	3.2	ug/L			04/29/21 02:28	2
Naphthalene	**9.9**		2.0	2.0	ug/L			04/29/21 02:28	2
n-Butylbenzene	ND		2.0	1.5	ug/L			04/29/21 02:28	2
N-Propylbenzene	**33**		2.0	1.4	ug/L			04/29/21 02:28	2
o-Chlorotoluene	ND		2.0	1.1	ug/L			04/29/21 02:28	2
o-Xylene	**4.7**	**J**	10	1.2	ug/L			04/29/21 02:28	2
p-Chlorotoluene	ND		2.0	1.1	ug/L			04/29/21 02:28	2
p-Isopropyltoluene	**2.0**		2.0	1.4	ug/L			04/29/21 02:28	2

Client Sample ID: MW2-ROX-041521
Date Collected: 04/15/21 10:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**2.3**		2.0	1.4	ug/L			04/29/21 02:28	2
Styrene	ND		2.0	2.0	ug/L			04/29/21 02:28	2
tert-Butylbenzene	ND		2.0	1.3	ug/L			04/29/21 02:28	2
1,1,1,2-Tetrachloroethane	ND		2.0	1.0	ug/L			04/29/21 02:28	2
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/L			04/29/21 02:28	2
Tetrachloroethene	ND		2.0	1.2	ug/L			04/29/21 02:28	2
Toluene	**3.1**		2.0	0.82	ug/L			04/29/21 02:28	2
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/L			04/29/21 02:28	2
trans-1,3-Dichloropropene	ND		10	1.0	ug/L			04/29/21 02:28	2
1,2,3-Trichlorobenzene	ND		2.0	1.4	ug/L			04/29/21 02:28	2
1,2,4-Trichlorobenzene	ND		2.0	1.6	ug/L			04/29/21 02:28	2
1,1,1-Trichloroethane	ND		2.0	1.0	ug/L			04/29/21 02:28	2
1,1,2-Trichloroethane	ND		10	1.0	ug/L			04/29/21 02:28	2
Trichloroethene	ND		2.0	1.0	ug/L			04/29/21 02:28	2
Trichlorofluoromethane	ND		2.0	1.0	ug/L			04/29/21 02:28	2
1,2,3-Trichloropropane	ND		10	1.7	ug/L			04/29/21 02:28	2
1,2,4-Trimethylbenzene	**11**		2.0	1.6	ug/L			04/29/21 02:28	2
1,3,5-Trimethylbenzene	**7.6**		2.0	1.1	ug/L			04/29/21 02:28	2
Vinyl acetate	ND		50	4.0	ug/L			04/29/21 02:28	2
Vinyl chloride	ND		2.0	1.0	ug/L			04/29/21 02:28	2
Xylenes, Total	**49**		20	3.2	ug/L			04/29/21 02:28	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*78 - 118*		*04/29/21 02:28*	*2*
Dibromofluoromethane	*99*		*81 - 121*		*04/29/21 02:28*	*2*
Toluene-d8 (Surr)	*94*		*80 - 120*		*04/29/21 02:28*	*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		04/22/21 10:44	04/25/21 09:18	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/22/21 10:44	04/25/21 09:18	1
Anthracene	ND		0.19	0.030	ug/L		04/22/21 10:44	04/25/21 09:18	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		04/22/21 10:44	04/25/21 09:18	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/22/21 10:44	04/25/21 09:18	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		04/22/21 10:44	04/25/21 09:18	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/22/21 10:44	04/25/21 09:18	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		04/22/21 10:44	04/25/21 09:18	1
Chrysene	ND		0.19	0.070	ug/L		04/22/21 10:44	04/25/21 09:18	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		04/22/21 10:44	04/25/21 09:18	1
Fluoranthene	ND		0.19	0.065	ug/L		04/22/21 10:44	04/25/21 09:18	1
Fluorene	ND		0.19	0.10	ug/L		04/22/21 10:44	04/25/21 09:18	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/22/21 10:44	04/25/21 09:18	1
1-Methylnaphthalene	**7.8**	JJ	0.19	0.070	ug/L		04/22/21 10:44	04/25/21 09:18	1
2-Methylnaphthalene	**7.0**	JJ	0.19	0.057	ug/L		04/22/21 10:44	04/25/21 09:18	1
Phenanthrene	ND		0.19	0.034	ug/L		04/22/21 10:44	04/25/21 09:18	1
Pyrene	ND		0.19	0.038	ug/L		04/22/21 10:44	04/25/21 09:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*15 - 122*	*04/22/21 10:44*	*04/25/21 09:18*	*1*
Nitrobenzene-d5	*30*		*19 - 130*	*04/22/21 10:44*	*04/25/21 09:18*	*1*

Client Sample ID: MW2-ROX-041521
Date Collected: 04/15/21 10:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-5
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	68		33 - 138	04/22/21 10:44	04/25/21 09:18	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		04/22/21 10:44	04/25/21 13:06	1
Benzenethiol	ND	*- *1 UJ	9.5	1.6	ug/L		04/22/21 10:44	04/25/21 13:06	1
Benzoic acid	ND	UJ	29	6.9	ug/L		04/22/21 10:44	04/25/21 13:06	1
Benzyl alcohol	ND	UJ	9.5	1.9	ug/L		04/22/21 10:44	04/25/21 13:06	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		04/22/21 10:44	04/25/21 13:06	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		04/22/21 10:44	04/25/21 13:06	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		04/22/21 10:44	04/25/21 13:06	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.8	ug/L		04/22/21 10:44	04/25/21 13:06	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		04/22/21 10:44	04/25/21 13:06	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		04/22/21 10:44	04/25/21 13:06	1
4-Chloroaniline	ND		9.5	3.2	ug/L		04/22/21 10:44	04/25/21 13:06	1
4-Chloro-3-methylphenol	ND	UJ	9.5	3.6	ug/L		04/22/21 10:44	04/25/21 13:06	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		04/22/21 10:44	04/25/21 13:06	1
2-Chlorophenol	ND	*- UJ	9.5	2.1	ug/L		04/22/21 10:44	04/25/21 13:06	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		04/22/21 10:44	04/25/21 13:06	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		04/22/21 10:44	04/25/21 13:06	1
Dibenzofuran	ND		9.5	0.16	ug/L		04/22/21 10:44	04/25/21 13:06	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		04/22/21 10:44	04/25/21 13:06	1
2,4-Dichlorophenol	ND	UJ	9.5	2.9	ug/L		04/22/21 10:44	04/25/21 13:06	1
Diethyl phthalate	ND		9.5	0.23	ug/L		04/22/21 10:44	04/25/21 13:06	1
2,4-Dimethylphenol	ND	UJ	9.5	3.3	ug/L		04/22/21 10:44	04/25/21 13:06	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		04/22/21 10:44	04/25/21 13:06	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		04/22/21 10:44	04/25/21 13:06	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		04/22/21 10:44	04/25/21 13:06	1
2,4-Dinitrophenol	ND	UJ	29	3.2	ug/L		04/22/21 10:44	04/25/21 13:06	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		04/22/21 10:44	04/25/21 13:06	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		04/22/21 10:44	04/25/21 13:06	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		04/22/21 10:44	04/25/21 13:06	1
1,4-Dioxane	ND		9.5	0.95	ug/L		04/22/21 10:44	04/25/21 13:06	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		04/22/21 10:44	04/25/21 13:06	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		04/22/21 10:44	04/25/21 13:06	1
Hexachlorocyclopentadiene	ND	UJ	19	2.5	ug/L		04/22/21 10:44	04/25/21 13:06	1
Hexachloroethane	ND		9.5	4.0	ug/L		04/22/21 10:44	04/25/21 13:06	1
Indene	ND		9.5	0.95	ug/L		04/22/21 10:44	04/25/21 13:06	1
Isophorone	ND		9.5	0.13	ug/L		04/22/21 10:44	04/25/21 13:06	1
2-Methylphenol	ND	UJ	9.5	1.7	ug/L		04/22/21 10:44	04/25/21 13:06	1
3 & 4 Methylphenol	ND	UJ	19	0.37	ug/L		04/22/21 10:44	04/25/21 13:06	1
2-Nitroaniline	ND		9.5	2.1	ug/L		04/22/21 10:44	04/25/21 13:06	1
3-Nitroaniline	ND		9.5	1.7	ug/L		04/22/21 10:44	04/25/21 13:06	1
4-Nitroaniline	ND		9.5	1.4	ug/L		04/22/21 10:44	04/25/21 13:06	1
Nitrobenzene	ND		9.5	0.12	ug/L		04/22/21 10:44	04/25/21 13:06	1
2-Nitrophenol	ND	*- UJ	9.5	4.9	ug/L		04/22/21 10:44	04/25/21 13:06	1
4-Nitrophenol	ND	UJ	9.5	2.0	ug/L		04/22/21 10:44	04/25/21 13:06	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		04/22/21 10:44	04/25/21 13:06	1

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

Job ID: 400-202162-1

Client Sample ID: MW2-ROX-041521
Date Collected: 04/15/21 10:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-5
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		9.5	3.1	ug/L		04/22/21 10:44	04/25/21 13:06	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		04/22/21 10:44	04/25/21 13:06	1
Pentachlorophenol	ND	UJ	19	1.3	ug/L		04/22/21 10:44	04/25/21 13:06	1
Phenol	ND	UJ	9.5	2.5	ug/L		04/22/21 10:44	04/25/21 13:06	1
Pyridine	ND		9.5	3.0	ug/L		04/22/21 10:44	04/25/21 13:06	1
Quinoline	ND		9.5	4.3	ug/L		04/22/21 10:44	04/25/21 13:06	1
2,4,5-Trichlorophenol	ND	UJ	9.5	3.5	ug/L		04/22/21 10:44	04/25/21 13:06	1
2,4,6-Trichlorophenol	ND	UJ	9.5	3.3	ug/L		04/22/21 10:44	04/25/21 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*46 - 124*	*04/22/21 10:44*	*04/25/21 13:06*	*1*
2-Fluorophenol	*0*	*S1-*	*13 - 113*	*04/22/21 10:44*	*04/25/21 13:06*	*1*
Nitrobenzene-d5	*72*		*36 - 126*	*04/22/21 10:44*	*04/25/21 13:06*	*1*
Phenol-d5	*14*	*S1-*	*17 - 127*	*04/22/21 10:44*	*04/25/21 13:06*	*1*
Terphenyl-d14	*68*		*44 - 149*	*04/22/21 10:44*	*04/25/21 13:06*	*1*
2,4,6-Tribromophenol	*57*		*26 - 150*	*04/22/21 10:44*	*04/25/21 13:06*	*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	0.0053	ug/L		04/22/21 11:01	04/22/21 21:59	1
1,2-Dibromoethane	ND		0.019	0.0049	ug/L		04/22/21 11:01	04/22/21 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*122*	*p*	*51 - 149*	*04/22/21 11:01*	*04/22/21 21:59*	*1*

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

Job ID: 400-202162-1

Client Sample ID: MW2-ROX-041521-DUP
Date Collected: 04/15/21 10:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50	20	ug/L			04/29/21 02:56	2
Acrolein	ND		40	20	ug/L			04/29/21 02:56	2
Acrylonitrile	ND		20	5.6	ug/L			04/29/21 02:56	2
Benzene	ND		2.0	0.76	ug/L			04/29/21 02:56	2
Bromobenzene	ND		2.0	1.1	ug/L			04/29/21 02:56	2
Bromochloromethane	ND		2.0	1.0	ug/L			04/29/21 02:56	2
Bromodichloromethane	ND		2.0	1.0	ug/L			04/29/21 02:56	2
Bromoform	ND	UJ	10	1.4	ug/L			04/29/21 02:56	2
Bromomethane	ND		2.0	2.0	ug/L			04/29/21 02:56	2
2-Butanone (MEK)	ND		50	5.2	ug/L			04/29/21 02:56	2
Carbon disulfide	ND		2.0	1.0	ug/L			04/29/21 02:56	2
Carbon tetrachloride	ND		2.0	1.0	ug/L			04/29/21 02:56	2
Chlorobenzene	ND		2.0	1.0	ug/L			04/29/21 02:56	2
Dibromochloromethane	ND		2.0	1.0	ug/L			04/29/21 02:56	2
Chloroethane	ND		2.0	1.5	ug/L			04/29/21 02:56	2
2-Chloroethyl vinyl ether	ND		10	4.0	ug/L			04/29/21 02:56	2
Chloroform	ND		2.0	1.2	ug/L			04/29/21 02:56	2
1-Chlorohexane	ND		2.0	1.4	ug/L			04/29/21 02:56	2
Chloromethane	ND		2.0	1.7	ug/L			04/29/21 02:56	2
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/L			04/29/21 02:56	2
cis-1,3-Dichloropropene	ND		10	1.0	ug/L			04/29/21 02:56	2
1,2-Dichlorobenzene	ND		2.0	1.0	ug/L			04/29/21 02:56	2
1,3-Dichlorobenzene	ND		2.0	1.1	ug/L			04/29/21 02:56	2
1,4-Dichlorobenzene	ND		2.0	1.3	ug/L			04/29/21 02:56	2
Dichlorodifluoromethane	ND		2.0	1.7	ug/L			04/29/21 02:56	2
1,1-Dichloroethane	ND		2.0	1.0	ug/L			04/29/21 02:56	2
1,2-Dichloroethane	ND		2.0	1.0	ug/L			04/29/21 02:56	2
1,1-Dichloroethene	ND		2.0	1.0	ug/L			04/29/21 02:56	2
1,2-Dichloropropane	ND		2.0	1.0	ug/L			04/29/21 02:56	2
1,3-Dichloropropane	ND		2.0	1.0	ug/L			04/29/21 02:56	2
2,2-Dichloropropane	ND		2.0	1.0	ug/L			04/29/21 02:56	2
1,1-Dichloropropene	ND		2.0	1.0	ug/L			04/29/21 02:56	2
Ethylbenzene	**90**		2.0	1.0	ug/L			04/29/21 02:56	2
Ethyl methacrylate	ND		2.0	1.2	ug/L			04/29/21 02:56	2
Hexachlorobutadiene	ND		10	1.8	ug/L			04/29/21 02:56	2
2-Hexanone	ND		50	6.2	ug/L			04/29/21 02:56	2
Isopropylbenzene	**22**		2.0	1.1	ug/L			04/29/21 02:56	2
Methylene bromide	ND		10	1.2	ug/L			04/29/21 02:56	2
Methylene Chloride	ND		10	6.0	ug/L			04/29/21 02:56	2
4-Methyl-2-pentanone (MIBK)	ND		50	3.6	ug/L			04/29/21 02:56	2
Methyl tert-butyl ether	ND		2.0	1.5	ug/L			04/29/21 02:56	2
m-Xylene & p-Xylene	**41**		10	3.2	ug/L			04/29/21 02:56	2
Naphthalene	**9.0**		2.0	2.0	ug/L			04/29/21 02:56	2
n-Butylbenzene	ND		2.0	1.5	ug/L			04/29/21 02:56	2
N-Propylbenzene	**31**		2.0	1.4	ug/L			04/29/21 02:56	2
o-Chlorotoluene	ND		2.0	1.1	ug/L			04/29/21 02:56	2
o-Xylene	**4.8**	J	10	1.2	ug/L			04/29/21 02:56	2
p-Chlorotoluene	ND		2.0	1.1	ug/L			04/29/21 02:56	2
p-Isopropyltoluene	**2.1**		2.0	1.4	ug/L			04/29/21 02:56	2

Client Sample ID: MW2-ROX-041521-DUP
Date Collected: 04/15/21 10:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**2.2**		2.0	1.4	ug/L			04/29/21 02:56	2
Styrene	ND		2.0	2.0	ug/L			04/29/21 02:56	2
tert-Butylbenzene	ND		2.0	1.3	ug/L			04/29/21 02:56	2
1,1,1,2-Tetrachloroethane	ND		2.0	1.0	ug/L			04/29/21 02:56	2
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/L			04/29/21 02:56	2
Tetrachloroethene	ND		2.0	1.2	ug/L			04/29/21 02:56	2
Toluene	**3.3**		2.0	0.82	ug/L			04/29/21 02:56	2
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/L			04/29/21 02:56	2
trans-1,3-Dichloropropene	ND		10	1.0	ug/L			04/29/21 02:56	2
1,2,3-Trichlorobenzene	ND		2.0	1.4	ug/L			04/29/21 02:56	2
1,2,4-Trichlorobenzene	ND		2.0	1.6	ug/L			04/29/21 02:56	2
1,1,1-Trichloroethane	ND		2.0	1.0	ug/L			04/29/21 02:56	2
1,1,2-Trichloroethane	ND		10	1.0	ug/L			04/29/21 02:56	2
Trichloroethene	ND		2.0	1.0	ug/L			04/29/21 02:56	2
Trichlorofluoromethane	ND		2.0	1.0	ug/L			04/29/21 02:56	2
1,2,3-Trichloropropane	ND		10	1.7	ug/L			04/29/21 02:56	2
1,2,4-Trimethylbenzene	**11**		2.0	1.6	ug/L			04/29/21 02:56	2
1,3,5-Trimethylbenzene	**7.4**		2.0	1.1	ug/L			04/29/21 02:56	2
Vinyl acetate	ND		50	4.0	ug/L			04/29/21 02:56	2
Vinyl chloride	ND		2.0	1.0	ug/L			04/29/21 02:56	2
Xylenes, Total	**46**		20	3.2	ug/L			04/29/21 02:56	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*78 - 118*		*04/29/21 02:56*	*2*
Dibromofluoromethane	*101*		*81 - 121*		*04/29/21 02:56*	*2*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/29/21 02:56*	*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	0.031	ug/L		04/22/21 10:44	04/25/21 09:33	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/22/21 10:44	04/25/21 09:33	1
Anthracene	ND		0.19	0.031	ug/L		04/22/21 10:44	04/25/21 09:33	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		04/22/21 10:44	04/25/21 09:33	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/22/21 10:44	04/25/21 09:33	1
Benzo[b]fluoranthene	ND		0.19	0.033	ug/L		04/22/21 10:44	04/25/21 09:33	1
Benzo[g,h,i]perylene	ND		0.19	0.13	ug/L		04/22/21 10:44	04/25/21 09:33	1
Benzo[k]fluoranthene	ND		0.19	0.096	ug/L		04/22/21 10:44	04/25/21 09:33	1
Chrysene	ND		0.19	0.071	ug/L		04/22/21 10:44	04/25/21 09:33	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		04/22/21 10:44	04/25/21 09:33	1
Fluoranthene	ND		0.19	0.066	ug/L		04/22/21 10:44	04/25/21 09:33	1
Fluorene	ND		0.19	0.11	ug/L		04/22/21 10:44	04/25/21 09:33	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/22/21 10:44	04/25/21 09:33	1
1-Methylnaphthalene	**4.2**	J	0.19	0.071	ug/L		04/22/21 10:44	04/25/21 09:33	1
2-Methylnaphthalene	**3.7**	J	0.19	0.058	ug/L		04/22/21 10:44	04/25/21 09:33	1
Phenanthrene	ND		0.19	0.035	ug/L		04/22/21 10:44	04/25/21 09:33	1
Pyrene	ND		0.19	0.039	ug/L		04/22/21 10:44	04/25/21 09:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*40*		*15 - 122*	*04/22/21 10:44*	*04/25/21 09:33*	*1*
Nitrobenzene-d5	*15*	*S1-*	*19 - 130*	*04/22/21 10:44*	*04/25/21 09:33*	*1*

Client Sample ID: MW2-ROX-041521-DUP
Date Collected: 04/15/21 10:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-6
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	75		33 - 138	04/22/21 10:44	04/25/21 09:33	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		04/22/21 10:44	04/25/21 13:27	1
Benzenethiol	ND	*- *1 UJ	9.6	1.6	ug/L		04/22/21 10:44	04/25/21 13:27	1
Benzoic acid	ND	UJ	29	7.0	ug/L		04/22/21 10:44	04/25/21 13:27	1
Benzyl alcohol	ND	UJ	9.6	1.9	ug/L		04/22/21 10:44	04/25/21 13:27	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		04/22/21 10:44	04/25/21 13:27	1
Bis(2-chloroethyl)ether	ND		9.6	2.6	ug/L		04/22/21 10:44	04/25/21 13:27	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		04/22/21 10:44	04/25/21 13:27	1
Bis(2-ethylhexyl) phthalate	ND		9.6	4.8	ug/L		04/22/21 10:44	04/25/21 13:27	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		04/22/21 10:44	04/25/21 13:27	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		04/22/21 10:44	04/25/21 13:27	1
4-Chloroaniline	ND		9.6	3.3	ug/L		04/22/21 10:44	04/25/21 13:27	1
4-Chloro-3-methylphenol	ND	UJ	9.6	3.7	ug/L		04/22/21 10:44	04/25/21 13:27	1
2-Chloronaphthalene	ND		9.6	0.13	ug/L		04/22/21 10:44	04/25/21 13:27	1
2-Chlorophenol	ND	*- UJ	9.6	2.1	ug/L		04/22/21 10:44	04/25/21 13:27	1
4-Chlorophenyl phenyl ether	ND		9.6	1.9	ug/L		04/22/21 10:44	04/25/21 13:27	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		04/22/21 10:44	04/25/21 13:27	1
Dibenzofuran	ND		9.6	0.16	ug/L		04/22/21 10:44	04/25/21 13:27	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		04/22/21 10:44	04/25/21 13:27	1
2,4-Dichlorophenol	ND	UJ	9.6	2.9	ug/L		04/22/21 10:44	04/25/21 13:27	1
Diethyl phthalate	ND		9.6	0.23	ug/L		04/22/21 10:44	04/25/21 13:27	1
2,4-Dimethylphenol	ND	UJ	9.6	3.4	ug/L		04/22/21 10:44	04/25/21 13:27	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		04/22/21 10:44	04/25/21 13:27	1
Di-n-butyl phthalate	ND		9.6	2.6	ug/L		04/22/21 10:44	04/25/21 13:27	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		04/22/21 10:44	04/25/21 13:27	1
2,4-Dinitrophenol	ND	UJ	29	3.3	ug/L		04/22/21 10:44	04/25/21 13:27	1
2,4-Dinitrotoluene	ND		9.6	1.8	ug/L		04/22/21 10:44	04/25/21 13:27	1
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		04/22/21 10:44	04/25/21 13:27	1
Di-n-octyl phthalate	ND		9.6	0.16	ug/L		04/22/21 10:44	04/25/21 13:27	1
1,4-Dioxane	ND		9.6	0.96	ug/L		04/22/21 10:44	04/25/21 13:27	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.96	ug/L		04/22/21 10:44	04/25/21 13:27	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		04/22/21 10:44	04/25/21 13:27	1
Hexachlorocyclopentadiene	ND	UJ	19	2.5	ug/L		04/22/21 10:44	04/25/21 13:27	1
Hexachloroethane	ND		9.6	4.0	ug/L		04/22/21 10:44	04/25/21 13:27	1
Indene	ND		9.6	0.96	ug/L		04/22/21 10:44	04/25/21 13:27	1
Isophorone	ND		9.6	0.13	ug/L		04/22/21 10:44	04/25/21 13:27	1
2-Methylphenol	ND	UJ	9.6	1.7	ug/L		04/22/21 10:44	04/25/21 13:27	1
3 & 4 Methylphenol	ND	UJ	19	0.38	ug/L		04/22/21 10:44	04/25/21 13:27	1
2-Nitroaniline	ND		9.6	2.1	ug/L		04/22/21 10:44	04/25/21 13:27	1
3-Nitroaniline	ND		9.6	1.7	ug/L		04/22/21 10:44	04/25/21 13:27	1
4-Nitroaniline	ND		9.6	1.4	ug/L		04/22/21 10:44	04/25/21 13:27	1
Nitrobenzene	ND		9.6	0.13	ug/L		04/22/21 10:44	04/25/21 13:27	1
2-Nitrophenol	ND	*- UJ	9.6	5.0	ug/L		04/22/21 10:44	04/25/21 13:27	1
4-Nitrophenol	ND	UJ	9.6	2.0	ug/L		04/22/21 10:44	04/25/21 13:27	1
N-Nitrosodimethylamine	ND		9.6	3.4	ug/L		04/22/21 10:44	04/25/21 13:27	1

Client Sample ID: MW2-ROX-041521-DUP
Date Collected: 04/15/21 10:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-6
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		04/22/21 10:44	04/25/21 13:27	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		04/22/21 10:44	04/25/21 13:27	1
Pentachlorophenol	ND		19	1.3	ug/L		04/22/21 10:44	04/25/21 13:27	1
Phenol	ND		9.6	2.5	ug/L		04/22/21 10:44	04/25/21 13:27	1
Pyridine	ND		9.6	3.1	ug/L		04/22/21 10:44	04/25/21 13:27	1
Quinoline	ND		9.6	4.3	ug/L		04/22/21 10:44	04/25/21 13:27	1
2,4,5-Trichlorophenol	ND		9.6	3.6	ug/L		04/22/21 10:44	04/25/21 13:27	1
2,4,6-Trichlorophenol	ND		9.6	3.4	ug/L		04/22/21 10:44	04/25/21 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*42*	*S1-*	*46 - 124*	*04/22/21 10:44*	*04/25/21 13:27*	*1*
2-Fluorophenol	*0*	*S1-*	*13 - 113*	*04/22/21 10:44*	*04/25/21 13:27*	*1*
Nitrobenzene-d5	*37*		*36 - 126*	*04/22/21 10:44*	*04/25/21 13:27*	*1*
Phenol-d5	*0.5*	*S1-*	*17 - 127*	*04/22/21 10:44*	*04/25/21 13:27*	*1*
Terphenyl-d14	*72*		*44 - 149*	*04/22/21 10:44*	*04/25/21 13:27*	*1*
2,4,6-Tribromophenol	*0*	*S1-*	*26 - 150*	*04/22/21 10:44*	*04/25/21 13:27*	*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		04/22/21 11:01	04/22/21 22:19	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/22/21 11:01	04/22/21 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*	*p*	*51 - 149*	*04/22/21 11:01*	*04/22/21 22:19*	*1*

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

Job ID: 400-202162-1

Client Sample ID: ROST4PZC-ROX-041521-EB
Date Collected: 04/15/21 10:50
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-7
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			04/28/21 21:24	1
Acrolein	ND		20	10	ug/L			04/28/21 21:24	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/21 21:24	1
Benzene	ND		1.0	0.38	ug/L			04/28/21 21:24	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/21 21:24	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/21 21:24	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/21 21:24	1
Bromoform	ND		5.0	0.71	ug/L			04/28/21 21:24	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/21 21:24	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/21 21:24	1
Carbon disulfide	0.63	J	1.0	0.50	ug/L			04/28/21 21:24	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/28/21 21:24	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/28/21 21:24	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/28/21 21:24	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/21 21:24	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/21 21:24	1
Chloroform	ND		1.0	0.60	ug/L			04/28/21 21:24	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/28/21 21:24	1
Chloromethane	ND		1.0	0.83	ug/L			04/28/21 21:24	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 21:24	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 21:24	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/21 21:24	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/21 21:24	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/21 21:24	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/21 21:24	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 21:24	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 21:24	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 21:24	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 21:24	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 21:24	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 21:24	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/28/21 21:24	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/21 21:24	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/21 21:24	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/21 21:24	1
2-Hexanone	ND		25	3.1	ug/L			04/28/21 21:24	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/21 21:24	1
Methylene bromide	ND		5.0	0.59	ug/L			04/28/21 21:24	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/21 21:24	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/21 21:24	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/28/21 21:24	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/28/21 21:24	1
Naphthalene	ND		1.0	1.0	ug/L			04/28/21 21:24	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/21 21:24	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/21 21:24	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/21 21:24	1
o-Xylene	ND		5.0	0.60	ug/L			04/28/21 21:24	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/21 21:24	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/28/21 21:24	1

Client Sample ID: ROST4PZC-ROX-041521-EB
Date Collected: 04/15/21 10:50
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-7
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			04/28/21 21:24	1
Styrene	ND		1.0	1.0	ug/L			04/28/21 21:24	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/21 21:24	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/28/21 21:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/21 21:24	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/28/21 21:24	1
Toluene	ND		1.0	0.41	ug/L			04/28/21 21:24	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 21:24	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 21:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/28/21 21:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/21 21:24	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/28/21 21:24	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/28/21 21:24	1
Trichloroethene	ND		1.0	0.50	ug/L			04/28/21 21:24	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/28/21 21:24	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/21 21:24	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/21 21:24	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/21 21:24	1
Vinyl acetate	ND		25	2.0	ug/L			04/28/21 21:24	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/28/21 21:24	1
Xylenes, Total	ND		10	1.6	ug/L			04/28/21 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*04/28/21 21:24*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*04/28/21 21:24*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*04/28/21 21:24*	*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		0.19	0.031	ug/L		04/22/21 10:44	04/25/21 09:49	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/22/21 10:44	04/25/21 09:49	1
Anthracene	ND		0.19	0.031	ug/L		04/22/21 10:44	04/25/21 09:49	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		04/22/21 10:44	04/25/21 09:49	1
Benzo[a]pyrene	ND		0.19	0.041	ug/L		04/22/21 10:44	04/25/21 09:49	1
Benzo[b]fluoranthene	ND		0.19	0.033	ug/L		04/22/21 10:44	04/25/21 09:49	1
Benzo[g,h,i]perylene	ND		0.19	0.13	ug/L		04/22/21 10:44	04/25/21 09:49	1
Benzo[k]fluoranthene	ND		0.19	0.096	ug/L		04/22/21 10:44	04/25/21 09:49	1
Chrysene	ND		0.19	0.071	ug/L		04/22/21 10:44	04/25/21 09:49	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		04/22/21 10:44	04/25/21 09:49	1
Fluoranthene	ND		0.19	0.066	ug/L		04/22/21 10:44	04/25/21 09:49	1
Fluorene	ND		0.19	0.11	ug/L		04/22/21 10:44	04/25/21 09:49	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/22/21 10:44	04/25/21 09:49	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/22/21 10:44	04/25/21 09:49	1
2-Methylnaphthalene	ND		0.19	0.058	ug/L		04/22/21 10:44	04/25/21 09:49	1
Phenanthrene	ND		0.19	0.035	ug/L		04/22/21 10:44	04/25/21 09:49	1
Pyrene	ND		0.19	0.039	ug/L		04/22/21 10:44	04/25/21 09:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*15 - 122*	*04/22/21 10:44*	*04/25/21 09:49*	*1*
Nitrobenzene-d5	*32*		*19 - 130*	*04/22/21 10:44*	*04/25/21 09:49*	*1*

Client Sample ID: ROST4PZC-ROX-041521-EB
Date Collected: 04/15/21 10:50
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-7
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	*108*		*33 - 138*	*04/22/21 10:44*	*04/25/21 09:49*	*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		04/22/21 10:44	04/25/21 13:49	1
Benzenethiol	ND	*- *1	9.6	1.6	ug/L		04/22/21 10:44	04/25/21 13:49	1
Benzoic acid	ND		29	7.0	ug/L		04/22/21 10:44	04/25/21 13:49	1
Benzyl alcohol	ND		9.6	1.9	ug/L		04/22/21 10:44	04/25/21 13:49	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		04/22/21 10:44	04/25/21 13:49	1
Bis(2-chloroethyl)ether	ND		9.6	2.6	ug/L		04/22/21 10:44	04/25/21 13:49	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		04/22/21 10:44	04/25/21 13:49	1
Bis(2-ethylhexyl) phthalate	ND		9.6	4.8	ug/L		04/22/21 10:44	04/25/21 13:49	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		04/22/21 10:44	04/25/21 13:49	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		04/22/21 10:44	04/25/21 13:49	1
4-Chloroaniline	ND		9.6	3.3	ug/L		04/22/21 10:44	04/25/21 13:49	1
4-Chloro-3-methylphenol	ND		9.6	3.7	ug/L		04/22/21 10:44	04/25/21 13:49	1
2-Chloronaphthalene	ND		9.6	0.14	ug/L		04/22/21 10:44	04/25/21 13:49	1
2-Chlorophenol	ND	*-	9.6	2.1	ug/L		04/22/21 10:44	04/25/21 13:49	1
4-Chlorophenyl phenyl ether	ND		9.6	1.9	ug/L		04/22/21 10:44	04/25/21 13:49	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		04/22/21 10:44	04/25/21 13:49	1
Dibenzofuran	ND		9.6	0.16	ug/L		04/22/21 10:44	04/25/21 13:49	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		04/22/21 10:44	04/25/21 13:49	1
2,4-Dichlorophenol	ND		9.6	2.9	ug/L		04/22/21 10:44	04/25/21 13:49	1
Diethyl phthalate	ND		9.6	0.23	ug/L		04/22/21 10:44	04/25/21 13:49	1
2,4-Dimethylphenol	ND		9.6	3.4	ug/L		04/22/21 10:44	04/25/21 13:49	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		04/22/21 10:44	04/25/21 13:49	1
Di-n-butyl phthalate	ND		9.6	2.6	ug/L		04/22/21 10:44	04/25/21 13:49	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		04/22/21 10:44	04/25/21 13:49	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/22/21 10:44	04/25/21 13:49	1
2,4-Dinitrotoluene	ND		9.6	1.8	ug/L		04/22/21 10:44	04/25/21 13:49	1
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		04/22/21 10:44	04/25/21 13:49	1
Di-n-octyl phthalate	ND		9.6	0.16	ug/L		04/22/21 10:44	04/25/21 13:49	1
1,4-Dioxane	ND		9.6	0.96	ug/L		04/22/21 10:44	04/25/21 13:49	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.96	ug/L		04/22/21 10:44	04/25/21 13:49	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		04/22/21 10:44	04/25/21 13:49	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/22/21 10:44	04/25/21 13:49	1
Hexachloroethane	ND		9.6	4.1	ug/L		04/22/21 10:44	04/25/21 13:49	1
Indene	ND		9.6	0.96	ug/L		04/22/21 10:44	04/25/21 13:49	1
Isophorone	ND		9.6	0.14	ug/L		04/22/21 10:44	04/25/21 13:49	1
2-Methylphenol	ND		9.6	1.7	ug/L		04/22/21 10:44	04/25/21 13:49	1
3 & 4 Methylphenol	ND		19	0.38	ug/L		04/22/21 10:44	04/25/21 13:49	1
2-Nitroaniline	ND		9.6	2.1	ug/L		04/22/21 10:44	04/25/21 13:49	1
3-Nitroaniline	ND		9.6	1.7	ug/L		04/22/21 10:44	04/25/21 13:49	1
4-Nitroaniline	ND		9.6	1.4	ug/L		04/22/21 10:44	04/25/21 13:49	1
Nitrobenzene	ND		9.6	0.13	ug/L		04/22/21 10:44	04/25/21 13:49	1
2-Nitrophenol	ND	*-	9.6	5.0	ug/L		04/22/21 10:44	04/25/21 13:49	1
4-Nitrophenol	ND		9.6	2.0	ug/L		04/22/21 10:44	04/25/21 13:49	1
N-Nitrosodimethylamine	ND		9.6	3.4	ug/L		04/22/21 10:44	04/25/21 13:49	1

Client Sample ID: ROST4PZC-ROX-041521-EB
Date Collected: 04/15/21 10:50
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-7
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		9.6	3.2	ug/L		04/22/21 10:44	04/25/21 13:49	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		04/22/21 10:44	04/25/21 13:49	1
Pentachlorophenol	ND		19	1.4	ug/L		04/22/21 10:44	04/25/21 13:49	1
Phenol	ND		9.6	2.5	ug/L		04/22/21 10:44	04/25/21 13:49	1
Pyridine	ND		9.6	3.1	ug/L		04/22/21 10:44	04/25/21 13:49	1
Quinoline	ND		9.6	4.3	ug/L		04/22/21 10:44	04/25/21 13:49	1
2,4,5-Trichlorophenol	ND		9.6	3.6	ug/L		04/22/21 10:44	04/25/21 13:49	1
2,4,6-Trichlorophenol	ND		9.6	3.4	ug/L		04/22/21 10:44	04/25/21 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*46 - 124*	*04/22/21 10:44*	*04/25/21 13:49*	*1*
2-Fluorophenol	*15*		*13 - 113*	*04/22/21 10:44*	*04/25/21 13:49*	*1*
Nitrobenzene-d5	*70*		*36 - 126*	*04/22/21 10:44*	*04/25/21 13:49*	*1*
Phenol-d5	*60*		*17 - 127*	*04/22/21 10:44*	*04/25/21 13:49*	*1*
Terphenyl-d14	*88*		*44 - 149*	*04/22/21 10:44*	*04/25/21 13:49*	*1*
2,4,6-Tribromophenol	*64*		*26 - 150*	*04/22/21 10:44*	*04/25/21 13:49*	*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		0.030	0.0055	ug/L		04/22/21 11:06	04/22/21 22:39	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/22/21 11:06	04/22/21 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*115*	*p*	*51 - 149*	*04/22/21 11:06*	*04/22/21 22:39*	*1*

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

Job ID: 400-202162-1

Client Sample ID: ROST4PZC-ROX-041521
Date Collected: 04/15/21 11:40
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50	20	ug/L			04/29/21 03:23	2
Acrolein	ND		40	20	ug/L			04/29/21 03:23	2
Acrylonitrile	ND		20	5.6	ug/L			04/29/21 03:23	2
Benzene	**1.7**	J	2.0	0.76	ug/L			04/29/21 03:23	2
Bromobenzene	ND		2.0	1.1	ug/L			04/29/21 03:23	2
Bromochloromethane	ND		2.0	1.0	ug/L			04/29/21 03:23	2
Bromodichloromethane	ND		2.0	1.0	ug/L			04/29/21 03:23	2
Bromoform	ND	UJ	10	1.4	ug/L			04/29/21 03:23	2
Bromomethane	ND		2.0	2.0	ug/L			04/29/21 03:23	2
2-Butanone (MEK)	ND		50	5.2	ug/L			04/29/21 03:23	2
Carbon disulfide	ND		2.0	1.0	ug/L			04/29/21 03:23	2
Carbon tetrachloride	ND		2.0	1.0	ug/L			04/29/21 03:23	2
Chlorobenzene	ND		2.0	1.0	ug/L			04/29/21 03:23	2
Dibromochloromethane	ND		2.0	1.0	ug/L			04/29/21 03:23	2
Chloroethane	ND		2.0	1.5	ug/L			04/29/21 03:23	2
2-Chloroethyl vinyl ether	ND		10	4.0	ug/L			04/29/21 03:23	2
Chloroform	ND		2.0	1.2	ug/L			04/29/21 03:23	2
1-Chlorohexane	ND		2.0	1.4	ug/L			04/29/21 03:23	2
Chloromethane	ND		2.0	1.7	ug/L			04/29/21 03:23	2
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/L			04/29/21 03:23	2
cis-1,3-Dichloropropene	ND		10	1.0	ug/L			04/29/21 03:23	2
1,2-Dichlorobenzene	ND		2.0	1.0	ug/L			04/29/21 03:23	2
1,3-Dichlorobenzene	ND		2.0	1.1	ug/L			04/29/21 03:23	2
1,4-Dichlorobenzene	ND		2.0	1.3	ug/L			04/29/21 03:23	2
Dichlorodifluoromethane	ND		2.0	1.7	ug/L			04/29/21 03:23	2
1,1-Dichloroethane	ND		2.0	1.0	ug/L			04/29/21 03:23	2
1,2-Dichloroethane	ND		2.0	1.0	ug/L			04/29/21 03:23	2
1,1-Dichloroethene	ND		2.0	1.0	ug/L			04/29/21 03:23	2
1,2-Dichloropropane	ND		2.0	1.0	ug/L			04/29/21 03:23	2
1,3-Dichloropropane	ND		2.0	1.0	ug/L			04/29/21 03:23	2
2,2-Dichloropropane	ND		2.0	1.0	ug/L			04/29/21 03:23	2
1,1-Dichloropropene	ND		2.0	1.0	ug/L			04/29/21 03:23	2
Ethylbenzene	**1.4**	J	2.0	1.0	ug/L			04/29/21 03:23	2
Ethyl methacrylate	ND		2.0	1.2	ug/L			04/29/21 03:23	2
Hexachlorobutadiene	ND		10	1.8	ug/L			04/29/21 03:23	2
2-Hexanone	ND		50	6.2	ug/L			04/29/21 03:23	2
Isopropylbenzene	**2.3**		2.0	1.1	ug/L			04/29/21 03:23	2
Methylene bromide	ND		10	1.2	ug/L			04/29/21 03:23	2
Methylene Chloride	ND		10	6.0	ug/L			04/29/21 03:23	2
4-Methyl-2-pentanone (MIBK)	ND		50	3.6	ug/L			04/29/21 03:23	2
Methyl tert-butyl ether	ND		2.0	1.5	ug/L			04/29/21 03:23	2
m-Xylene & p-Xylene	**22**		10	3.2	ug/L			04/29/21 03:23	2
Naphthalene	**18**		2.0	2.0	ug/L			04/29/21 03:23	2
n-Butylbenzene	ND		2.0	1.5	ug/L			04/29/21 03:23	2
N-Propylbenzene	**3.7**		2.0	1.4	ug/L			04/29/21 03:23	2
o-Chlorotoluene	ND		2.0	1.1	ug/L			04/29/21 03:23	2
o-Xylene	ND		10	1.2	ug/L			04/29/21 03:23	2
p-Chlorotoluene	ND		2.0	1.1	ug/L			04/29/21 03:23	2
p-Isopropyltoluene	ND		2.0	1.4	ug/L			04/29/21 03:23	2

Client Sample ID: ROST4PZC-ROX-041521
Date Collected: 04/15/21 11:40
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		2.0	1.4	ug/L			04/29/21 03:23	2
Styrene	ND		2.0	2.0	ug/L			04/29/21 03:23	2
tert-Butylbenzene	ND		2.0	1.3	ug/L			04/29/21 03:23	2
1,1,1,2-Tetrachloroethane	ND		2.0	1.0	ug/L			04/29/21 03:23	2
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/L			04/29/21 03:23	2
Tetrachloroethene	ND		2.0	1.2	ug/L			04/29/21 03:23	2
Toluene	**2.5**		2.0	0.82	ug/L			04/29/21 03:23	2
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/L			04/29/21 03:23	2
trans-1,3-Dichloropropene	ND		10	1.0	ug/L			04/29/21 03:23	2
1,2,3-Trichlorobenzene	ND		2.0	1.4	ug/L			04/29/21 03:23	2
1,2,4-Trichlorobenzene	ND		2.0	1.6	ug/L			04/29/21 03:23	2
1,1,1-Trichloroethane	ND		2.0	1.0	ug/L			04/29/21 03:23	2
1,1,2-Trichloroethane	ND		10	1.0	ug/L			04/29/21 03:23	2
Trichloroethene	ND		2.0	1.0	ug/L			04/29/21 03:23	2
Trichlorofluoromethane	ND		2.0	1.0	ug/L			04/29/21 03:23	2
1,2,3-Trichloropropane	ND		10	1.7	ug/L			04/29/21 03:23	2
1,2,4-Trimethylbenzene	**5.2**		2.0	1.6	ug/L			04/29/21 03:23	2
1,3,5-Trimethylbenzene	**1.2**	J	2.0	1.1	ug/L			04/29/21 03:23	2
Vinyl acetate	ND		50	4.0	ug/L			04/29/21 03:23	2
Vinyl chloride	ND		2.0	1.0	ug/L			04/29/21 03:23	2
Xylenes, Total	**22**		20	3.2	ug/L			04/29/21 03:23	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*04/29/21 03:23*	*2*
Dibromofluoromethane	*99*		*81 - 121*		*04/29/21 03:23*	*2*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/29/21 03:23*	*2*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.2**		0.19	0.031	ug/L		04/22/21 10:44	04/25/21 10:04	1
Acenaphthylene	**0.18**	J	0.19	0.043	ug/L		04/22/21 10:44	04/25/21 10:04	1
Anthracene	**0.32**		0.19	0.031	ug/L		04/22/21 10:44	04/25/21 10:04	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		04/22/21 10:44	04/25/21 10:04	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/22/21 10:44	04/25/21 10:04	1
Benzo[b]fluoranthene	ND		0.19	0.033	ug/L		04/22/21 10:44	04/25/21 10:04	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/22/21 10:44	04/25/21 10:04	1
Benzo[k]fluoranthene	ND		0.19	0.096	ug/L		04/22/21 10:44	04/25/21 10:04	1
Chrysene	ND		0.19	0.071	ug/L		04/22/21 10:44	04/25/21 10:04	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		04/22/21 10:44	04/25/21 10:04	1
Fluoranthene	ND		0.19	0.065	ug/L		04/22/21 10:44	04/25/21 10:04	1
Fluorene	**1.1**		0.19	0.11	ug/L		04/22/21 10:44	04/25/21 10:04	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/22/21 10:44	04/25/21 10:04	1
1-Methylnaphthalene	**22**		0.19	0.071	ug/L		04/22/21 10:44	04/25/21 10:04	1
2-Methylnaphthalene	**13**		0.19	0.058	ug/L		04/22/21 10:44	04/25/21 10:04	1
Phenanthrene	**2.7**		0.19	0.035	ug/L		04/22/21 10:44	04/25/21 10:04	1
Pyrene	~~0.070~~	J B U	0.19	0.038	ug/L		04/22/21 10:44	04/25/21 10:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*15 - 122*	*04/22/21 10:44*	*04/25/21 10:04*	*1*
Nitrobenzene-d5	*31*		*19 - 130*	*04/22/21 10:44*	*04/25/21 10:04*	*1*

Client Sample ID: ROST4PZC-ROX-041521
Date Collected: 04/15/21 11:40
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-8
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*98*		*33 - 138*	*04/22/21 10:44*	*04/25/21 10:04*	*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		04/22/21 10:44	04/25/21 14:10	1
Benzenethiol	ND	*-*1 UJ	9.6	1.6	ug/L		04/22/21 10:44	04/25/21 14:10	1
Benzoic acid	ND		29	7.0	ug/L		04/22/21 10:44	04/25/21 14:10	1
Benzyl alcohol	ND		9.6	1.9	ug/L		04/22/21 10:44	04/25/21 14:10	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		04/22/21 10:44	04/25/21 14:10	1
Bis(2-chloroethyl)ether	ND		9.6	2.6	ug/L		04/22/21 10:44	04/25/21 14:10	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		04/22/21 10:44	04/25/21 14:10	1
Bis(2-ethylhexyl) phthalate	ND		9.6	4.8	ug/L		04/22/21 10:44	04/25/21 14:10	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		04/22/21 10:44	04/25/21 14:10	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		04/22/21 10:44	04/25/21 14:10	1
4-Chloroaniline	ND		9.6	3.3	ug/L		04/22/21 10:44	04/25/21 14:10	1
4-Chloro-3-methylphenol	ND		9.6	3.7	ug/L		04/22/21 10:44	04/25/21 14:10	1
2-Chloronaphthalene	ND		9.6	0.13	ug/L		04/22/21 10:44	04/25/21 14:10	1
2-Chlorophenol	ND	*- UJ	9.6	2.1	ug/L		04/22/21 10:44	04/25/21 14:10	1
4-Chlorophenyl phenyl ether	ND		9.6	1.9	ug/L		04/22/21 10:44	04/25/21 14:10	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		04/22/21 10:44	04/25/21 14:10	1
Dibenzofuran	ND		9.6	0.16	ug/L		04/22/21 10:44	04/25/21 14:10	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		04/22/21 10:44	04/25/21 14:10	1
2,4-Dichlorophenol	ND		9.6	2.9	ug/L		04/22/21 10:44	04/25/21 14:10	1
Diethyl phthalate	ND		9.6	0.23	ug/L		04/22/21 10:44	04/25/21 14:10	1
2,4-Dimethylphenol	ND		9.6	3.4	ug/L		04/22/21 10:44	04/25/21 14:10	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		04/22/21 10:44	04/25/21 14:10	1
Di-n-butyl phthalate	ND		9.6	2.6	ug/L		04/22/21 10:44	04/25/21 14:10	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		04/22/21 10:44	04/25/21 14:10	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/22/21 10:44	04/25/21 14:10	1
2,4-Dinitrotoluene	ND		9.6	1.8	ug/L		04/22/21 10:44	04/25/21 14:10	1
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		04/22/21 10:44	04/25/21 14:10	1
Di-n-octyl phthalate	ND		9.6	0.16	ug/L		04/22/21 10:44	04/25/21 14:10	1
1,4-Dioxane	ND		9.6	0.96	ug/L		04/22/21 10:44	04/25/21 14:10	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.96	ug/L		04/22/21 10:44	04/25/21 14:10	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		04/22/21 10:44	04/25/21 14:10	1
Hexachlorocyclopentadiene	ND	UJ	19	2.5	ug/L		04/22/21 10:44	04/25/21 14:10	1
Hexachloroethane	ND		9.6	4.0	ug/L		04/22/21 10:44	04/25/21 14:10	1
Indene	ND		9.6	0.96	ug/L		04/22/21 10:44	04/25/21 14:10	1
Isophorone	ND		9.6	0.13	ug/L		04/22/21 10:44	04/25/21 14:10	1
2-Methylphenol	ND		9.6	1.7	ug/L		04/22/21 10:44	04/25/21 14:10	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		04/22/21 10:44	04/25/21 14:10	1
2-Nitroaniline	ND		9.6	2.1	ug/L		04/22/21 10:44	04/25/21 14:10	1
3-Nitroaniline	ND		9.6	1.7	ug/L		04/22/21 10:44	04/25/21 14:10	1
4-Nitroaniline	ND		9.6	1.4	ug/L		04/22/21 10:44	04/25/21 14:10	1
Nitrobenzene	ND		9.6	0.12	ug/L		04/22/21 10:44	04/25/21 14:10	1
2-Nitrophenol	ND	*- UJ	9.6	5.0	ug/L		04/22/21 10:44	04/25/21 14:10	1
4-Nitrophenol	ND		9.6	2.0	ug/L		04/22/21 10:44	04/25/21 14:10	1
N-Nitrosodimethylamine	ND		9.6	3.4	ug/L		04/22/21 10:44	04/25/21 14:10	1

Client Sample ID: ROST4PZC-ROX-041521
Date Collected: 04/15/21 11:40
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-8
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		9.6	3.2	ug/L		04/22/21 10:44	04/25/21 14:10	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		04/22/21 10:44	04/25/21 14:10	1
Pentachlorophenol	ND		19	1.3	ug/L		04/22/21 10:44	04/25/21 14:10	1
Phenol	ND		9.6	2.5	ug/L		04/22/21 10:44	04/25/21 14:10	1
Pyridine	ND		9.6	3.1	ug/L		04/22/21 10:44	04/25/21 14:10	1
Quinoline	ND		9.6	4.3	ug/L		04/22/21 10:44	04/25/21 14:10	1
2,4,5-Trichlorophenol	ND		9.6	3.6	ug/L		04/22/21 10:44	04/25/21 14:10	1
2,4,6-Trichlorophenol	ND		9.6	3.4	ug/L		04/22/21 10:44	04/25/21 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*46 - 124*	*04/22/21 10:44*	*04/25/21 14:10*	*1*
2-Fluorophenol	*12*	*S1-*	*13 - 113*	*04/22/21 10:44*	*04/25/21 14:10*	*1*
Nitrobenzene-d5	*75*		*36 - 126*	*04/22/21 10:44*	*04/25/21 14:10*	*1*
Phenol-d5	*46*		*17 - 127*	*04/22/21 10:44*	*04/25/21 14:10*	*1*
Terphenyl-d14	*92*		*44 - 149*	*04/22/21 10:44*	*04/25/21 14:10*	*1*
2,4,6-Tribromophenol	*73*		*26 - 150*	*04/22/21 10:44*	*04/25/21 14:10*	*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	0.0053	ug/L		04/22/21 11:06	04/22/21 22:58	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		04/22/21 11:06	04/22/21 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*112*	*p*	*51 - 149*	*04/22/21 11:06*	*04/22/21 22:58*	*1*

Client Sample ID: MW22-ROX-041521
Date Collected: 04/15/21 12:25
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130	50	ug/L			04/29/21 15:06	5
Acrolein	ND		100	50	ug/L			04/29/21 15:06	5
Acrylonitrile	ND		50	14	ug/L			04/29/21 15:06	5
Benzene	**66**		5.0	1.9	ug/L			04/29/21 15:06	5
Bromobenzene	ND		5.0	2.7	ug/L			04/29/21 15:06	5
Bromochloromethane	ND		5.0	2.6	ug/L			04/29/21 15:06	5
Bromodichloromethane	ND		5.0	2.5	ug/L			04/29/21 15:06	5
Bromoform	ND		25	3.6	ug/L			04/29/21 15:06	5
Bromomethane	ND		5.0	4.9	ug/L			04/29/21 15:06	5
2-Butanone (MEK)	ND		130	13	ug/L			04/29/21 15:06	5
Carbon disulfide	ND		5.0	2.5	ug/L			04/29/21 15:06	5
Carbon tetrachloride	ND		5.0	2.5	ug/L			04/29/21 15:06	5
Chlorobenzene	ND		5.0	2.5	ug/L			04/29/21 15:06	5
Dibromochloromethane	ND		5.0	2.5	ug/L			04/29/21 15:06	5
Chloroethane	ND		5.0	3.8	ug/L			04/29/21 15:06	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			04/29/21 15:06	5
Chloroform	ND		5.0	3.0	ug/L			04/29/21 15:06	5
1-Chlorohexane	ND		5.0	3.5	ug/L			04/29/21 15:06	5
Chloromethane	ND		5.0	4.2	ug/L			04/29/21 15:06	5
cis-1,2-Dichloroethene	ND		5.0	2.5	ug/L			04/29/21 15:06	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			04/29/21 15:06	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			04/29/21 15:06	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			04/29/21 15:06	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			04/29/21 15:06	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			04/29/21 15:06	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			04/29/21 15:06	5
1,2-Dichloroethane	ND		5.0	2.5	ug/L			04/29/21 15:06	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			04/29/21 15:06	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			04/29/21 15:06	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			04/29/21 15:06	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			04/29/21 15:06	5
1,1-Dichloropropene	ND		5.0	2.5	ug/L			04/29/21 15:06	5
Ethylbenzene	**530**		5.0	2.5	ug/L			04/29/21 15:06	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			04/29/21 15:06	5
Hexachlorobutadiene	ND		25	4.5	ug/L			04/29/21 15:06	5
2-Hexanone	ND		130	16	ug/L			04/29/21 15:06	5
Isopropylbenzene	**32**		5.0	2.7	ug/L			04/29/21 15:06	5
Methylene bromide	ND		25	3.0	ug/L			04/29/21 15:06	5
Methylene Chloride	ND		25	15	ug/L			04/29/21 15:06	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			04/29/21 15:06	5
Methyl tert-butyl ether	ND		5.0	3.7	ug/L			04/29/21 15:06	5
m-Xylene & p-Xylene	**800**		25	8.0	ug/L			04/29/21 15:06	5
Naphthalene	**70**		5.0	5.0	ug/L			04/29/21 15:06	5
n-Butylbenzene	ND		5.0	3.8	ug/L			04/29/21 15:06	5
N-Propylbenzene	**53**		5.0	3.5	ug/L			04/29/21 15:06	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			04/29/21 15:06	5
o-Xylene	**53**		25	3.0	ug/L			04/29/21 15:06	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			04/29/21 15:06	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			04/29/21 15:06	5

Client Sample ID: MW22-ROX-041521
Date Collected: 04/15/21 12:25
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		5.0	3.5	ug/L			04/29/21 15:06	5
Styrene	ND		5.0	5.0	ug/L			04/29/21 15:06	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			04/29/21 15:06	5
1,1,1,2-Tetrachloroethane	ND		5.0	2.6	ug/L			04/29/21 15:06	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			04/29/21 15:06	5
Tetrachloroethene	ND		5.0	2.9	ug/L			04/29/21 15:06	5
Toluene	**45**		5.0	2.1	ug/L			04/29/21 15:06	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			04/29/21 15:06	5
trans-1,3-Dichloropropene	ND		25	2.5	ug/L			04/29/21 15:06	5
1,2,3-Trichlorobenzene	ND		5.0	3.5	ug/L			04/29/21 15:06	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			04/29/21 15:06	5
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			04/29/21 15:06	5
1,1,2-Trichloroethane	ND		25	2.5	ug/L			04/29/21 15:06	5
Trichloroethene	ND		5.0	2.5	ug/L			04/29/21 15:06	5
Trichlorofluoromethane	ND		5.0	2.6	ug/L			04/29/21 15:06	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			04/29/21 15:06	5
1,2,4-Trimethylbenzene	**330**		5.0	4.1	ug/L			04/29/21 15:06	5
1,3,5-Trimethylbenzene	**55**		5.0	2.8	ug/L			04/29/21 15:06	5
Vinyl acetate	ND		130	10	ug/L			04/29/21 15:06	5
Vinyl chloride	ND		5.0	2.5	ug/L			04/29/21 15:06	5
Xylenes, Total	**860**		50	8.0	ug/L			04/29/21 15:06	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*78 - 118*		*04/29/21 15:06*	*5*
Dibromofluoromethane	*102*		*81 - 121*		*04/29/21 15:06*	*5*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/29/21 15:06*	*5*

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		04/23/21 10:48	04/23/21 17:26	1
1,2-Dibromoethane	ND		0.019	0.0048	ug/L		04/23/21 10:48	04/23/21 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*	*p*	*51 - 149*	*04/23/21 10:48*	*04/23/21 17:26*	*1*

Qualifiers

GC/MS 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/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.
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

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)
400-202162-1	TB-ROX-041521-8260	95	97	92
400-202162-3	ROST4PZG-ROX-041521	95	102	90
400-202162-4	ROST4PZG-ROX-041521-DUP	94	102	93
400-202162-5	MW2-ROX-041521	103	99	94
400-202162-6	MW2-ROX-041521-DUP	96	101	93
400-202162-7	ROST4PZC-ROX-041521-EB	99	101	95
400-202162-8	ROST4PZC-ROX-041521	95	99	92
400-202162-9	MW22-ROX-041521	90	102	92
LCS 400-529569/1002	Lab Control Sample	103	94	99
LCS 400-529610/1004	Lab Control Sample	93	104	93
MB 400-529569/4	Method Blank	96	100	93
MB 400-529610/6	Method Blank	91	105	91

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)
400-202162-3	ROST4PZG-ROX-041521	87	34	76	69	90	85
400-202162-4	ROST4PZG-ROX-041521-DUP	82	49	77	78	82	91
400-202162-5	MW2-ROX-041521	78	0 S1-	72	14 S1-	68	57
400-202162-6	MW2-ROX-041521-DUP	42 S1-	0 S1-	37	0.5 S1-	72	0 S1-
400-202162-7	ROST4PZC-ROX-041521-EB	80	15	70	60	88	64
400-202162-8	ROST4PZC-ROX-041521	84	12 S1-	75	46	92	73
LCS 400-528698/2-A	Lab Control Sample	90	8 S1-	71	29	103	101
LCS 400-528698/3-A	Lab Control Sample	82		74		97	
LCSD 400-528698/4-A	Lab Control Sample Dup	77		69		93	
MB 400-528698/1-A	Method Blank	81	18	75	54	93	77

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)
400-202162-3	ROST4PZG-ROX-041521	86	35	94
400-202162-4	ROST4PZG-ROX-041521-DUP	85	35	96

Surrogate Summary

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

Job ID: 400-202162-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

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)
400-202162-5	MW2-ROX-041521	78	30	68
400-202162-6	MW2-ROX-041521-DUP	40	15 S1-	75
400-202162-7	ROST4PZC-ROX-041521-EB	86	32	108
400-202162-8	ROST4PZC-ROX-041521	80	31	98
LCS 400-528698/2-A	Lab Control Sample	82	124	90
MB 400-528698/1-A	Method Blank	78	35	90

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)
400-202162-2	TB-ROX-041521-8011	108 p
400-202162-3	ROST4PZG-ROX-041521	95 p
400-202162-4	ROST4PZG-ROX-041521-DUP	107 p
400-202162-5	MW2-ROX-041521	122 p
400-202162-6	MW2-ROX-041521-DUP	90 p
400-202162-7	ROST4PZC-ROX-041521-EB	115 p
400-202162-8	ROST4PZC-ROX-041521	112 p
400-202162-9	MW22-ROX-041521	87 p
LCS 400-528706/2-A	Lab Control Sample	108
LCS 400-528850/2-A	Lab Control Sample	110
MB 400-528706/1-A	Method Blank	109
MB 400-528850/1-A	Method Blank	98

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

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

Job ID: 400-202162-1

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: 400-202162-1

Client Sample ID: TB-ROX-041521-8260

Date Collected: 04/15/21 00:00
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-1
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	529569	04/28/21 20:57	WPD	TAL PEN

Client Sample ID: TB-ROX-041521-8011

Date Collected: 04/15/21 00:00
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-2
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			36.4 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 20:39	DS	TAL PEN

Client Sample ID: ROST4PZG-ROX-041521

Date Collected: 04/15/21 09:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-3
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	529569	04/28/21 21:52	WPD	TAL PEN
Total/NA	Prep	3520C			257.6 mL	1 mL	528698	04/22/21 10:44	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529074	04/25/21 12:23	S1B	TAL PEN
Total/NA	Prep	3520C			257.6 mL	1 mL	528698	04/22/21 10:44	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529075	04/25/21 08:46	PP1	TAL PEN
Total/NA	Prep	8011			36.6 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 20:59	DS	TAL PEN

Client Sample ID: ROST4PZG-ROX-041521-DUP

Date Collected: 04/15/21 09:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-4
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	529569	04/28/21 22:19	WPD	TAL PEN
Total/NA	Prep	3520C			262.6 mL	1 mL	528698	04/22/21 10:44	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529074	04/25/21 12:45	S1B	TAL PEN
Total/NA	Prep	3520C			262.6 mL	1 mL	528698	04/22/21 10:44	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529075	04/25/21 09:02	PP1	TAL PEN
Total/NA	Prep	8011			37.3 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 21:19	DS	TAL PEN

Client Sample ID: MW2-ROX-041521

Date Collected: 04/15/21 10:15
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-5
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		2	5 mL	5 mL	529569	04/29/21 02:28	WPD	TAL PEN
Total/NA	Prep	3520C			263 mL	1 mL	528698	04/22/21 10:44	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529074	04/25/21 13:06	S1B	TAL PEN

Client Sample ID: MW2-ROX-041521

Lab Sample ID: 400-202162-5

Date Collected: 04/15/21 10:15
Date Received: 04/16/21 09:37

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			263 mL	1 mL	528698	04/22/21 10:44	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529075	04/25/21 09:18	PP1	TAL PEN
Total/NA	Prep	8011			36 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 21:59	DS	TAL PEN

Client Sample ID: MW2-ROX-041521-DUP

Lab Sample ID: 400-202162-6

Date Collected: 04/15/21 10:15
Date Received: 04/16/21 09:37

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		2	5 mL	5 mL	529569	04/29/21 02:56	WPD	TAL PEN
Total/NA	Prep	3520C			259.4 mL	1 mL	528698	04/22/21 10:44	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529074	04/25/21 13:27	S1B	TAL PEN
Total/NA	Prep	3520C			259.4 mL	1 mL	528698	04/22/21 10:44	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529075	04/25/21 09:33	PP1	TAL PEN
Total/NA	Prep	8011			34.7 mL	35 mL	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 22:19	DS	TAL PEN

Client Sample ID: ROST4PZC-ROX-041521-EB

Lab Sample ID: 400-202162-7

Date Collected: 04/15/21 10:50
Date Received: 04/16/21 09:37

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	529569	04/28/21 21:24	WPD	TAL PEN
Total/NA	Prep	3520C			259.2 mL	1 mL	528698	04/22/21 10:44	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529074	04/25/21 13:49	S1B	TAL PEN
Total/NA	Prep	3520C			259.2 mL	1 mL	528698	04/22/21 10:44	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529075	04/25/21 09:49	PP1	TAL PEN
Total/NA	Prep	8011			35.2 mL	35 mL	528706	04/22/21 11:06	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 22:39	DS	TAL PEN

Client Sample ID: ROST4PZC-ROX-041521

Lab Sample ID: 400-202162-8

Date Collected: 04/15/21 11:40
Date Received: 04/16/21 09:37

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		2	5 mL	5 mL	529569	04/29/21 03:23	WPD	TAL PEN
Total/NA	Prep	3520C			260.2 mL	1 mL	528698	04/22/21 10:44	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529074	04/25/21 14:10	S1B	TAL PEN
Total/NA	Prep	3520C			260.2 mL	1 mL	528698	04/22/21 10:44	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529075	04/25/21 10:04	PP1	TAL PEN
Total/NA	Prep	8011			36.3 mL	35 mL	528706	04/22/21 11:06	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 22:58	DS	TAL PEN

Client Sample ID: MW22-ROX-041521

Lab Sample ID: 400-202162-9

Date Collected: 04/15/21 12:25

Matrix: Water

Date Received: 04/16/21 09:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	529610	04/29/21 15:06	WPD	TAL PEN
Total/NA	Prep	8011			36.3 mL	35 mL	528850	04/23/21 10:48	DS	TAL PEN
Total/NA	Analysis	8011		1			528939	04/23/21 17:26	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528698/1-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	528698	04/22/21 10:43	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529074	04/25/21 10:58	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	528698	04/22/21 10:43	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529075	04/25/21 08:15	PP1	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528706/1-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	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 14:41	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528850/1-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	528850	04/23/21 10:48	DS	TAL PEN
Total/NA	Analysis	8011		1			528939	04/23/21 16:46	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-529569/4

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	529569	04/28/21 17:02	WPD	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-529610/6

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	529610	04/29/21 13:23	WPD	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-528698/2-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	528698	04/22/21 10:43	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529379	04/27/21 17:17	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	528698	04/22/21 10:43	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			529075	04/25/21 08:31	PP1	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-528698/3-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	528698	04/22/21 10:43	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529074	04/25/21 11:19	S1B	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-528706/2-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	528706	04/22/21 11:01	JAW	TAL PEN
Total/NA	Analysis	8011		1			528733	04/22/21 15:00	DS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-528850/2-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	528850	04/23/21 10:48	DS	TAL PEN
Total/NA	Analysis	8011		1			528939	04/23/21 17:06	DS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-529569/1002

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	529569	04/28/21 16:00	WPD	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-529610/1004

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	529610	04/29/21 12:29	WPD	TAL PEN

Client Sample ID: Lab Control Sample Dup

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-528698/4-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			250 mL	1 mL	528698	04/22/21 10:43	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529074	04/25/21 11:41	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: 529569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202162-1	TB-ROX-041521-8260	Total/NA	Water	8260B	
400-202162-3	ROST4PZG-ROX-041521	Total/NA	Water	8260B	
400-202162-4	ROST4PZG-ROX-041521-DUP	Total/NA	Water	8260B	
400-202162-5	MW2-ROX-041521	Total/NA	Water	8260B	
400-202162-6	MW2-ROX-041521-DUP	Total/NA	Water	8260B	
400-202162-7	ROST4PZC-ROX-041521-EB	Total/NA	Water	8260B	
400-202162-8	ROST4PZC-ROX-041521	Total/NA	Water	8260B	
MB 400-529569/4	Method Blank	Total/NA	Water	8260B	
LCS 400-529569/1002	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 529610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202162-9	MW22-ROX-041521	Total/NA	Water	8260B	
MB 400-529610/6	Method Blank	Total/NA	Water	8260B	
LCS 400-529610/1004	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 528698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202162-3	ROST4PZG-ROX-041521	Total/NA	Water	3520C	
400-202162-4	ROST4PZG-ROX-041521-DUP	Total/NA	Water	3520C	
400-202162-5	MW2-ROX-041521	Total/NA	Water	3520C	
400-202162-6	MW2-ROX-041521-DUP	Total/NA	Water	3520C	
400-202162-7	ROST4PZC-ROX-041521-EB	Total/NA	Water	3520C	
400-202162-8	ROST4PZC-ROX-041521	Total/NA	Water	3520C	
MB 400-528698/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-528698/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-528698/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-528698/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 529074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202162-3	ROST4PZG-ROX-041521	Total/NA	Water	8270D	528698
400-202162-4	ROST4PZG-ROX-041521-DUP	Total/NA	Water	8270D	528698
400-202162-5	MW2-ROX-041521	Total/NA	Water	8270D	528698
400-202162-6	MW2-ROX-041521-DUP	Total/NA	Water	8270D	528698
400-202162-7	ROST4PZC-ROX-041521-EB	Total/NA	Water	8270D	528698
400-202162-8	ROST4PZC-ROX-041521	Total/NA	Water	8270D	528698
MB 400-528698/1-A	Method Blank	Total/NA	Water	8270D	528698
LCS 400-528698/3-A	Lab Control Sample	Total/NA	Water	8270D	528698
LCSD 400-528698/4-A	Lab Control Sample Dup	Total/NA	Water	8270D	528698

Analysis Batch: 529075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202162-3	ROST4PZG-ROX-041521	Total/NA	Water	8270D LL	528698
400-202162-4	ROST4PZG-ROX-041521-DUP	Total/NA	Water	8270D LL	528698
400-202162-5	MW2-ROX-041521	Total/NA	Water	8270D LL	528698
400-202162-6	MW2-ROX-041521-DUP	Total/NA	Water	8270D LL	528698
400-202162-7	ROST4PZC-ROX-041521-EB	Total/NA	Water	8270D LL	528698
400-202162-8	ROST4PZC-ROX-041521	Total/NA	Water	8270D LL	528698

GC/MS Semi VOA (Continued)

Analysis Batch: 529075 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-528698/1-A	Method Blank	Total/NA	Water	8270D LL	528698
LCS 400-528698/2-A	Lab Control Sample	Total/NA	Water	8270D LL	528698

Analysis Batch: 529379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-528698/2-A	Lab Control Sample	Total/NA	Water	8270D	528698

GC Semi VOA

Prep Batch: 528706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202162-2	TB-ROX-041521-8011	Total/NA	Water	8011	
400-202162-3	ROST4PZG-ROX-041521	Total/NA	Water	8011	
400-202162-4	ROST4PZG-ROX-041521-DUP	Total/NA	Water	8011	
400-202162-5	MW2-ROX-041521	Total/NA	Water	8011	
400-202162-6	MW2-ROX-041521-DUP	Total/NA	Water	8011	
400-202162-7	ROST4PZC-ROX-041521-EB	Total/NA	Water	8011	
400-202162-8	ROST4PZC-ROX-041521	Total/NA	Water	8011	
MB 400-528706/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-528706/2-A	Lab Control Sample	Total/NA	Water	8011	

Analysis Batch: 528733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202162-2	TB-ROX-041521-8011	Total/NA	Water	8011	528706
400-202162-3	ROST4PZG-ROX-041521	Total/NA	Water	8011	528706
400-202162-4	ROST4PZG-ROX-041521-DUP	Total/NA	Water	8011	528706
400-202162-5	MW2-ROX-041521	Total/NA	Water	8011	528706
400-202162-6	MW2-ROX-041521-DUP	Total/NA	Water	8011	528706
400-202162-7	ROST4PZC-ROX-041521-EB	Total/NA	Water	8011	528706
400-202162-8	ROST4PZC-ROX-041521	Total/NA	Water	8011	528706
MB 400-528706/1-A	Method Blank	Total/NA	Water	8011	528706
LCS 400-528706/2-A	Lab Control Sample	Total/NA	Water	8011	528706

Prep Batch: 528850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202162-9	MW22-ROX-041521	Total/NA	Water	8011	
MB 400-528850/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-528850/2-A	Lab Control Sample	Total/NA	Water	8011	

Analysis Batch: 528939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202162-9	MW22-ROX-041521	Total/NA	Water	8011	528850
MB 400-528850/1-A	Method Blank	Total/NA	Water	8011	528850
LCS 400-528850/2-A	Lab Control Sample	Total/NA	Water	8011	528850

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-529569/4
Matrix: Water
Analysis Batch: 529569

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			04/28/21 17:02	1
Acrolein	ND		20	10	ug/L			04/28/21 17:02	1
Acrylonitrile	ND		10	2.8	ug/L			04/28/21 17:02	1
Benzene	ND		1.0	0.38	ug/L			04/28/21 17:02	1
Bromobenzene	ND		1.0	0.54	ug/L			04/28/21 17:02	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/28/21 17:02	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/28/21 17:02	1
Bromoform	ND		5.0	0.71	ug/L			04/28/21 17:02	1
Bromomethane	ND		1.0	0.98	ug/L			04/28/21 17:02	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/28/21 17:02	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/28/21 17:02	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/28/21 17:02	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/28/21 17:02	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/28/21 17:02	1
Chloroethane	ND		1.0	0.76	ug/L			04/28/21 17:02	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/28/21 17:02	1
Chloroform	ND		1.0	0.60	ug/L			04/28/21 17:02	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/28/21 17:02	1
Chloromethane	ND		1.0	0.83	ug/L			04/28/21 17:02	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 17:02	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 17:02	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/28/21 17:02	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/28/21 17:02	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/28/21 17:02	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/28/21 17:02	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 17:02	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/28/21 17:02	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 17:02	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 17:02	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 17:02	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/28/21 17:02	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/28/21 17:02	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/28/21 17:02	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/28/21 17:02	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/28/21 17:02	1
2-Hexanone	ND		25	3.1	ug/L			04/28/21 17:02	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/28/21 17:02	1
Methylene bromide	ND		5.0	0.59	ug/L			04/28/21 17:02	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/28/21 17:02	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/28/21 17:02	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/28/21 17:02	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/28/21 17:02	1
Naphthalene	ND		1.0	1.0	ug/L			04/28/21 17:02	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/28/21 17:02	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/28/21 17:02	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/28/21 17:02	1
o-Xylene	ND		5.0	0.60	ug/L			04/28/21 17:02	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/28/21 17:02	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-529569/4
Matrix: Water
Analysis Batch: 529569

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			04/28/21 17:02	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/28/21 17:02	1
Styrene	ND		1.0	1.0	ug/L			04/28/21 17:02	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/28/21 17:02	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/28/21 17:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/28/21 17:02	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/28/21 17:02	1
Toluene	ND		1.0	0.41	ug/L			04/28/21 17:02	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/28/21 17:02	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/28/21 17:02	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/28/21 17:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/28/21 17:02	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/28/21 17:02	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/28/21 17:02	1
Trichloroethene	ND		1.0	0.50	ug/L			04/28/21 17:02	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/28/21 17:02	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/28/21 17:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/28/21 17:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/28/21 17:02	1
Vinyl acetate	ND		25	2.0	ug/L			04/28/21 17:02	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/28/21 17:02	1
Xylenes, Total	ND		10	1.6	ug/L			04/28/21 17:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*78 - 118*		*04/28/21 17:02*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*04/28/21 17:02*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/28/21 17:02*	*1*

Lab Sample ID: LCS 400-529569/1002
Matrix: Water
Analysis Batch: 529569

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	204		ug/L		102	43 - 160
Acrolein	500	465		ug/L		93	38 - 160
Acrylonitrile	500	481		ug/L		96	64 - 142
Benzene	50.0	49.2		ug/L		98	70 - 130
Bromobenzene	50.0	48.6		ug/L		97	70 - 132
Bromochloromethane	50.0	43.0		ug/L		86	70 - 130
Bromodichloromethane	50.0	46.9		ug/L		94	67 - 133
Bromoform	50.0	45.1		ug/L		90	57 - 140
Bromomethane	50.0	20.0		ug/L		40	10 - 160
2-Butanone (MEK)	200	194		ug/L		97	61 - 145
Carbon disulfide	50.0	45.8		ug/L		92	61 - 137
Carbon tetrachloride	50.0	48.9		ug/L		98	61 - 137
Chlorobenzene	50.0	48.2		ug/L		96	70 - 130
Dibromochloromethane	50.0	45.8		ug/L		92	67 - 135
Chloroethane	50.0	41.6		ug/L		83	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529569/1002
Matrix: Water
Analysis Batch: 529569

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	44.2		ug/L		88	10 - 160
Chloroform	50.0	48.3		ug/L		97	69 - 130
1-Chlorohexane	50.0	52.6		ug/L		105	69 - 130
Chloromethane	50.0	37.4		ug/L		75	58 - 137
cis-1,2-Dichloroethene	50.0	50.4		ug/L		101	68 - 130
cis-1,3-Dichloropropene	50.0	47.9		ug/L		96	69 - 132
1,2-Dichlorobenzene	50.0	48.2		ug/L		96	67 - 130
1,3-Dichlorobenzene	50.0	51.6		ug/L		103	70 - 130
1,4-Dichlorobenzene	50.0	51.7		ug/L		103	70 - 130
Dichlorodifluoromethane	50.0	32.9		ug/L		66	41 - 146
1,1-Dichloroethane	50.0	47.8		ug/L		96	70 - 130
1,2-Dichloroethane	50.0	49.0		ug/L		98	69 - 130
1,1-Dichloroethene	50.0	47.2		ug/L		94	63 - 134
1,2-Dichloropropane	50.0	48.1		ug/L		96	70 - 130
1,3-Dichloropropane	50.0	46.4		ug/L		93	70 - 130
2,2-Dichloropropane	50.0	48.4		ug/L		97	52 - 135
1,1-Dichloropropene	50.0	47.1		ug/L		94	70 - 130
Ethylbenzene	50.0	48.4		ug/L		97	70 - 130
Ethyl methacrylate	50.0	47.6		ug/L		95	68 - 130
Hexachlorobutadiene	50.0	55.1		ug/L		110	53 - 140
2-Hexanone	200	185		ug/L		93	65 - 137
Isopropylbenzene	50.0	49.9		ug/L		100	70 - 130
Methylene bromide	50.0	51.6		ug/L		103	70 - 130
Methylene Chloride	50.0	48.0		ug/L		96	66 - 135
4-Methyl-2-pentanone (MIBK)	200	196		ug/L		98	69 - 138
Methyl tert-butyl ether	50.0	50.1		ug/L		100	66 - 130
m-Xylene & p-Xylene	50.0	49.3		ug/L		99	70 - 130
Naphthalene	50.0	46.3		ug/L		93	47 - 149
n-Butylbenzene	50.0	52.5		ug/L		105	67 - 130
N-Propylbenzene	50.0	50.9		ug/L		102	70 - 130
o-Chlorotoluene	50.0	49.6		ug/L		99	70 - 130
o-Xylene	50.0	47.7		ug/L		95	70 - 130
p-Chlorotoluene	50.0	48.4		ug/L		97	70 - 130
p-Isopropyltoluene	50.0	52.1		ug/L		104	65 - 130
sec-Butylbenzene	50.0	50.2		ug/L		100	66 - 130
Styrene	50.0	47.9		ug/L		96	70 - 130
tert-Butylbenzene	50.0	53.0		ug/L		106	64 - 139
1,1,1,2-Tetrachloroethane	50.0	48.9		ug/L		98	67 - 131
1,1,2,2-Tetrachloroethane	50.0	46.9		ug/L		94	70 - 131
Tetrachloroethene	50.0	44.6		ug/L		89	65 - 130
Toluene	50.0	46.6		ug/L		93	70 - 130
trans-1,2-Dichloroethene	50.0	47.2		ug/L		94	70 - 130
trans-1,3-Dichloropropene	50.0	48.5		ug/L		97	63 - 130
1,2,3-Trichlorobenzene	50.0	50.9		ug/L		102	60 - 138
1,2,4-Trichlorobenzene	50.0	50.8		ug/L		102	60 - 140
1,1,1-Trichloroethane	50.0	46.6		ug/L		93	68 - 130
1,1,2-Trichloroethane	50.0	47.1		ug/L		94	70 - 130
Trichloroethene	50.0	49.3		ug/L		99	70 - 130
Trichlorofluoromethane	50.0	46.0		ug/L		92	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529569/1002
Matrix: Water
Analysis Batch: 529569

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	45.8		ug/L		92	70 - 130
1,2,4-Trimethylbenzene	50.0	49.3		ug/L		99	70 - 130
1,3,5-Trimethylbenzene	50.0	49.9		ug/L		100	69 - 130
Vinyl acetate	100	111		ug/L		111	26 - 160
Vinyl chloride	50.0	42.8		ug/L		86	59 - 136
Xylenes, Total	100	97.0		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*78 - 118*
Dibromofluoromethane	*94*		*81 - 121*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 400-529610/6
Matrix: Water
Analysis Batch: 529610

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			04/29/21 13:23	1
Acrolein	ND		20	10	ug/L			04/29/21 13:23	1
Acrylonitrile	ND		10	2.8	ug/L			04/29/21 13:23	1
Benzene	ND		1.0	0.38	ug/L			04/29/21 13:23	1
Bromobenzene	ND		1.0	0.54	ug/L			04/29/21 13:23	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/29/21 13:23	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/29/21 13:23	1
Bromoform	ND		5.0	0.71	ug/L			04/29/21 13:23	1
Bromomethane	ND		1.0	0.98	ug/L			04/29/21 13:23	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/29/21 13:23	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/29/21 13:23	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/29/21 13:23	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/29/21 13:23	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/29/21 13:23	1
Chloroethane	ND		1.0	0.76	ug/L			04/29/21 13:23	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/29/21 13:23	1
Chloroform	ND		1.0	0.60	ug/L			04/29/21 13:23	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/29/21 13:23	1
Chloromethane	ND		1.0	0.83	ug/L			04/29/21 13:23	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/29/21 13:23	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/29/21 13:23	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/29/21 13:23	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/29/21 13:23	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/29/21 13:23	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/29/21 13:23	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/29/21 13:23	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/29/21 13:23	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/29/21 13:23	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/29/21 13:23	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/29/21 13:23	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/29/21 13:23	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-529610/6
Matrix: Water
Analysis Batch: 529610

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			04/29/21 13:23	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/29/21 13:23	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/29/21 13:23	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/29/21 13:23	1
2-Hexanone	ND		25	3.1	ug/L			04/29/21 13:23	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/29/21 13:23	1
Methylene bromide	ND		5.0	0.59	ug/L			04/29/21 13:23	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/29/21 13:23	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/29/21 13:23	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/29/21 13:23	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/29/21 13:23	1
Naphthalene	ND		1.0	1.0	ug/L			04/29/21 13:23	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/29/21 13:23	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/29/21 13:23	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/29/21 13:23	1
o-Xylene	ND		5.0	0.60	ug/L			04/29/21 13:23	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/29/21 13:23	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/29/21 13:23	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/29/21 13:23	1
Styrene	ND		1.0	1.0	ug/L			04/29/21 13:23	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/29/21 13:23	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/29/21 13:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/29/21 13:23	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/29/21 13:23	1
Toluene	ND		1.0	0.41	ug/L			04/29/21 13:23	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/29/21 13:23	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/29/21 13:23	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/29/21 13:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/29/21 13:23	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/29/21 13:23	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/29/21 13:23	1
Trichloroethene	ND		1.0	0.50	ug/L			04/29/21 13:23	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/29/21 13:23	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/29/21 13:23	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/29/21 13:23	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/29/21 13:23	1
Vinyl acetate	ND		25	2.0	ug/L			04/29/21 13:23	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/29/21 13:23	1
Xylenes, Total	ND		10	1.6	ug/L			04/29/21 13:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*04/29/21 13:23*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*04/29/21 13:23*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/29/21 13:23*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529610/1004
Matrix: Water
Analysis Batch: 529610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	191		ug/L		96	43 - 160
Acrolein	500	400		ug/L		80	38 - 160
Acrylonitrile	500	395		ug/L		79	64 - 142
Benzene	50.0	49.2		ug/L		98	70 - 130
Bromobenzene	50.0	49.1		ug/L		98	70 - 132
Bromochloromethane	50.0	52.5		ug/L		105	70 - 130
Bromodichloromethane	50.0	50.3		ug/L		101	67 - 133
Bromoform	50.0	48.9		ug/L		98	57 - 140
Bromomethane	50.0	41.3		ug/L		83	10 - 160
2-Butanone (MEK)	200	202		ug/L		101	61 - 145
Carbon disulfide	50.0	49.1		ug/L		98	61 - 137
Carbon tetrachloride	50.0	58.8		ug/L		118	61 - 137
Chlorobenzene	50.0	47.1		ug/L		94	70 - 130
Dibromochloromethane	50.0	45.4		ug/L		91	67 - 135
Chloroethane	50.0	40.9		ug/L		82	55 - 141
2-Chloroethyl vinyl ether	50.0	37.8		ug/L		76	10 - 160
Chloroform	50.0	51.4		ug/L		103	69 - 130
1-Chlorohexane	50.0	39.5		ug/L		79	69 - 130
Chloromethane	50.0	29.1		ug/L		58	58 - 137
cis-1,2-Dichloroethene	50.0	49.1		ug/L		98	68 - 130
cis-1,3-Dichloropropene	50.0	49.1		ug/L		98	69 - 132
1,2-Dichlorobenzene	50.0	49.0		ug/L		98	67 - 130
1,3-Dichlorobenzene	50.0	50.7		ug/L		101	70 - 130
1,4-Dichlorobenzene	50.0	51.4		ug/L		103	70 - 130
Dichlorodifluoromethane	50.0	38.3		ug/L		77	41 - 146
1,1-Dichloroethane	50.0	46.7		ug/L		93	70 - 130
1,2-Dichloroethane	50.0	52.5		ug/L		105	69 - 130
1,1-Dichloroethene	50.0	51.7		ug/L		103	63 - 134
1,2-Dichloropropane	50.0	41.7		ug/L		83	70 - 130
1,3-Dichloropropane	50.0	40.9		ug/L		82	70 - 130
2,2-Dichloropropane	50.0	55.9		ug/L		112	52 - 135
1,1-Dichloropropene	50.0	51.5		ug/L		103	70 - 130
Ethylbenzene	50.0	45.2		ug/L		90	70 - 130
Ethyl methacrylate	50.0	42.6		ug/L		85	68 - 130
Hexachlorobutadiene	50.0	64.5		ug/L		129	53 - 140
2-Hexanone	200	133		ug/L		67	65 - 137
Isopropylbenzene	50.0	47.6		ug/L		95	70 - 130
Methylene bromide	50.0	52.7		ug/L		105	70 - 130
Methylene Chloride	50.0	51.0		ug/L		102	66 - 135
4-Methyl-2-pentanone (MIBK)	200	156		ug/L		78	69 - 138
Methyl tert-butyl ether	50.0	57.2		ug/L		114	66 - 130
m-Xylene & p-Xylene	50.0	46.0		ug/L		92	70 - 130
Naphthalene	50.0	42.8		ug/L		86	47 - 149
n-Butylbenzene	50.0	44.0		ug/L		88	67 - 130
N-Propylbenzene	50.0	46.6		ug/L		93	70 - 130
o-Chlorotoluene	50.0	44.6		ug/L		89	70 - 130
o-Xylene	50.0	45.4		ug/L		91	70 - 130
p-Chlorotoluene	50.0	44.8		ug/L		90	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529610/1004
Matrix: Water
Analysis Batch: 529610

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	48.7		ug/L		97	65 - 130
sec-Butylbenzene	50.0	44.6		ug/L		89	66 - 130
Styrene	50.0	46.0		ug/L		92	70 - 130
tert-Butylbenzene	50.0	50.2		ug/L		100	64 - 139
1,1,1,2-Tetrachloroethane	50.0	49.1		ug/L		98	67 - 131
1,1,2,2-Tetrachloroethane	50.0	40.0		ug/L		80	70 - 131
Tetrachloroethene	50.0	52.1		ug/L		104	65 - 130
Toluene	50.0	44.5		ug/L		89	70 - 130
trans-1,2-Dichloroethene	50.0	51.4		ug/L		103	70 - 130
trans-1,3-Dichloropropene	50.0	44.5		ug/L		89	63 - 130
1,2,3-Trichlorobenzene	50.0	54.0		ug/L		108	60 - 138
1,2,4-Trichlorobenzene	50.0	51.9		ug/L		104	60 - 140
1,1,1-Trichloroethane	50.0	54.2		ug/L		108	68 - 130
1,1,2-Trichloroethane	50.0	45.0		ug/L		90	70 - 130
Trichloroethene	50.0	54.3		ug/L		109	70 - 130
Trichlorofluoromethane	50.0	54.1		ug/L		108	65 - 138
1,2,3-Trichloropropane	50.0	42.4		ug/L		85	70 - 130
1,2,4-Trimethylbenzene	50.0	44.9		ug/L		90	70 - 130
1,3,5-Trimethylbenzene	50.0	45.6		ug/L		91	69 - 130
Vinyl acetate	100	119		ug/L		119	26 - 160
Vinyl chloride	50.0	42.1		ug/L		84	59 - 136
Xylenes, Total	100	91.4		ug/L		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*78 - 118*
Dibromofluoromethane	*104*		*81 - 121*
Toluene-d8 (Surr)	*93*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-528698/1-A
Matrix: Water
Analysis Batch: 529074

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		04/22/21 10:43	04/25/21 10:58	1
Benzenethiol	ND		10	1.7	ug/L		04/22/21 10:43	04/25/21 10:58	1
Benzoic acid	ND		30	7.3	ug/L		04/22/21 10:43	04/25/21 10:58	1
Benzyl alcohol	ND		10	2.0	ug/L		04/22/21 10:43	04/25/21 10:58	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/22/21 10:43	04/25/21 10:58	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/22/21 10:43	04/25/21 10:58	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/22/21 10:43	04/25/21 10:58	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		04/22/21 10:43	04/25/21 10:58	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/22/21 10:43	04/25/21 10:58	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/22/21 10:43	04/25/21 10:58	1
4-Chloroaniline	ND		10	3.4	ug/L		04/22/21 10:43	04/25/21 10:58	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		04/22/21 10:43	04/25/21 10:58	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/22/21 10:43	04/25/21 10:58	1
2-Chlorophenol	ND		10	2.2	ug/L		04/22/21 10:43	04/25/21 10:58	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-528698/1-A
Matrix: Water
Analysis Batch: 529074

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/22/21 10:43	04/25/21 10:58	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/22/21 10:43	04/25/21 10:58	1
Dibenzofuran	ND		10	0.17	ug/L		04/22/21 10:43	04/25/21 10:58	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/22/21 10:43	04/25/21 10:58	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/22/21 10:43	04/25/21 10:58	1
Diethyl phthalate	ND		10	0.24	ug/L		04/22/21 10:43	04/25/21 10:58	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		04/22/21 10:43	04/25/21 10:58	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/22/21 10:43	04/25/21 10:58	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/22/21 10:43	04/25/21 10:58	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/22/21 10:43	04/25/21 10:58	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		04/22/21 10:43	04/25/21 10:58	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/22/21 10:43	04/25/21 10:58	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/22/21 10:43	04/25/21 10:58	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/22/21 10:43	04/25/21 10:58	1
1,4-Dioxane	ND		10	1.0	ug/L		04/22/21 10:43	04/25/21 10:58	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/22/21 10:43	04/25/21 10:58	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/22/21 10:43	04/25/21 10:58	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/22/21 10:43	04/25/21 10:58	1
Hexachloroethane	ND		10	4.2	ug/L		04/22/21 10:43	04/25/21 10:58	1
Indene	ND		10	1.0	ug/L		04/22/21 10:43	04/25/21 10:58	1
Isophorone	ND		10	0.14	ug/L		04/22/21 10:43	04/25/21 10:58	1
2-Methylphenol	ND		10	1.8	ug/L		04/22/21 10:43	04/25/21 10:58	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/22/21 10:43	04/25/21 10:58	1
2-Nitroaniline	ND		10	2.2	ug/L		04/22/21 10:43	04/25/21 10:58	1
3-Nitroaniline	ND		10	1.8	ug/L		04/22/21 10:43	04/25/21 10:58	1
4-Nitroaniline	ND		10	1.5	ug/L		04/22/21 10:43	04/25/21 10:58	1
Nitrobenzene	ND		10	0.13	ug/L		04/22/21 10:43	04/25/21 10:58	1
2-Nitrophenol	ND		10	5.2	ug/L		04/22/21 10:43	04/25/21 10:58	1
4-Nitrophenol	ND		10	2.1	ug/L		04/22/21 10:43	04/25/21 10:58	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		04/22/21 10:43	04/25/21 10:58	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		04/22/21 10:43	04/25/21 10:58	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/22/21 10:43	04/25/21 10:58	1
Pentachlorophenol	ND		20	1.4	ug/L		04/22/21 10:43	04/25/21 10:58	1
Phenol	ND		10	2.6	ug/L		04/22/21 10:43	04/25/21 10:58	1
Pyridine	ND		10	3.2	ug/L		04/22/21 10:43	04/25/21 10:58	1
Quinoline	ND		10	4.5	ug/L		04/22/21 10:43	04/25/21 10:58	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/22/21 10:43	04/25/21 10:58	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/22/21 10:43	04/25/21 10:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*46 - 124*	*04/22/21 10:43*	*04/25/21 10:58*	*1*
2-Fluorophenol	*18*		*13 - 113*	*04/22/21 10:43*	*04/25/21 10:58*	*1*
Nitrobenzene-d5	*75*		*36 - 126*	*04/22/21 10:43*	*04/25/21 10:58*	*1*
Phenol-d5	*54*		*17 - 127*	*04/22/21 10:43*	*04/25/21 10:58*	*1*
Terphenyl-d14	*93*		*44 - 149*	*04/22/21 10:43*	*04/25/21 10:58*	*1*
2,4,6-Tribromophenol	*77*		*26 - 150*	*04/22/21 10:43*	*04/25/21 10:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528698/2-A
Matrix: Water
Analysis Batch: 529379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	90.6		ug/L		75	21 - 120
Benzoic acid	502	293		ug/L		58	10 - 144
Benzyl alcohol	120	84.3		ug/L		70	28 - 120
Bis(2-chloroethoxy)methane	120	81.9		ug/L		68	47 - 120
Bis(2-chloroethyl)ether	120	74.7		ug/L		62	44 - 120
bis (2-chloroisopropyl) ether	120	54.4		ug/L		45	33 - 121
Bis(2-ethylhexyl) phthalate	120	98.5		ug/L		82	52 - 147
4-Bromophenyl phenyl ether	120	129		ug/L		108	54 - 122
Butyl benzyl phthalate	120	102		ug/L		85	54 - 133
4-Chloroaniline	120	83.2		ug/L		69	26 - 120
4-Chloro-3-methylphenol	120	85.6		ug/L		71	48 - 131
2-Chloronaphthalene	120	109		ug/L		91	52 - 121
2-Chlorophenol	120	25.9	*-	ug/L		22	40 - 120
4-Chlorophenyl phenyl ether	120	121		ug/L		101	56 - 125
Dibenz[a,h]acridine	120	120		ug/L		100	31 - 150
Dibenzofuran	120	114		ug/L		95	56 - 122
3,3'-Dichlorobenzidine	160	144		ug/L		90	36 - 132
2,4-Dichlorophenol	120	59.0		ug/L		49	49 - 120
Diethyl phthalate	120	113		ug/L		94	50 - 137
2,4-Dimethylphenol	120	91.9		ug/L		77	48 - 120
Dimethyl phthalate	120	113		ug/L		94	57 - 124
Di-n-butyl phthalate	120	102		ug/L		85	58 - 126
4,6-Dinitro-ortho-cresol	240	149		ug/L		62	23 - 148
2,4-Dinitrophenol	240	173		ug/L		72	10 - 150
2,4-Dinitrotoluene	120	122		ug/L		102	54 - 142
2,6-Dinitrotoluene	120	130		ug/L		108	55 - 130
Di-n-octyl phthalate	120	103		ug/L		86	57 - 138
1,4-Dioxane	120	53.5		ug/L		45	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	77.6		ug/L		65	45 - 124
Hexachlorobenzene	120	138		ug/L		115	52 - 129
Hexachlorocyclopentadiene	120	63.1		ug/L		53	10 - 134
Hexachloroethane	120	83.5		ug/L		70	20 - 120
Indene	120	94.6		ug/L		79	49 - 120
Isophorone	120	80.1		ug/L		67	48 - 120
2-Methylphenol	120	68.9		ug/L		57	46 - 124
3 & 4 Methylphenol	120	63.8		ug/L		53	45 - 120
2-Nitroaniline	120	81.7		ug/L		68	51 - 145
3-Nitroaniline	120	71.0		ug/L		59	37 - 127
4-Nitroaniline	120	105		ug/L		87	36 - 137
Nitrobenzene	120	77.0		ug/L		64	45 - 120
2-Nitrophenol	120	34.3	*-	ug/L		29	40 - 124
4-Nitrophenol	240	170		ug/L		71	23 - 146
N-Nitrosodimethylamine	120	67.8		ug/L		56	29 - 137
N-Nitrosodi-n-propylamine	120	82.0		ug/L		68	45 - 120
N-Nitrosodiphenylamine	119	104		ug/L		88	54 - 120
Pentachlorophenol	240	227		ug/L		95	31 - 130
Phenol	120	34.4		ug/L		29	11 - 120
Pyridine	240	89.5		ug/L		37	16 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528698/2-A
Matrix: Water
Analysis Batch: 529379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Quinoline	120	103		ug/L		86	49 - 130
2,4,5-Trichlorophenol	120	88.7		ug/L		74	51 - 136
2,4,6-Trichlorophenol	120	67.9		ug/L		57	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*90*		*46 - 124*
2-Fluorophenol	*8*	*S1-*	*13 - 113*
Nitrobenzene-d5	*71*		*36 - 126*
Phenol-d5	*29*		*17 - 127*
Terphenyl-d14	*103*		*44 - 149*
2,4,6-Tribromophenol	*101*		*26 - 150*

Lab Sample ID: LCS 400-528698/3-A
Matrix: Water
Analysis Batch: 529074

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	ND	*-	ug/L		1	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*46 - 124*
Nitrobenzene-d5	*74*		*36 - 126*
Terphenyl-d14	*97*		*44 - 149*

Lab Sample ID: LCSD 400-528698/4-A
Matrix: Water
Analysis Batch: 529074

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528698

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	ND	*- *1	ug/L		0.2	10 - 120	145	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*77*		*46 - 124*
Nitrobenzene-d5	*69*		*36 - 126*
Terphenyl-d14	*93*		*44 - 149*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-528698/1-A
Matrix: Water
Analysis Batch: 529075

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		04/22/21 10:43	04/25/21 08:15	1
Acenaphthylene	ND		0.20	0.045	ug/L		04/22/21 10:43	04/25/21 08:15	1
Anthracene	ND		0.20	0.032	ug/L		04/22/21 10:43	04/25/21 08:15	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		04/22/21 10:43	04/25/21 08:15	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/22/21 10:43	04/25/21 08:15	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 400-528698/1-A
Matrix: Water
Analysis Batch: 529075

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/22/21 10:43	04/25/21 08:15	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/22/21 10:43	04/25/21 08:15	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/22/21 10:43	04/25/21 08:15	1
Chrysene	ND		0.20	0.074	ug/L		04/22/21 10:43	04/25/21 08:15	1
Dibenz(a,h)anthracene	0.0500	J	0.20	0.050	ug/L		04/22/21 10:43	04/25/21 08:15	1
Fluoranthene	0.0765	J	0.20	0.068	ug/L		04/22/21 10:43	04/25/21 08:15	1
Fluorene	ND		0.20	0.11	ug/L		04/22/21 10:43	04/25/21 08:15	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/22/21 10:43	04/25/21 08:15	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		04/22/21 10:43	04/25/21 08:15	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		04/22/21 10:43	04/25/21 08:15	1
Phenanthrene	ND		0.20	0.036	ug/L		04/22/21 10:43	04/25/21 08:15	1
Pyrene	0.0729	J	0.20	0.040	ug/L		04/22/21 10:43	04/25/21 08:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*15 - 122*	*04/22/21 10:43*	*04/25/21 08:15*	*1*
Nitrobenzene-d5	*35*		*19 - 130*	*04/22/21 10:43*	*04/25/21 08:15*	*1*
Terphenyl-d14	*90*		*33 - 138*	*04/22/21 10:43*	*04/25/21 08:15*	*1*

Lab Sample ID: LCS 400-528698/2-A
Matrix: Water
Analysis Batch: 529075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	107		ug/L		89	41 - 120
Acenaphthylene	120	108		ug/L		90	44 - 120
Anthracene	120	109		ug/L		91	49 - 120
Benzo[a]anthracene	120	105		ug/L		87	61 - 135
Benzo[a]pyrene	120	116		ug/L		96	52 - 120
Benzo[b]fluoranthene	120	99.9		ug/L		83	53 - 134
Benzo[g,h,i]perylene	120	105		ug/L		87	47 - 133
Benzo[k]fluoranthene	120	104		ug/L		87	57 - 134
Chrysene	120	99.7		ug/L		83	55 - 122
Dibenz(a,h)anthracene	120	100		ug/L		83	48 - 146
Fluoranthene	120	114		ug/L		95	54 - 128
Fluorene	120	110		ug/L		91	45 - 125
Indeno[1,2,3-cd]pyrene	120	102		ug/L		85	43 - 142
1-Methylnaphthalene	120	82.8		ug/L		69	41 - 120
2-Methylnaphthalene	120	90.5		ug/L		75	32 - 124
Phenanthrene	120	101		ug/L		84	48 - 120
Pyrene	120	102		ug/L		85	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*15 - 122*
Nitrobenzene-d5	*124*		*19 - 130*
Terphenyl-d14	*90*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-528706/1-A
Matrix: Water
Analysis Batch: 528733

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528706

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		04/22/21 11:01	04/22/21 14:41	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/22/21 11:01	04/22/21 14:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*109*		*51 - 149*	*04/22/21 11:01*	*04/22/21 14:41*	*1*

Lab Sample ID: LCS 400-528706/2-A
Matrix: Water
Analysis Batch: 528733

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.110		ug/L		109	60 - 140
1,2-Dibromoethane	0.101	0.113		ug/L		112	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*108*		*51 - 149*

Lab Sample ID: MB 400-528850/1-A
Matrix: Water
Analysis Batch: 528939

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528850

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		04/23/21 10:48	04/23/21 16:46	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/23/21 10:48	04/23/21 16:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*51 - 149*	*04/23/21 10:48*	*04/23/21 16:46*	*1*

Lab Sample ID: LCS 400-528850/2-A
Matrix: Water
Analysis Batch: 528939

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528850

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.112		ug/L		111	60 - 140
1,2-Dibromoethane	0.101	0.113		ug/L		112	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*110*		*51 - 149*

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
☐ Other (_____)

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 – 3.2.2F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES
DATE: 4/15/21
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 – 3.2.2F

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
SAMPLER NAME(S) (Print): Aaron Oliver, Tony Jones
LAB USE ONLY

400-202162 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
60648474 – 3.2.2F

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VCC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270LL
	TB-Rox-041521-8260	4/15/21	00:00	Water	2					2	X			
	TB-Rox-041521-8011		00:00		2					2		X		
	Rost4PZG-Rox-041521		0915		6			2		8	X	X	X	X
	Rost4PZG-Rox-041521-Dup		0915		6			2		8	X	X	X	X
	MW2-Rox-041521		1015		6			2		8	X	X	X	X
	MW2-Rox-041521-Dup		1015		6			2		8	X	X	X	X
	~~Rost4PZC-041521-EB~~													
	Rost4PZC-Rox-041521-EB		1050		6			2		8	X	X	X	X
	Rost4PZC-Rox-041521		1140		6			2		8	X	X	X	X
	MW22-Rox-041521		1225		6			2		8	X	X	X	X

AO 4/15/21

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
4.1°C, 4.3°C IR-9
2.4°C, 2.8°C
Container PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature) Fedex: #9509 0064 1375 #9509 0064 1397 #9509 0064 1386 #9509 0064 1364	Date: 4/15/21	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date: 4-16-21	Time: 4-16-21 0937
Relinquished by: (Signature)	Received by: (Signature)	Date: 4-17-21	Time: 921

Version 2Apr21

CUSTODY SEALS: 1503905, 1503904, 1503906, 1503907, 1503908, 1503909, 1503910, 1503911

Page 60 of 62

4/30/2021

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-202162-1

Login Number: 202162
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	4.3°C 4.1°C IR-9 2.8°C 2.4°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.	False	Refer to Job Narrative for details.
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").	N/A	
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: 400-202162-1

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
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
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	P330-21-00056	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 – 2nd Quarter 2021 Data Review

Laboratory SDG: 400-202162-2

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 6/8/2021

Guidance: USEPA National Functional Guidelines for Organic Superfund Methods Data Review 2020

Sample Identification
MW22-ROX-041521

1.0 Data Package Completeness

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

No; although the COC requested analysis for Method 8270 SVOC and Method 8270_LL PAH analysis, sample MW22-ROX-041521 was inadvertently not analyzed for inclusion in SDG 400-202162-1. See SDG 400-202162-1 for sample MW22-ROX-041521 Method 8260 VOC and Method 8011 VOC analysis.

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 SVOCs and PAHs were extracted outside extraction time criteria in sample MW22-ROX-041521. Several SVOC LCS/LCSD recoveries, and/or LCS/LCSD RPDs, were outside evaluation criteria. Several SVOC/PAH surrogates were outside criteria in sample MW22-ROX-041521 and several quality control samples. 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, PAHs and SVOCs were extracted 15 days outside analysis extraction time criteria (7 days) in sample MW22-ROX-041521 due to the laboratory inadvertently not initially analyzing Method 8270 SVOC and Method 8270_LL PAH. Professional judgement was used to qualify as estimated, however, not reject the out of holding time data; data requiring qualification is summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW22-ROX-041521	PAHs	All non-detects	**UJ**
MW22-ROX-041521	PAHs	1-Methylnaphthalene	**J**
MW22-ROX-041521	PAHs	2-Methylnaphthalene	**J**
MW22-ROX-041521	SVOCs	All non-detects	**UJ**
MW22-ROX-041521	SVOCs	Diethyl phthalate	**J**

Sample ID	Parameter	Analyte	Qualification
MW22-ROX-041521	SVOCs	2,4-Dimethylphenol	**J**
MW22-ROX-041521	SVOCs	Indene	**J**

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/LCSD 400-530803/2-A/3-A	SVOCs	Benzoic acid	23/**7**	**107**	10-144/30
LCS/LCSD 400-530803/2-A/3-A	SVOCs	2-Chlorophenol	54/**17**	**103**	40-120/30
LCS/LCSD 400-530803/2-A/3-A	SVOCs	2,4-Dichlorophenol	68/**38**	**56**	49-120/30
LCS/LCSD 400-530803/2-A/3-A	SVOCs	2-Nitrophenol	76/42	**58**	40-124/30
LCS/LCSD 400-530803/2-A/3-A	SVOCs	Phenol	64/33	**63**	11-120/30
LCS/LCSD 400-530803/4-A/5-A	SVOCs	Benzenethiol	**3**/32	**167**	10-120/30

SVOCs were qualified in Section 3.0 of this data review due to holding time criteria. No additional qualification of SVOCs were required.

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW22-ROX-041521	PAHs	Terphenyl-d_{14}	**155**	33-138
LCSD 400-530803/3-A	SVOCs	2-Fluorophenol	**4**	13-113
MB 400-530803/1-A	PAHs	2-Fluorobiphenyl	**128**	15-122
MB 400-530803/1-A	PAHs	Terphenyl-d_{14}	**162**	33-138

SVOCs were qualified in Section 3.0 of this data review due to holding time criteria. No additional qualification of SVOCs were 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?

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

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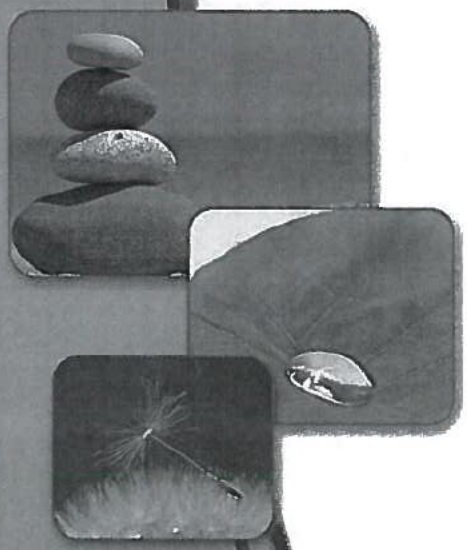
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



ANALYTICAL REPORT

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

Laboratory Job ID: 400-202162-2
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:
5/20/2021 6:01:59 PM

Leah Klingensmith, Senior Project Manager
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Reviewed 6/8/2021
MR

LINKS

Review your project results through TotalAccess

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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Job ID: 400-202162-2

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-202162-2

Comments
No additional comments.

Receipt
The samples were received on 4/16/2021 9:37 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.4° C, 2.8° C, 4.1° C and 4.3° C.

GC/MS Semi VOA
Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-530803 and analytical batch 400-531075 recovered outside control limits for the following analytes: 2-Chlorophenol, Phenol, Benzoic acid, 2,4-Dichlorophenol and 2-Nitrophenol.

Method 8270D: The laboratory control sample duplicate (LCSD) for preparation batch 400-530803 and analytical batch 400-531075 recovered outside control limits for the following analyte(s): Benzoic acid. Benzoic acid 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: 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: (LCSD 400-530803/3-A). These results have been reported and qualified.

Method 8270D: The following analyte(s) recovered outside control limits for the LCSD associated with preparation batch 400-530803 and analytical batch 400-531075: 2,4-Dichlorophenol and 2-Chlorophenol. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8270D: The following sample was activated outside of holding time: MW22-ROX-041521 (400-202162-9). Due to laboratory mistagging.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 400-530803 and analytical batch 400-531075 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D LL: Three 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: MW22-ROX-041521 (400-202162-9). These results have been reported and qualified.

Method 8270D LL: The following sample was activated outside of holding time: MW22-ROX-041521 (400-202162-9).

Method 8270D LL: Surrogate recovery for the following sample was outside the upper control limit: (MB 400-530803/1-A). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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.

Sample Summary

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

Job ID: 400-202162-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-202162-9	MW22-ROX-041521	Water	04/15/21 12:25	04/16/21 09:37	

Detection Summary

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

Job ID: 400-202162-2

Client Sample ID: MW22-ROX-041521

Lab Sample ID: 400-202162-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1-Methylnaphthalene	4.3	H	0.19	0.071	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	4.6	H	0.19	0.058	ug/L	1		8270D LL	Total/NA
Diethyl phthalate	0.61	J H	9.6	0.23	ug/L	1		8270D	Total/NA
2,4-Dimethylphenol	11	H	9.6	3.4	ug/L	1		8270D	Total/NA
Indene	1.6	J H	9.6	0.96	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: 400-202162-2

Client Sample ID: MW22-ROX-041521
Date Collected: 04/15/21 12:25
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-9
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	H	0.19	0.031	ug/L		05/07/21 16:40	05/10/21 20:26	1
Acenaphthylene	ND	H	0.19	0.043	ug/L		05/07/21 16:40	05/10/21 20:26	1
Anthracene	ND	H	0.19	0.031	ug/L		05/07/21 16:40	05/10/21 20:26	1
Benzo[a]anthracene	ND	H	0.19	0.044	ug/L		05/07/21 16:40	05/10/21 20:26	1
Benzo[a]pyrene	ND	H	0.19	0.040	ug/L		05/07/21 16:40	05/10/21 20:26	1
Benzo[b]fluoranthene	ND	H	0.19	0.033	ug/L		05/07/21 16:40	05/10/21 20:26	1
Benzo[g,h,i]perylene	ND	H	0.19	0.12	ug/L		05/07/21 16:40	05/10/21 20:26	1
Benzo[k]fluoranthene	ND	H	0.19	0.096	ug/L		05/07/21 16:40	05/10/21 20:26	1
Chrysene	ND	H	0.19	0.071	ug/L		05/07/21 16:40	05/10/21 20:26	1
Dibenz(a,h)anthracene	ND	H	0.19	0.048	ug/L		05/07/21 16:40	05/10/21 20:26	1
Fluoranthene	ND	H	0.19	0.065	ug/L		05/07/21 16:40	05/10/21 20:26	1
Fluorene	ND	H	0.19	0.11	ug/L		05/07/21 16:40	05/10/21 20:26	1
Indeno[1,2,3-cd]pyrene	ND	H	0.19	0.041	ug/L		05/07/21 16:40	05/10/21 20:26	1
1-Methylnaphthalene	**4.3**	**H**	0.19	0.071	ug/L		05/07/21 16:40	05/10/21 20:26	1
2-Methylnaphthalene	**4.6**	**H**	0.19	0.058	ug/L		05/07/21 16:40	05/10/21 20:26	1
Phenanthrene	ND	H	0.19	0.035	ug/L		05/07/21 16:40	05/10/21 20:26	1
Pyrene	ND	H	0.19	0.038	ug/L		05/07/21 16:40	05/10/21 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*115*		*15 - 122*	*05/07/21 16:40*	*05/10/21 20:26*	*1*
Nitrobenzene-d5	*80*		*19 - 130*	*05/07/21 16:40*	*05/10/21 20:26*	*1*
Terphenyl-d14	*155*	*S1+*	*33 - 138*	*05/07/21 16:40*	*05/10/21 20:26*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND	H	9.6	3.7	ug/L		05/07/21 16:40	05/10/21 17:42	1
Benzenethiol	ND	H *- *1	9.6	1.6	ug/L		05/07/21 16:40	05/10/21 17:42	1
Benzoic acid	ND	H *- *1	29	7.0	ug/L		05/07/21 16:40	05/10/21 17:42	1
Benzyl alcohol	ND	H	9.6	1.9	ug/L		05/07/21 16:40	05/10/21 17:42	1
Bis(2-chloroethoxy)methane	ND	H	9.6	0.15	ug/L		05/07/21 16:40	05/10/21 17:42	1
Bis(2-chloroethyl)ether	ND	H	9.6	2.6	ug/L		05/07/21 16:40	05/10/21 17:42	1
bis (2-chloroisopropyl) ether	ND	H	9.6	0.15	ug/L		05/07/21 16:40	05/10/21 17:42	1
Bis(2-ethylhexyl) phthalate	ND	H	9.6	4.8	ug/L		05/07/21 16:40	05/10/21 17:42	1
4-Bromophenyl phenyl ether	ND	H	9.6	0.19	ug/L		05/07/21 16:40	05/10/21 17:42	1
Butyl benzyl phthalate	ND	H	9.6	0.18	ug/L		05/07/21 16:40	05/10/21 17:42	1
4-Chloroaniline	ND	H	9.6	3.3	ug/L		05/07/21 16:40	05/10/21 17:42	1
4-Chloro-3-methylphenol	ND	H	9.6	3.7	ug/L		05/07/21 16:40	05/10/21 17:42	1
2-Chloronaphthalene	ND	H	9.6	0.13	ug/L		05/07/21 16:40	05/10/21 17:42	1
2-Chlorophenol	ND	H *- *1	9.6	2.1	ug/L		05/07/21 16:40	05/10/21 17:42	1
4-Chlorophenyl phenyl ether	ND	H	9.6	1.9	ug/L		05/07/21 16:40	05/10/21 17:42	1
Dibenz[a,h]acridine	ND	H	9.6	0.96	ug/L		05/07/21 16:40	05/10/21 17:42	1
Dibenzofuran	ND	H	9.6	0.16	ug/L		05/07/21 16:40	05/10/21 17:42	1
3,3'-Dichlorobenzidine	ND	H	9.6	2.5	ug/L		05/07/21 16:40	05/10/21 17:42	1
2,4-Dichlorophenol	ND	H *- *1	9.6	2.9	ug/L		05/07/21 16:40	05/10/21 17:42	1
Diethyl phthalate	**0.61**	**J H**	9.6	0.23	ug/L		05/07/21 16:40	05/10/21 17:42	1
2,4-Dimethylphenol	**11**	**H**	9.6	3.4	ug/L		05/07/21 16:40	05/10/21 17:42	1
Dimethyl phthalate	ND	H	9.6	0.16	ug/L		05/07/21 16:40	05/10/21 17:42	1
Di-n-butyl phthalate	ND	H	9.6	2.6	ug/L		05/07/21 16:40	05/10/21 17:42	1
4,6-Dinitro-ortho-cresol	ND	H	9.6	1.5	ug/L		05/07/21 16:40	05/10/21 17:42	1
2,4-Dinitrophenol	ND	H	29	3.3	ug/L		05/07/21 16:40	05/10/21 17:42	1

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

Job ID: 400-202162-2

Client Sample ID: MW22-ROX-041521
Date Collected: 04/15/21 12:25
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-9
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND	H	9.6	1.8	ug/L		05/07/21 16:40	05/10/21 17:42	1
2,6-Dinitrotoluene	ND	H	9.6	1.8	ug/L		05/07/21 16:40	05/10/21 17:42	1
Di-n-octyl phthalate	ND	H	9.6	0.16	ug/L		05/07/21 16:40	05/10/21 17:42	1
1,4-Dioxane	ND	H	9.6	0.96	ug/L		05/07/21 16:40	05/10/21 17:42	1
1,2-Diphenylhydrazine (as Azobenzene)	ND	H	9.6	0.96	ug/L		05/07/21 16:40	05/10/21 17:42	1
Hexachlorobenzene	ND	H	9.6	0.16	ug/L		05/07/21 16:40	05/10/21 17:42	1
Hexachlorocyclopentadiene	ND	H	19	2.5	ug/L		05/07/21 16:40	05/10/21 17:42	1
Hexachloroethane	ND	H	9.6	4.0	ug/L		05/07/21 16:40	05/10/21 17:42	1
Indene	1.6	J H	9.6	0.96	ug/L		05/07/21 16:40	05/10/21 17:42	1
Isophorone	ND	H	9.6	0.13	ug/L		05/07/21 16:40	05/10/21 17:42	1
2-Methylphenol	ND	H	9.6	1.7	ug/L		05/07/21 16:40	05/10/21 17:42	1
3 & 4 Methylphenol	ND	H	19	0.37	ug/L		05/07/21 16:40	05/10/21 17:42	1
2-Nitroaniline	ND	H	9.6	2.1	ug/L		05/07/21 16:40	05/10/21 17:42	1
3-Nitroaniline	ND	H	9.6	1.7	ug/L		05/07/21 16:40	05/10/21 17:42	1
4-Nitroaniline	ND	H	9.6	1.4	ug/L		05/07/21 16:40	05/10/21 17:42	1
Nitrobenzene	ND	H	9.6	0.12	ug/L		05/07/21 16:40	05/10/21 17:42	1
2-Nitrophenol	ND	H *1	9.6	5.0	ug/L		05/07/21 16:40	05/10/21 17:42	1
4-Nitrophenol	ND	H	9.6	2.0	ug/L		05/07/21 16:40	05/10/21 17:42	1
N-Nitrosodimethylamine	ND	H	9.6	3.4	ug/L		05/07/21 16:40	05/10/21 17:42	1
N-Nitrosodi-n-propylamine	ND	H	9.6	3.2	ug/L		05/07/21 16:40	05/10/21 17:42	1
N-Nitrosodiphenylamine	ND	H	9.6	0.17	ug/L		05/07/21 16:40	05/10/21 17:42	1
Pentachlorophenol	ND	H	19	1.3	ug/L		05/07/21 16:40	05/10/21 17:42	1
Phenol	ND	H *1	9.6	2.5	ug/L		05/07/21 16:40	05/10/21 17:42	1
Pyridine	ND	H	9.6	3.1	ug/L		05/07/21 16:40	05/10/21 17:42	1
Quinoline	ND	H	9.6	4.3	ug/L		05/07/21 16:40	05/10/21 17:42	1
2,4,5-Trichlorophenol	ND	H	9.6	3.6	ug/L		05/07/21 16:40	05/10/21 17:42	1
2,4,6-Trichlorophenol	ND	H	9.6	3.4	ug/L		05/07/21 16:40	05/10/21 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*53*		*46 - 124*	*05/07/21 16:40*	*05/10/21 17:42*	*1*
2-Fluorophenol	*42*		*13 - 113*	*05/07/21 16:40*	*05/10/21 17:42*	*1*
Nitrobenzene-d5	*48*		*36 - 126*	*05/07/21 16:40*	*05/10/21 17:42*	*1*
Phenol-d5	*51*		*17 - 127*	*05/07/21 16:40*	*05/10/21 17:42*	*1*
Terphenyl-d14	*64*		*44 - 149*	*05/07/21 16:40*	*05/10/21 17:42*	*1*
2,4,6-Tribromophenol	*66*		*26 - 150*	*05/07/21 16:40*	*05/10/21 17:42*	*1*

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
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.

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: 400-202162-2

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)
400-202162-9	MW22-ROX-041521	53	42	48	51	64	66
LCS 400-530803/2-A	Lab Control Sample	78	20	73	62	92	95
LCS 400-530803/4-A	Lab Control Sample	83	29	73	58	113	57
LCSD 400-530803/3-A	Lab Control Sample Dup	76	4 S1-	71	29	92	80
LCSD 400-530803/5-A	Lab Control Sample Dup	84	34	75	69	113	72
MB 400-530803/1-A	Method Blank	86	15	77	53	115	75

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)
400-202162-9	MW22-ROX-041521	115	80	155 S1+
LCS 400-530803/2-A	Lab Control Sample	87	52	83
LCSD 400-530803/3-A	Lab Control Sample Dup	85	50	87
MB 400-530803/1-A	Method Blank	128 S1+	79	162 S1+

Surrogate Legend

FBP = 2-Fluorobiphenyl
NBZ = Nitrobenzene-d5
TPHL = Terphenyl-d14

Method Summary

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

Job ID: 400-202162-2

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL PEN
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL PEN

Protocol References:

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: MW22-ROX-041521

Date Collected: 04/15/21 12:25
Date Received: 04/16/21 09:37

Lab Sample ID: 400-202162-9
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			260.2 mL	1 mL	530803	05/07/21 16:40	HMW	TAL PEN
Total/NA	Analysis	8270D		1			531075	05/10/21 17:42	S1B	TAL PEN
Total/NA	Prep	3520C			260.2 mL	1 mL	530803	05/07/21 16:40	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			531111	05/10/21 20:26	PP1	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-530803/1-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	530803	05/07/21 08:50	HMW	TAL PEN
Total/NA	Analysis	8270D		1			531075	05/10/21 15:56	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	530803	05/07/21 08:50	HMW	TAL PEN
Total/NA	Analysis	8270D LL		1			531111	05/10/21 19:39	PP1	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-530803/2-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	530803	05/07/21 08:50	HMW	TAL PEN
Total/NA	Analysis	8270D		1			531075	05/10/21 16:17	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	530803	05/07/21 08:50	HMW	TAL PEN
Total/NA	Analysis	8270D LL		5			531111	05/10/21 19:55	PP1	TAL PEN

Client Sample ID: Lab Control Sample

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-530803/4-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			250 mL	1 mL	530803	05/07/21 08:50	HMW	TAL PEN
Total/NA	Analysis	8270D		1			531075	05/10/21 16:59	S1B	TAL PEN

Client Sample ID: Lab Control Sample Dup

Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-530803/3-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	530803	05/07/21 08:50	HMW	TAL PEN
Total/NA	Analysis	8270D		1			531075	05/10/21 16:38	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	530803	05/07/21 08:50	HMW	TAL PEN
Total/NA	Analysis	8270D LL		5			531111	05/10/21 20:10	PP1	TAL PEN

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

Job ID: 400-202162-2

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-530803/5-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	530803	05/07/21 08:50	HMW	TAL PEN
Total/NA	Analysis	8270D		1			531075	05/10/21 17:21	S1B	TAL PEN

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

GC/MS Semi VOA

Prep Batch: 530803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202162-9	MW22-ROX-041521	Total/NA	Water	3520C	
MB 400-530803/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-530803/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-530803/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-530803/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-530803/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 531075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202162-9	MW22-ROX-041521	Total/NA	Water	8270D	530803
MB 400-530803/1-A	Method Blank	Total/NA	Water	8270D	530803
LCS 400-530803/2-A	Lab Control Sample	Total/NA	Water	8270D	530803
LCS 400-530803/4-A	Lab Control Sample	Total/NA	Water	8270D	530803
LCSD 400-530803/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	530803
LCSD 400-530803/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	530803

Analysis Batch: 531111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202162-9	MW22-ROX-041521	Total/NA	Water	8270D LL	530803
MB 400-530803/1-A	Method Blank	Total/NA	Water	8270D LL	530803
LCS 400-530803/2-A	Lab Control Sample	Total/NA	Water	8270D LL	530803
LCSD 400-530803/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	530803

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-530803/1-A
Matrix: Water
Analysis Batch: 531075

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 530803

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		05/07/21 08:50	05/10/21 15:56	1
Benzenethiol	ND		10	1.7	ug/L		05/07/21 08:50	05/10/21 15:56	1
Benzoic acid	ND		30	7.3	ug/L		05/07/21 08:50	05/10/21 15:56	1
Benzyl alcohol	ND		10	2.0	ug/L		05/07/21 08:50	05/10/21 15:56	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		05/07/21 08:50	05/10/21 15:56	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		05/07/21 08:50	05/10/21 15:56	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		05/07/21 08:50	05/10/21 15:56	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		05/07/21 08:50	05/10/21 15:56	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		05/07/21 08:50	05/10/21 15:56	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		05/07/21 08:50	05/10/21 15:56	1
4-Chloroaniline	ND		10	3.4	ug/L		05/07/21 08:50	05/10/21 15:56	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		05/07/21 08:50	05/10/21 15:56	1
2-Chloronaphthalene	ND		10	0.14	ug/L		05/07/21 08:50	05/10/21 15:56	1
2-Chlorophenol	ND		10	2.2	ug/L		05/07/21 08:50	05/10/21 15:56	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		05/07/21 08:50	05/10/21 15:56	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		05/07/21 08:50	05/10/21 15:56	1
Dibenzofuran	ND		10	0.17	ug/L		05/07/21 08:50	05/10/21 15:56	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		05/07/21 08:50	05/10/21 15:56	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		05/07/21 08:50	05/10/21 15:56	1
Diethyl phthalate	ND		10	0.24	ug/L		05/07/21 08:50	05/10/21 15:56	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		05/07/21 08:50	05/10/21 15:56	1
Dimethyl phthalate	ND		10	0.17	ug/L		05/07/21 08:50	05/10/21 15:56	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		05/07/21 08:50	05/10/21 15:56	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		05/07/21 08:50	05/10/21 15:56	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		05/07/21 08:50	05/10/21 15:56	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		05/07/21 08:50	05/10/21 15:56	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		05/07/21 08:50	05/10/21 15:56	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		05/07/21 08:50	05/10/21 15:56	1
1,4-Dioxane	ND		10	1.0	ug/L		05/07/21 08:50	05/10/21 15:56	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		05/07/21 08:50	05/10/21 15:56	1
Hexachlorobenzene	ND		10	0.17	ug/L		05/07/21 08:50	05/10/21 15:56	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		05/07/21 08:50	05/10/21 15:56	1
Hexachloroethane	ND		10	4.2	ug/L		05/07/21 08:50	05/10/21 15:56	1
Indene	ND		10	1.0	ug/L		05/07/21 08:50	05/10/21 15:56	1
Isophorone	ND		10	0.14	ug/L		05/07/21 08:50	05/10/21 15:56	1
2-Methylphenol	ND		10	1.8	ug/L		05/07/21 08:50	05/10/21 15:56	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		05/07/21 08:50	05/10/21 15:56	1
2-Nitroaniline	ND		10	2.2	ug/L		05/07/21 08:50	05/10/21 15:56	1
3-Nitroaniline	ND		10	1.8	ug/L		05/07/21 08:50	05/10/21 15:56	1
4-Nitroaniline	ND		10	1.5	ug/L		05/07/21 08:50	05/10/21 15:56	1
Nitrobenzene	ND		10	0.13	ug/L		05/07/21 08:50	05/10/21 15:56	1
2-Nitrophenol	ND		10	5.2	ug/L		05/07/21 08:50	05/10/21 15:56	1
4-Nitrophenol	ND		10	2.1	ug/L		05/07/21 08:50	05/10/21 15:56	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		05/07/21 08:50	05/10/21 15:56	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		05/07/21 08:50	05/10/21 15:56	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		05/07/21 08:50	05/10/21 15:56	1
Pentachlorophenol	ND		20	1.4	ug/L		05/07/21 08:50	05/10/21 15:56	1
Phenol	ND		10	2.6	ug/L		05/07/21 08:50	05/10/21 15:56	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-530803/1-A
Matrix: Water
Analysis Batch: 531075

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 530803

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyridine	ND		10	3.2	ug/L		05/07/21 08:50	05/10/21 15:56	1
Quinoline	ND		10	4.5	ug/L		05/07/21 08:50	05/10/21 15:56	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		05/07/21 08:50	05/10/21 15:56	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		05/07/21 08:50	05/10/21 15:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*46 - 124*	*05/07/21 08:50*	*05/10/21 15:56*	*1*
2-Fluorophenol	*15*		*13 - 113*	*05/07/21 08:50*	*05/10/21 15:56*	*1*
Nitrobenzene-d5	*77*		*36 - 126*	*05/07/21 08:50*	*05/10/21 15:56*	*1*
Phenol-d5	*53*		*17 - 127*	*05/07/21 08:50*	*05/10/21 15:56*	*1*
Terphenyl-d14	*115*		*44 - 149*	*05/07/21 08:50*	*05/10/21 15:56*	*1*
2,4,6-Tribromophenol	*75*		*26 - 150*	*05/07/21 08:50*	*05/10/21 15:56*	*1*

Lab Sample ID: LCS 400-530803/2-A
Matrix: Water
Analysis Batch: 531075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 530803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	78.3		ug/L		65	21 - 120
Benzoic acid	502	117		ug/L		23	10 - 144
Benzyl alcohol	120	88.2		ug/L		74	28 - 120
Bis(2-chloroethoxy)methane	120	74.2		ug/L		62	47 - 120
Bis(2-chloroethyl)ether	120	82.3		ug/L		69	44 - 120
bis (2-chloroisopropyl) ether	120	75.7		ug/L		63	33 - 121
Bis(2-ethylhexyl) phthalate	120	115		ug/L		95	52 - 147
4-Bromophenyl phenyl ether	120	103		ug/L		86	54 - 122
Butyl benzyl phthalate	120	109		ug/L		91	54 - 133
4-Chloroaniline	120	76.0		ug/L		63	26 - 120
4-Chloro-3-methylphenol	120	95.3		ug/L		79	48 - 131
2-Chloronaphthalene	120	89.1		ug/L		74	52 - 121
2-Chlorophenol	120	65.3		ug/L		54	40 - 120
4-Chlorophenyl phenyl ether	120	95.4		ug/L		80	56 - 125
Dibenz[a,h]acridine	120	104		ug/L		86	31 - 150
Dibenzofuran	120	94.3		ug/L		79	56 - 122
3,3'-Dichlorobenzidine	160	168		ug/L		105	36 - 132
2,4-Dichlorophenol	120	81.9		ug/L		68	49 - 120
Diethyl phthalate	120	111		ug/L		93	50 - 137
2,4-Dimethylphenol	120	89.2		ug/L		74	48 - 120
Dimethyl phthalate	120	98.0		ug/L		82	57 - 124
Di-n-butyl phthalate	120	117		ug/L		98	58 - 126
4,6-Dinitro-ortho-cresol	240	235		ug/L		98	23 - 148
2,4-Dinitrophenol	240	244		ug/L		102	10 - 150
2,4-Dinitrotoluene	120	102		ug/L		85	54 - 142
2,6-Dinitrotoluene	120	97.1		ug/L		81	55 - 130
Di-n-octyl phthalate	120	121		ug/L		101	57 - 138
1,4-Dioxane	120	63.2		ug/L		53	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	85.8		ug/L		72	45 - 124
Hexachlorobenzene	120	113		ug/L		94	52 - 129

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-530803/2-A
Matrix: Water
Analysis Batch: 531075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 530803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorocyclopentadiene	120	72.0		ug/L		60	10 - 134
Hexachloroethane	120	88.8		ug/L		74	20 - 120
Indene	120	93.6		ug/L		78	49 - 120
Isophorone	120	75.2		ug/L		63	48 - 120
2-Methylphenol	120	97.7		ug/L		81	46 - 124
3 & 4 Methylphenol	120	91.2		ug/L		76	45 - 120
2-Nitroaniline	120	87.4		ug/L		73	51 - 145
3-Nitroaniline	120	76.6		ug/L		64	37 - 127
4-Nitroaniline	120	73.1		ug/L		61	36 - 137
Nitrobenzene	120	72.7		ug/L		61	45 - 120
2-Nitrophenol	120	90.6		ug/L		76	40 - 124
4-Nitrophenol	240	198		ug/L		83	23 - 146
N-Nitrosodimethylamine	120	85.0		ug/L		71	29 - 137
N-Nitrosodi-n-propylamine	120	92.5		ug/L		77	45 - 120
N-Nitrosodiphenylamine	119	95.8		ug/L		81	54 - 120
Pentachlorophenol	240	193		ug/L		80	31 - 130
Phenol	120	76.5		ug/L		64	11 - 120
Pyridine	240	110		ug/L		46	16 - 120
Quinoline	120	90.3		ug/L		75	49 - 130
2,4,5-Trichlorophenol	120	92.9		ug/L		77	51 - 136
2,4,6-Trichlorophenol	120	90.2		ug/L		75	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*46 - 124*
2-Fluorophenol	*20*		*13 - 113*
Nitrobenzene-d5	*73*		*36 - 126*
Phenol-d5	*62*		*17 - 127*
Terphenyl-d14	*92*		*44 - 149*
2,4,6-Tribromophenol	*95*		*26 - 150*

Lab Sample ID: LCS 400-530803/4-A
Matrix: Water
Analysis Batch: 531075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 530803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	3.42	J *-	ug/L		3	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*83*		*46 - 124*
2-Fluorophenol	*29*		*13 - 113*
Nitrobenzene-d5	*73*		*36 - 126*
Phenol-d5	*58*		*17 - 127*
Terphenyl-d14	*113*		*44 - 149*
2,4,6-Tribromophenol	*57*		*26 - 150*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-530803/3-A
Matrix: Water
Analysis Batch: 531075

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 530803

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	120	84.8		ug/L		71	21 - 120	8	30
Benzoic acid	502	35.3	*- *1	ug/L		7	10 - 144	107	30
Benzyl alcohol	120	89.1		ug/L		74	28 - 120	1	30
Bis(2-chloroethoxy)methane	120	76.8		ug/L		64	47 - 120	3	30
Bis(2-chloroethyl)ether	120	75.6		ug/L		63	44 - 120	8	30
bis (2-chloroisopropyl) ether	120	75.4		ug/L		63	33 - 121	0	30
Bis(2-ethylhexyl) phthalate	120	118		ug/L		99	52 - 147	3	30
4-Bromophenyl phenyl ether	120	109		ug/L		91	54 - 122	5	30
Butyl benzyl phthalate	120	112		ug/L		93	54 - 133	2	30
4-Chloroaniline	120	79.3		ug/L		66	26 - 120	4	30
4-Chloro-3-methylphenol	120	80.5		ug/L		67	48 - 131	17	30
2-Chloronaphthalene	120	90.1		ug/L		75	52 - 121	1	30
2-Chlorophenol	120	20.9	*- *1	ug/L		17	40 - 120	103	30
4-Chlorophenyl phenyl ether	120	98.0		ug/L		82	56 - 125	3	30
Dibenz[a,h]acridine	120	106		ug/L		88	31 - 150	2	30
Dibenzofuran	120	95.4		ug/L		80	56 - 122	1	30
3,3'-Dichlorobenzidine	160	174		ug/L		109	36 - 132	4	30
2,4-Dichlorophenol	120	46.1	*- *1	ug/L		38	49 - 120	56	30
Diethyl phthalate	120	112		ug/L		93	50 - 137	0	30
2,4-Dimethylphenol	120	85.6		ug/L		71	48 - 120	4	30
Dimethyl phthalate	120	101		ug/L		84	57 - 124	3	30
Di-n-butyl phthalate	120	121		ug/L		101	58 - 126	3	30
4,6-Dinitro-ortho-cresol	240	220		ug/L		91	23 - 148	7	30
2,4-Dinitrophenol	240	216		ug/L		90	10 - 150	12	30
2,4-Dinitrotoluene	120	104		ug/L		86	54 - 142	1	30
2,6-Dinitrotoluene	120	100		ug/L		83	55 - 130	3	30
Di-n-octyl phthalate	120	126		ug/L		105	57 - 138	4	30
1,4-Dioxane	120	59.5		ug/L		50	31 - 120	6	30
1,2-Diphenylhydrazine (as Azobenzene)	120	89.7		ug/L		75	45 - 124	4	30
Hexachlorobenzene	120	117		ug/L		97	52 - 129	4	30
Hexachlorocyclopentadiene	120	71.1		ug/L		59	10 - 134	1	30
Hexachloroethane	120	86.8		ug/L		72	20 - 120	2	30
Indene	120	95.7		ug/L		80	49 - 120	2	30
Isophorone	120	78.0		ug/L		65	48 - 120	4	30
2-Methylphenol	120	78.0		ug/L		65	46 - 124	22	30
3 & 4 Methylphenol	120	68.6		ug/L		57	45 - 120	28	30
2-Nitroaniline	120	91.4		ug/L		76	51 - 145	4	30
3-Nitroaniline	120	80.3		ug/L		67	37 - 127	5	30
4-Nitroaniline	120	77.2		ug/L		64	36 - 137	5	30
Nitrobenzene	120	73.1		ug/L		61	45 - 120	1	30
2-Nitrophenol	120	50.1	*1	ug/L		42	40 - 124	58	30
4-Nitrophenol	240	175		ug/L		73	23 - 146	12	30
N-Nitrosodimethylamine	120	80.3		ug/L		67	29 - 137	6	30
N-Nitrosodi-n-propylamine	120	95.3		ug/L		79	45 - 120	3	30
N-Nitrosodiphenylamine	119	102		ug/L		85	54 - 120	6	30
Pentachlorophenol	240	179		ug/L		75	31 - 130	7	30
Phenol	120	40.0	*1	ug/L		33	11 - 120	63	30
Pyridine	240	108		ug/L		45	16 - 120	2	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-530803/3-A
Matrix: Water
Analysis Batch: 531075

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 530803

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Quinoline			120	93.8		ug/L		78	49 - 130	4	30
2,4,5-Trichlorophenol			120	70.5		ug/L		59	51 - 136	27	30
2,4,6-Trichlorophenol			120	71.5		ug/L		60	50 - 127	23	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*46 - 124*
2-Fluorophenol	*4*	*S1-*	*13 - 113*
Nitrobenzene-d5	*71*		*36 - 126*
Phenol-d5	*29*		*17 - 127*
Terphenyl-d14	*92*		*44 - 149*
2,4,6-Tribromophenol	*80*		*26 - 150*

Lab Sample ID: LCSD 400-530803/5-A
Matrix: Water
Analysis Batch: 531075

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 530803

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol			120	38.4	*1	ug/L		32	10 - 120	167	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*84*		*46 - 124*
2-Fluorophenol	*34*		*13 - 113*
Nitrobenzene-d5	*75*		*36 - 126*
Phenol-d5	*69*		*17 - 127*
Terphenyl-d14	*113*		*44 - 149*
2,4,6-Tribromophenol	*72*		*26 - 150*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-530803/1-A
Matrix: Water
Analysis Batch: 531111

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 530803

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		05/07/21 08:50	05/10/21 19:39	1
Acenaphthylene	ND		0.20	0.045	ug/L		05/07/21 08:50	05/10/21 19:39	1
Anthracene	ND		0.20	0.032	ug/L		05/07/21 08:50	05/10/21 19:39	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		05/07/21 08:50	05/10/21 19:39	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		05/07/21 08:50	05/10/21 19:39	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		05/07/21 08:50	05/10/21 19:39	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		05/07/21 08:50	05/10/21 19:39	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		05/07/21 08:50	05/10/21 19:39	1
Chrysene	ND		0.20	0.074	ug/L		05/07/21 08:50	05/10/21 19:39	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		05/07/21 08:50	05/10/21 19:39	1
Fluoranthene	ND		0.20	0.068	ug/L		05/07/21 08:50	05/10/21 19:39	1
Fluorene	ND		0.20	0.11	ug/L		05/07/21 08:50	05/10/21 19:39	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		05/07/21 08:50	05/10/21 19:39	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		05/07/21 08:50	05/10/21 19:39	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 400-530803/1-A
Matrix: Water
Analysis Batch: 531111

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 530803

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.20	0.060	ug/L		05/07/21 08:50	05/10/21 19:39	1
Phenanthrene	ND		0.20	0.036	ug/L		05/07/21 08:50	05/10/21 19:39	1
Pyrene	ND		0.20	0.040	ug/L		05/07/21 08:50	05/10/21 19:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*128*	*S1+*	*15 - 122*	*05/07/21 08:50*	*05/10/21 19:39*	*1*
Nitrobenzene-d5	*79*		*19 - 130*	*05/07/21 08:50*	*05/10/21 19:39*	*1*
Terphenyl-d14	*162*	*S1+*	*33 - 138*	*05/07/21 08:50*	*05/10/21 19:39*	*1*

Lab Sample ID: LCS 400-530803/2-A
Matrix: Water
Analysis Batch: 531111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 530803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	118		ug/L		98	41 - 120
Acenaphthylene	120	109		ug/L		91	44 - 120
Anthracene	120	116		ug/L		97	49 - 120
Benzo[a]anthracene	120	102		ug/L		85	61 - 135
Benzo[a]pyrene	120	112		ug/L		93	52 - 120
Benzo[b]fluoranthene	120	104		ug/L		86	53 - 134
Benzo[g,h,i]perylene	120	108		ug/L		90	47 - 133
Benzo[k]fluoranthene	120	105		ug/L		87	57 - 134
Chrysene	120	94.0		ug/L		78	55 - 122
Dibenz(a,h)anthracene	120	110		ug/L		92	48 - 146
Fluoranthene	120	125		ug/L		104	54 - 128
Fluorene	120	134		ug/L		112	45 - 125
Indeno[1,2,3-cd]pyrene	120	114		ug/L		95	43 - 142
1-Methylnaphthalene	120	71.7		ug/L		60	41 - 120
2-Methylnaphthalene	120	79.3		ug/L		66	32 - 124
Phenanthrene	120	114		ug/L		95	48 - 120
Pyrene	120	97.4		ug/L		81	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*87*		*15 - 122*
Nitrobenzene-d5	*52*		*19 - 130*
Terphenyl-d14	*83*		*33 - 138*

Lab Sample ID: LCSD 400-530803/3-A
Matrix: Water
Analysis Batch: 531111

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 530803

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	120	120		ug/L		100	41 - 120	2	56
Acenaphthylene	120	114		ug/L		95	44 - 120	4	56
Anthracene	120	121		ug/L		101	49 - 120	4	51
Benzo[a]anthracene	120	108		ug/L		90	61 - 135	5	49
Benzo[a]pyrene	120	121		ug/L		101	52 - 120	7	50
Benzo[b]fluoranthene	120	110		ug/L		91	53 - 134	6	54

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCSD 400-530803/3-A
Matrix: Water
Analysis Batch: 531111

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 530803

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[g,h,i]perylene	120	110		ug/L		92	47 - 133	2	50
Benzo[k]fluoranthene	120	110		ug/L		92	57 - 134	5	52
Chrysene	120	99.5		ug/L		83	55 - 122	6	50
Dibenz(a,h)anthracene	120	119		ug/L		100	48 - 146	8	50
Fluoranthene	120	131		ug/L		110	54 - 128	5	52
Fluorene	120	136		ug/L		114	45 - 125	1	56
Indeno[1,2,3-cd]pyrene	120	118		ug/L		98	43 - 142	4	51
1-Methylnaphthalene	120	75.5		ug/L		63	41 - 120	5	55
2-Methylnaphthalene	120	83.2		ug/L		69	32 - 124	5	57
Phenanthrene	120	118		ug/L		99	48 - 120	4	56
Pyrene	120	105		ug/L		88	48 - 132	8	52

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*85*		*15 - 122*
Nitrobenzene-d5	*50*		*19 - 130*
Terphenyl-d14	*87*		*33 - 138*

LAB (LOCATION)

☐ ACCUTEST (_____)
☐ CALSCIENCE (_____)
☑ TESTAMERICA (TestAmerica Pensacola; 3355 McLemore Dr. Pensacola, FL 32514 (850-474-1001))
☐ Other (_____)

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	☐ CHECK IF NO INCIDENT # APPLIES
Bob Mooshegian	25278	DATE: 4/15/21
PO #	GSAP Project ID	PAGE: 1 of 1
60648474 – 3.2.2F	USPC/00114/R/02	

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 – 3.2.2F
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): Aaron Oliver, Tony Jones
LAB USE ONLY
400-202162 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
60648474 – 3.2.2F

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270LL
	TB-ROX-041521-8260	4/15/21	00:00	Water	2					2	X			
	TB-ROX-041521-8011		00:00		2					2		X		
	ROST4PZG-ROX-041521		0915		6			2		8	X	X	X	X
	ROST4PZG-ROX-041521-DUP		0915		6			2		8	X	X	X	X
	MW2-ROX-041521		1015		6			2		8	X	X	X	X
	MW2-ROX-041521-DUP		1015		6			2		8	X	X	X	X
	~~ROST4PZC-041521-EB~~													
	ROST4PZC-ROX-041521-EB		1050		6			2		8	X	X	X	X
	ROST4PZC-ROX-041521		1140		6			2		8	X	X	X	X
	MW22-ROX-041521		1225		6			2		8	X	X	X	X

AE 4/15/21

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
4.1°C, 4.3°C IR-9
2.4°C, 2.8°C
Container PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
	Fedex: #9509 0064 1375 #9509 0064 1397 #9509 0064 1386 #9509 0064 1364	4/15/21	1600
		4/6-21	4/6/21 0937
		4.17.21	921

CUSTODY SEALS: 1503905, 1503904, 1503906, 1503907, 1503908, 1503909, 1503910, 1503911

Version 2Apr21

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5/20/2021

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-202162-2

Login Number: 202162
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	4.3°C 4.1°C IR-9 2.8°C 2.4°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.	False	Refer to Job Narrative for details.
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").	N/A	
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: 400-202162-2

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
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
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	P330-21-00056	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 – 2nd Quarter 2021 Data Review

Laboratory SDG: 400-202242-1-Rev. 1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 6/8/2021

Guidance: USEPA National Functional Guidelines for Organic Superfund Methods Data Review 2020

Sample Identification	Sample Identification
TB-ROX-041621-8260	TB-ROX-041621-8011
MW28-ROX-041621	MW28-ROX-041621-Dup
ROST4PZE-ROX-041621	

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 the LCS/LCSD recoveries and LCS/LCSD RPD for benzenethiol were outside evaluation criteria. Several SVOC/PAH surrogates were outside criteria in several investigative and quality control samples. Sample ROST4PZE-ROX-041621 was diluted to bring VOCs into calibration range of the instrument. These issues are addressed further in the appropriate sections of this data review. The laboratory report was revised on May 3, 2021 to correct the benzoic acid detection for MW28-ROX-041621; no qualification of data was required.

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/LCSD 400-528836/4-A/5-A	SVOCs	Benzenethiol	**2/1**	**35**	10-120/30

Analytical data that required qualification based on LCS/LCSD data are included in the table below. Professional judgment was used to qualify, however not reject, data associated with benzenethiol in LCS/LCSD 400-528836/4-A/5-A; benzenethiol has been identified as a poor performing analyte under Method 8270.

Sample ID	Parameter	Analyte	Qualification
MW28-ROX-041621	SVOCs	Benzenethiol	**UJ**
MW28-ROX-041621-Dup	SVOCs	Benzenethiol	**UJ**
ROST4PZE-ROX-041621	SVOCs	Benzenethiol	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW28-ROX-041621	PAHs	Nitrobenzene-d_5	**0.7**	19-130
MW28-ROX-041621-Dup	PAHs	Nitrobenzene-d_5	**0.9**	19-130
MB 400-528836/1-A	SVOCs	2-Fluorophenol	**10**	13-113
LCS 400-528836/4-A	SVOCs	2,4,6-Tribromophenol	**18**	26-150
LCSD 400-528836/3-A	PAHs	Nitrobenzene-d_5	**134**	19-130

Qualifications due to surrogate recoveries were not required if only one of three base neutral PAH surrogate recoveries were outside evaluation criteria. Method blanks and LCS/LCSDs are quality control samples and do not require qualification; not 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
MW28-ROX-041621	MW28-ROX-041621-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: 400-202242-1
Client Project/Site: ROXANA QUARTERLY GW
Revision: 1

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

Attn: Elizabeth Kunkel

Authorized for release by:
5/3/2021 4:51:09 PM

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

LINKS
Review your project results through TotalAccess
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

Reviewed 6/8/202
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: 400-202242-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-202242-1

Comments
Revised Report
Report revised to correct the benzoic acid detection for MW28-ROX-041621 (400-202242-3).
Supercedes report dated 5-3-2021 @ 11:00.

Receipt
The samples were received on 4/17/2021 9:21 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.2° C and 1.5° C.

GC/MS VOA
Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: ROST4PZE-ROX-041621 (400-202242-5). 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/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-528836 and analytical batch 400-529206 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 400-528836 and analytical batch 400-529206 recovered outside control limits for the following analytes: Benzenethiol.

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: (LCS 400-528836/4-A) and (MB 400-528836/1-A). These results have been reported and qualified.

Method 8270D LL: Three 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: MW28-ROX-041621 (400-202242-3), MW28-ROX-041621-DUP (400-202242-4) and (LCSD 400-528836/3-A). These results have been reported and qualified.

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 400-529101 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 400-528939 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 400-528939 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane and Ethylene Dibromide. 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.

Job ID: 400-202242-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

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: 400-202242-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-202242-1	TB-ROX-041621-8260	Water	04/16/21 00:00	04/17/21 09:21	
400-202242-2	TB-ROX-041621-8011	Water	04/16/21 00:00	04/17/21 09:21	
400-202242-3	MW28-ROX-041621	Water	04/16/21 09:15	04/17/21 09:21	
400-202242-4	MW28-ROX-041621-DUP	Water	04/16/21 09:15	04/17/21 09:21	
400-202242-5	ROST4PZE-ROX-041621	Water	04/16/21 10:15	04/17/21 09:21	

Detection Summary

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

Job ID: 400-202242-1

Client Sample ID: TB-ROX-041621-8260 — Lab Sample ID: 400-202242-1

No Detections.

Client Sample ID: TB-ROX-041621-8011 — Lab Sample ID: 400-202242-2

No Detections.

Client Sample ID: MW28-ROX-041621 — Lab Sample ID: 400-202242-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.0		1.0	0.38	ug/L	1		8260B	Total/NA
Isopropylbenzene	2.5		1.0	0.53	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	69		1.0	0.74	ug/L	1		8260B	Total/NA
sec-Butylbenzene	2.2		1.0	0.70	ug/L	1		8260B	Total/NA
Benzo[b]fluoranthene	0.047	J	0.19	0.033	ug/L	1		8270D LL	Total/NA
Pyrene	0.054	J	0.19	0.039	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW28-ROX-041621-DUP — Lab Sample ID: 400-202242-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.0		1.0	0.38	ug/L	1		8260B	Total/NA
Isopropylbenzene	1.4		1.0	0.53	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	74		1.0	0.74	ug/L	1		8260B	Total/NA
sec-Butylbenzene	1.3		1.0	0.70	ug/L	1		8260B	Total/NA
Diethyl phthalate	0.66	J	9.6	0.23	ug/L	1		8270D	Total/NA

Client Sample ID: ROST4PZE-ROX-041621 — Lab Sample ID: 400-202242-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	58		5.0	1.9	ug/L	5		8260B	Total/NA
Ethylbenzene	430		5.0	2.5	ug/L	5		8260B	Total/NA
Isopropylbenzene	17		5.0	2.7	ug/L	5		8260B	Total/NA
m-Xylene & p-Xylene	510		25	8.0	ug/L	5		8260B	Total/NA
Naphthalene	130		5.0	5.0	ug/L	5		8260B	Total/NA
N-Propylbenzene	28		5.0	3.5	ug/L	5		8260B	Total/NA
o-Xylene	68		25	3.0	ug/L	5		8260B	Total/NA
Toluene	38		5.0	2.1	ug/L	5		8260B	Total/NA
1,2,4-Trimethylbenzene	200		5.0	4.1	ug/L	5		8260B	Total/NA
1,3,5-Trimethylbenzene	39		5.0	2.8	ug/L	5		8260B	Total/NA
Xylenes, Total	570		50	8.0	ug/L	5		8260B	Total/NA
Acenaphthene	2.7		0.19	0.030	ug/L	1		8270D LL	Total/NA
Acenaphthylene	0.36		0.19	0.043	ug/L	1		8270D LL	Total/NA
Anthracene	1.4		0.19	0.030	ug/L	1		8270D LL	Total/NA
Fluoranthene	0.21		0.19	0.065	ug/L	1		8270D LL	Total/NA
Fluorene	2.6		0.19	0.10	ug/L	1		8270D LL	Total/NA
1-Methylnaphthalene	64		0.19	0.071	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	70		0.19	0.057	ug/L	1		8270D LL	Total/NA
Phenanthrene	6.3		0.19	0.034	ug/L	1		8270D LL	Total/NA
Pyrene	0.48		0.19	0.038	ug/L	1		8270D LL	Total/NA
Dibenzofuran	1.5	J	9.5	0.16	ug/L	1		8270D	Total/NA
Diethyl phthalate	0.81	J	9.5	0.23	ug/L	1		8270D	Total/NA
2,4-Dimethylphenol	8.7	J	9.5	3.3	ug/L	1		8270D	Total/NA
Indene	3.3	J	9.5	0.95	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	2.4	J	19	0.37	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-041621-8260
Date Collected: 04/16/21 00:00
Date Received: 04/17/21 09:21

Lab Sample ID: 400-202242-1
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			04/30/21 17:14	1
Acrolein	ND		20	10	ug/L			04/30/21 17:14	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/21 17:14	1
Benzene	ND		1.0	0.38	ug/L			04/30/21 17:14	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/21 17:14	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/21 17:14	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/21 17:14	1
Bromoform	ND		5.0	0.71	ug/L			04/30/21 17:14	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/21 17:14	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/21 17:14	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/21 17:14	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/30/21 17:14	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/30/21 17:14	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/30/21 17:14	1
Chloroethane	ND		1.0	0.76	ug/L			04/30/21 17:14	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/21 17:14	1
Chloroform	ND		1.0	0.60	ug/L			04/30/21 17:14	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/30/21 17:14	1
Chloromethane	ND		1.0	0.83	ug/L			04/30/21 17:14	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/21 17:14	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/21 17:14	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/21 17:14	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/21 17:14	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/21 17:14	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/21 17:14	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/21 17:14	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/30/21 17:14	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/21 17:14	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/21 17:14	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/21 17:14	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/21 17:14	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/30/21 17:14	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/30/21 17:14	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/21 17:14	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/21 17:14	1
2-Hexanone	ND		25	3.1	ug/L			04/30/21 17:14	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/30/21 17:14	1
Methylene bromide	ND		5.0	0.59	ug/L			04/30/21 17:14	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/21 17:14	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/21 17:14	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/30/21 17:14	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/30/21 17:14	1
Naphthalene	ND		1.0	1.0	ug/L			04/30/21 17:14	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/21 17:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/30/21 17:14	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/21 17:14	1
o-Xylene	ND		5.0	0.60	ug/L			04/30/21 17:14	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/21 17:14	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/30/21 17:14	1

Client Sample ID: TB-ROX-041621-8260
Date Collected: 04/16/21 00:00
Date Received: 04/17/21 09:21

Lab Sample ID: 400-202242-1
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			04/30/21 17:14	1
Styrene	ND		1.0	1.0	ug/L			04/30/21 17:14	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/21 17:14	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/30/21 17:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/21 17:14	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/30/21 17:14	1
Toluene	ND		1.0	0.41	ug/L			04/30/21 17:14	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/21 17:14	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/21 17:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/30/21 17:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/21 17:14	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/30/21 17:14	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/30/21 17:14	1
Trichloroethene	ND		1.0	0.50	ug/L			04/30/21 17:14	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/30/21 17:14	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/21 17:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/30/21 17:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/30/21 17:14	1
Vinyl acetate	ND		25	2.0	ug/L			04/30/21 17:14	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/21 17:14	1
Xylenes, Total	ND		10	1.6	ug/L			04/30/21 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/30/21 17:14*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*04/30/21 17:14*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/30/21 17:14*	*1*

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

Job ID: 400-202242-1

Client Sample ID: TB-ROX-041621-8011
Date Collected: 04/16/21 00:00
Date Received: 04/17/21 09:21

Lab Sample ID: 400-202242-2
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		04/23/21 10:56	04/24/21 15:38	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/23/21 10:56	04/24/21 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*	*p*	*51 - 149*	*04/23/21 10:56*	*04/24/21 15:38*	*1*

Client Sample ID: MW28-ROX-041621
Date Collected: 04/16/21 09:15
Date Received: 04/17/21 09:21

Lab Sample ID: 400-202242-3
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			04/30/21 17:38	1
Acrolein	ND		20	10	ug/L			04/30/21 17:38	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/21 17:38	1
Benzene	**4.0**		1.0	0.38	ug/L			04/30/21 17:38	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/21 17:38	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/21 17:38	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/21 17:38	1
Bromoform	ND		5.0	0.71	ug/L			04/30/21 17:38	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/21 17:38	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/21 17:38	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/21 17:38	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/30/21 17:38	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/30/21 17:38	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/30/21 17:38	1
Chloroethane	ND		1.0	0.76	ug/L			04/30/21 17:38	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/21 17:38	1
Chloroform	ND		1.0	0.60	ug/L			04/30/21 17:38	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/30/21 17:38	1
Chloromethane	ND		1.0	0.83	ug/L			04/30/21 17:38	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/21 17:38	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/21 17:38	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/21 17:38	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/21 17:38	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/21 17:38	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/21 17:38	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/21 17:38	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/30/21 17:38	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/21 17:38	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/21 17:38	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/21 17:38	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/21 17:38	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/30/21 17:38	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/30/21 17:38	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/21 17:38	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/21 17:38	1
2-Hexanone	ND		25	3.1	ug/L			04/30/21 17:38	1
Isopropylbenzene	**2.5**		1.0	0.53	ug/L			04/30/21 17:38	1
Methylene bromide	ND		5.0	0.59	ug/L			04/30/21 17:38	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/21 17:38	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/21 17:38	1
Methyl tert-butyl ether	**69**		1.0	0.74	ug/L			04/30/21 17:38	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/30/21 17:38	1
Naphthalene	ND		1.0	1.0	ug/L			04/30/21 17:38	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/21 17:38	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/30/21 17:38	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/21 17:38	1
o-Xylene	ND		5.0	0.60	ug/L			04/30/21 17:38	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/21 17:38	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/30/21 17:38	1

Client Sample ID: MW28-ROX-041621
Date Collected: 04/16/21 09:15
Date Received: 04/17/21 09:21

Lab Sample ID: 400-202242-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	2.2		1.0	0.70	ug/L			04/30/21 17:38	1
Styrene	ND		1.0	1.0	ug/L			04/30/21 17:38	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/21 17:38	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/30/21 17:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/21 17:38	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/30/21 17:38	1
Toluene	ND		1.0	0.41	ug/L			04/30/21 17:38	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/21 17:38	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/21 17:38	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/30/21 17:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/21 17:38	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/30/21 17:38	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/30/21 17:38	1
Trichloroethene	ND		1.0	0.50	ug/L			04/30/21 17:38	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/30/21 17:38	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/21 17:38	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/30/21 17:38	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/30/21 17:38	1
Vinyl acetate	ND		25	2.0	ug/L			04/30/21 17:38	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/21 17:38	1
Xylenes, Total	ND		10	1.6	ug/L			04/30/21 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/30/21 17:38*	*1*
Dibromofluoromethane	*107*		*81 - 121*		*04/30/21 17:38*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*04/30/21 17:38*	*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		04/23/21 09:52	04/26/21 15:53	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/23/21 09:52	04/26/21 15:53	1
Anthracene	ND		0.19	0.031	ug/L		04/23/21 09:52	04/26/21 15:53	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		04/23/21 09:52	04/26/21 15:53	1
Benzo[a]pyrene	ND		0.19	0.041	ug/L		04/23/21 09:52	04/26/21 15:53	1
Benzo[b]fluoranthene	0.047	J	0.19	0.033	ug/L		04/23/21 09:52	04/26/21 15:53	1
Benzo[g,h,i]perylene	ND		0.19	0.13	ug/L		04/23/21 09:52	04/26/21 15:53	1
Benzo[k]fluoranthene	ND		0.19	0.097	ug/L		04/23/21 09:52	04/26/21 15:53	1
Chrysene	ND		0.19	0.071	ug/L		04/23/21 09:52	04/26/21 15:53	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		04/23/21 09:52	04/26/21 15:53	1
Fluoranthene	ND		0.19	0.066	ug/L		04/23/21 09:52	04/26/21 15:53	1
Fluorene	ND		0.19	0.11	ug/L		04/23/21 09:52	04/26/21 15:53	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.042	ug/L		04/23/21 09:52	04/26/21 15:53	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/23/21 09:52	04/26/21 15:53	1
2-Methylnaphthalene	ND		0.19	0.058	ug/L		04/23/21 09:52	04/26/21 15:53	1
Phenanthrene	ND		0.19	0.035	ug/L		04/23/21 09:52	04/26/21 15:53	1
Pyrene	0.054	J	0.19	0.039	ug/L		04/23/21 09:52	04/26/21 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*15 - 122*	*04/23/21 09:52*	*04/26/21 15:53*	*1*
Nitrobenzene-d5	*0.7*	*S1-*	*19 - 130*	*04/23/21 09:52*	*04/26/21 15:53*	*1*

Client Sample ID: MW28-ROX-041621
Date Collected: 04/16/21 09:15
Date Received: 04/17/21 09:21

Lab Sample ID: 400-202242-3
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	101		33 - 138	04/23/21 09:52	04/26/21 15:53	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		04/23/21 09:52	04/26/21 17:50	1
Benzenethiol	ND	*-*1 UJ	9.7	1.6	ug/L		04/23/21 09:52	04/26/21 17:50	1
Benzoic acid	ND		29	7.0	ug/L		04/23/21 09:52	04/26/21 17:50	1
Benzyl alcohol	ND		9.7	1.9	ug/L		04/23/21 09:52	04/26/21 17:50	1
Bis(2-chloroethoxy)methane	ND		9.7	0.15	ug/L		04/23/21 09:52	04/26/21 17:50	1
Bis(2-chloroethyl)ether	ND		9.7	2.6	ug/L		04/23/21 09:52	04/26/21 17:50	1
bis (2-chloroisopropyl) ether	ND		9.7	0.15	ug/L		04/23/21 09:52	04/26/21 17:50	1
Bis(2-ethylhexyl) phthalate	ND		9.7	4.8	ug/L		04/23/21 09:52	04/26/21 17:50	1
4-Bromophenyl phenyl ether	ND		9.7	0.19	ug/L		04/23/21 09:52	04/26/21 17:50	1
Butyl benzyl phthalate	ND		9.7	0.18	ug/L		04/23/21 09:52	04/26/21 17:50	1
4-Chloroaniline	ND		9.7	3.3	ug/L		04/23/21 09:52	04/26/21 17:50	1
4-Chloro-3-methylphenol	ND		9.7	3.7	ug/L		04/23/21 09:52	04/26/21 17:50	1
2-Chloronaphthalene	ND		9.7	0.14	ug/L		04/23/21 09:52	04/26/21 17:50	1
2-Chlorophenol	ND		9.7	2.1	ug/L		04/23/21 09:52	04/26/21 17:50	1
4-Chlorophenyl phenyl ether	ND		9.7	1.9	ug/L		04/23/21 09:52	04/26/21 17:50	1
Dibenz[a,h]acridine	ND		9.7	0.97	ug/L		04/23/21 09:52	04/26/21 17:50	1
Dibenzofuran	ND		9.7	0.16	ug/L		04/23/21 09:52	04/26/21 17:50	1
3,3'-Dichlorobenzidine	ND		9.7	2.5	ug/L		04/23/21 09:52	04/26/21 17:50	1
2,4-Dichlorophenol	ND		9.7	2.9	ug/L		04/23/21 09:52	04/26/21 17:50	1
Diethyl phthalate	ND		9.7	0.23	ug/L		04/23/21 09:52	04/26/21 17:50	1
2,4-Dimethylphenol	ND		9.7	3.4	ug/L		04/23/21 09:52	04/26/21 17:50	1
Dimethyl phthalate	ND		9.7	0.16	ug/L		04/23/21 09:52	04/26/21 17:50	1
Di-n-butyl phthalate	ND		9.7	2.6	ug/L		04/23/21 09:52	04/26/21 17:50	1
4,6-Dinitro-ortho-cresol	ND		9.7	1.5	ug/L		04/23/21 09:52	04/26/21 17:50	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/23/21 09:52	04/26/21 17:50	1
2,4-Dinitrotoluene	ND		9.7	1.8	ug/L		04/23/21 09:52	04/26/21 17:50	1
2,6-Dinitrotoluene	ND		9.7	1.8	ug/L		04/23/21 09:52	04/26/21 17:50	1
Di-n-octyl phthalate	ND		9.7	0.16	ug/L		04/23/21 09:52	04/26/21 17:50	1
1,4-Dioxane	ND		9.7	0.97	ug/L		04/23/21 09:52	04/26/21 17:50	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.7	0.97	ug/L		04/23/21 09:52	04/26/21 17:50	1
Hexachlorobenzene	ND		9.7	0.16	ug/L		04/23/21 09:52	04/26/21 17:50	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/23/21 09:52	04/26/21 17:50	1
Hexachloroethane	ND		9.7	4.1	ug/L		04/23/21 09:52	04/26/21 17:50	1
Indene	ND		9.7	0.97	ug/L		04/23/21 09:52	04/26/21 17:50	1
Isophorone	ND		9.7	0.14	ug/L		04/23/21 09:52	04/26/21 17:50	1
2-Methylphenol	ND		9.7	1.7	ug/L		04/23/21 09:52	04/26/21 17:50	1
3 & 4 Methylphenol	ND		19	0.38	ug/L		04/23/21 09:52	04/26/21 17:50	1
2-Nitroaniline	ND		9.7	2.1	ug/L		04/23/21 09:52	04/26/21 17:50	1
3-Nitroaniline	ND		9.7	1.7	ug/L		04/23/21 09:52	04/26/21 17:50	1
4-Nitroaniline	ND		9.7	1.4	ug/L		04/23/21 09:52	04/26/21 17:50	1
Nitrobenzene	ND		9.7	0.13	ug/L		04/23/21 09:52	04/26/21 17:50	1
2-Nitrophenol	ND		9.7	5.0	ug/L		04/23/21 09:52	04/26/21 17:50	1
4-Nitrophenol	ND		9.7	2.0	ug/L		04/23/21 09:52	04/26/21 17:50	1
N-Nitrosodimethylamine	ND		9.7	3.4	ug/L		04/23/21 09:52	04/26/21 17:50	1

Client Sample ID: MW28-ROX-041621
Date Collected: 04/16/21 09:15
Date Received: 04/17/21 09:21

Lab Sample ID: 400-202242-3
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		9.7	3.2	ug/L		04/23/21 09:52	04/26/21 17:50	1
N-Nitrosodiphenylamine	ND		9.7	0.17	ug/L		04/23/21 09:52	04/26/21 17:50	1
Pentachlorophenol	ND		19	1.4	ug/L		04/23/21 09:52	04/26/21 17:50	1
Phenol	ND		9.7	2.5	ug/L		04/23/21 09:52	04/26/21 17:50	1
Pyridine	ND		9.7	3.1	ug/L		04/23/21 09:52	04/26/21 17:50	1
Quinoline	ND		9.7	4.3	ug/L		04/23/21 09:52	04/26/21 17:50	1
2,4,5-Trichlorophenol	ND		9.7	3.6	ug/L		04/23/21 09:52	04/26/21 17:50	1
2,4,6-Trichlorophenol	ND		9.7	3.4	ug/L		04/23/21 09:52	04/26/21 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*46 - 124*	*04/23/21 09:52*	*04/26/21 17:50*	*1*
2-Fluorophenol	*16*		*13 - 113*	*04/23/21 09:52*	*04/26/21 17:50*	*1*
Nitrobenzene-d5	*55*		*36 - 126*	*04/23/21 09:52*	*04/26/21 17:50*	*1*
Phenol-d5	*43*		*17 - 127*	*04/23/21 09:52*	*04/26/21 17:50*	*1*
Terphenyl-d14	*75*		*44 - 149*	*04/23/21 09:52*	*04/26/21 17:50*	*1*
2,4,6-Tribromophenol	*60*		*26 - 150*	*04/23/21 09:52*	*04/26/21 17:50*	*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		04/23/21 10:56	04/24/21 15:59	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/23/21 10:56	04/24/21 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*51 - 149*	*04/23/21 10:56*	*04/24/21 15:59*	*1*

Client Sample ID: MW28-ROX-041621-DUP

Date Collected: 04/16/21 09:15
Date Received: 04/17/21 09:21

Lab Sample ID: 400-202242-4

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			04/30/21 18:01	1
Acrolein	ND		20	10	ug/L			04/30/21 18:01	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/21 18:01	1
Benzene	**4.0**		1.0	0.38	ug/L			04/30/21 18:01	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/21 18:01	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/21 18:01	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/21 18:01	1
Bromoform	ND		5.0	0.71	ug/L			04/30/21 18:01	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/21 18:01	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/21 18:01	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/21 18:01	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/30/21 18:01	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/30/21 18:01	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/30/21 18:01	1
Chloroethane	ND		1.0	0.76	ug/L			04/30/21 18:01	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/21 18:01	1
Chloroform	ND		1.0	0.60	ug/L			04/30/21 18:01	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/30/21 18:01	1
Chloromethane	ND		1.0	0.83	ug/L			04/30/21 18:01	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/21 18:01	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/21 18:01	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/21 18:01	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/21 18:01	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/21 18:01	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/21 18:01	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/21 18:01	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/30/21 18:01	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/21 18:01	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/21 18:01	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/21 18:01	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/21 18:01	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/30/21 18:01	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/30/21 18:01	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/21 18:01	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/21 18:01	1
2-Hexanone	ND		25	3.1	ug/L			04/30/21 18:01	1
Isopropylbenzene	**1.4**		1.0	0.53	ug/L			04/30/21 18:01	1
Methylene bromide	ND		5.0	0.59	ug/L			04/30/21 18:01	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/21 18:01	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/21 18:01	1
Methyl tert-butyl ether	**74**		1.0	0.74	ug/L			04/30/21 18:01	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/30/21 18:01	1
Naphthalene	ND		1.0	1.0	ug/L			04/30/21 18:01	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/21 18:01	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/30/21 18:01	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/21 18:01	1
o-Xylene	ND		5.0	0.60	ug/L			04/30/21 18:01	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/21 18:01	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			04/30/21 18:01	1

Client Sample ID: MW28-ROX-041621-DUP
Date Collected: 04/16/21 09:15
Date Received: 04/17/21 09:21

Lab Sample ID: 400-202242-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	1.3		1.0	0.70	ug/L			04/30/21 18:01	1
Styrene	ND		1.0	1.0	ug/L			04/30/21 18:01	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/21 18:01	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/30/21 18:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/21 18:01	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/30/21 18:01	1
Toluene	ND		1.0	0.41	ug/L			04/30/21 18:01	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/21 18:01	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/21 18:01	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/30/21 18:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/21 18:01	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/30/21 18:01	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/30/21 18:01	1
Trichloroethene	ND		1.0	0.50	ug/L			04/30/21 18:01	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/30/21 18:01	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/21 18:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/30/21 18:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/30/21 18:01	1
Vinyl acetate	ND		25	2.0	ug/L			04/30/21 18:01	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/21 18:01	1
Xylenes, Total	ND		10	1.6	ug/L			04/30/21 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*04/30/21 18:01*	*1*
Dibromofluoromethane	*107*		*81 - 121*		*04/30/21 18:01*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*04/30/21 18:01*	*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		0.19	0.031	ug/L		04/23/21 09:52	04/26/21 16:08	1
Acenaphthylene	ND		0.19	0.043	ug/L		04/23/21 09:52	04/26/21 16:08	1
Anthracene	ND		0.19	0.031	ug/L		04/23/21 09:52	04/26/21 16:08	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		04/23/21 09:52	04/26/21 16:08	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/23/21 09:52	04/26/21 16:08	1
Benzo[b]fluoranthene	ND		0.19	0.033	ug/L		04/23/21 09:52	04/26/21 16:08	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/23/21 09:52	04/26/21 16:08	1
Benzo[k]fluoranthene	ND		0.19	0.096	ug/L		04/23/21 09:52	04/26/21 16:08	1
Chrysene	ND		0.19	0.071	ug/L		04/23/21 09:52	04/26/21 16:08	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		04/23/21 09:52	04/26/21 16:08	1
Fluoranthene	ND		0.19	0.065	ug/L		04/23/21 09:52	04/26/21 16:08	1
Fluorene	ND		0.19	0.11	ug/L		04/23/21 09:52	04/26/21 16:08	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/23/21 09:52	04/26/21 16:08	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		04/23/21 09:52	04/26/21 16:08	1
2-Methylnaphthalene	ND		0.19	0.057	ug/L		04/23/21 09:52	04/26/21 16:08	1
Phenanthrene	ND		0.19	0.034	ug/L		04/23/21 09:52	04/26/21 16:08	1
Pyrene	ND		0.19	0.038	ug/L		04/23/21 09:52	04/26/21 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*86*		*15 - 122*	*04/23/21 09:52*	*04/26/21 16:08*	*1*
Nitrobenzene-d5	*0.9*	*S1-*	*19 - 130*	*04/23/21 09:52*	*04/26/21 16:08*	*1*

Client Sample ID: MW28-ROX-041621-DUP
Date Collected: 04/16/21 09:15
Date Received: 04/17/21 09:21

Lab Sample ID: 400-202242-4
Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*106*		*33 - 138*	*04/23/21 09:52*	*04/26/21 16:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		9.6	3.6	ug/L		04/23/21 09:52	04/26/21 18:11	1
Benzenethiol	ND	*- *1	9.6	1.6	ug/L		04/23/21 09:52	04/26/21 18:11	1
Benzoic acid	ND		29	7.0	ug/L		04/23/21 09:52	04/26/21 18:11	1
Benzyl alcohol	ND		9.6	1.9	ug/L		04/23/21 09:52	04/26/21 18:11	1
Bis(2-chloroethoxy)methane	ND		9.6	0.15	ug/L		04/23/21 09:52	04/26/21 18:11	1
Bis(2-chloroethyl)ether	ND		9.6	2.6	ug/L		04/23/21 09:52	04/26/21 18:11	1
bis (2-chloroisopropyl) ether	ND		9.6	0.15	ug/L		04/23/21 09:52	04/26/21 18:11	1
Bis(2-ethylhexyl) phthalate	ND		9.6	4.8	ug/L		04/23/21 09:52	04/26/21 18:11	1
4-Bromophenyl phenyl ether	ND		9.6	0.19	ug/L		04/23/21 09:52	04/26/21 18:11	1
Butyl benzyl phthalate	ND		9.6	0.18	ug/L		04/23/21 09:52	04/26/21 18:11	1
4-Chloroaniline	ND		9.6	3.3	ug/L		04/23/21 09:52	04/26/21 18:11	1
4-Chloro-3-methylphenol	ND		9.6	3.6	ug/L		04/23/21 09:52	04/26/21 18:11	1
2-Chloronaphthalene	ND		9.6	0.13	ug/L		04/23/21 09:52	04/26/21 18:11	1
2-Chlorophenol	ND		9.6	2.1	ug/L		04/23/21 09:52	04/26/21 18:11	1
4-Chlorophenyl phenyl ether	ND		9.6	1.9	ug/L		04/23/21 09:52	04/26/21 18:11	1
Dibenz[a,h]acridine	ND		9.6	0.96	ug/L		04/23/21 09:52	04/26/21 18:11	1
Dibenzofuran	ND		9.6	0.16	ug/L		04/23/21 09:52	04/26/21 18:11	1
3,3'-Dichlorobenzidine	ND		9.6	2.5	ug/L		04/23/21 09:52	04/26/21 18:11	1
2,4-Dichlorophenol	ND		9.6	2.9	ug/L		04/23/21 09:52	04/26/21 18:11	1
Diethyl phthalate	0.66	J	9.6	0.23	ug/L		04/23/21 09:52	04/26/21 18:11	1
2,4-Dimethylphenol	ND		9.6	3.3	ug/L		04/23/21 09:52	04/26/21 18:11	1
Dimethyl phthalate	ND		9.6	0.16	ug/L		04/23/21 09:52	04/26/21 18:11	1
Di-n-butyl phthalate	ND		9.6	2.6	ug/L		04/23/21 09:52	04/26/21 18:11	1
4,6-Dinitro-ortho-cresol	ND		9.6	1.5	ug/L		04/23/21 09:52	04/26/21 18:11	1
2,4-Dinitrophenol	ND		29	3.3	ug/L		04/23/21 09:52	04/26/21 18:11	1
2,4-Dinitrotoluene	ND		9.6	1.8	ug/L		04/23/21 09:52	04/26/21 18:11	1
2,6-Dinitrotoluene	ND		9.6	1.8	ug/L		04/23/21 09:52	04/26/21 18:11	1
Di-n-octyl phthalate	ND		9.6	0.16	ug/L		04/23/21 09:52	04/26/21 18:11	1
1,4-Dioxane	ND		9.6	0.96	ug/L		04/23/21 09:52	04/26/21 18:11	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.6	0.96	ug/L		04/23/21 09:52	04/26/21 18:11	1
Hexachlorobenzene	ND		9.6	0.16	ug/L		04/23/21 09:52	04/26/21 18:11	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/23/21 09:52	04/26/21 18:11	1
Hexachloroethane	ND		9.6	4.0	ug/L		04/23/21 09:52	04/26/21 18:11	1
Indene	ND		9.6	0.96	ug/L		04/23/21 09:52	04/26/21 18:11	1
Isophorone	ND		9.6	0.13	ug/L		04/23/21 09:52	04/26/21 18:11	1
2-Methylphenol	ND		9.6	1.7	ug/L		04/23/21 09:52	04/26/21 18:11	1
3 & 4 Methylphenol	ND		19	0.37	ug/L		04/23/21 09:52	04/26/21 18:11	1
2-Nitroaniline	ND		9.6	2.1	ug/L		04/23/21 09:52	04/26/21 18:11	1
3-Nitroaniline	ND		9.6	1.7	ug/L		04/23/21 09:52	04/26/21 18:11	1
4-Nitroaniline	ND		9.6	1.4	ug/L		04/23/21 09:52	04/26/21 18:11	1
Nitrobenzene	ND		9.6	0.12	ug/L		04/23/21 09:52	04/26/21 18:11	1
2-Nitrophenol	ND		9.6	5.0	ug/L		04/23/21 09:52	04/26/21 18:11	1
4-Nitrophenol	ND		9.6	2.0	ug/L		04/23/21 09:52	04/26/21 18:11	1
N-Nitrosodimethylamine	ND		9.6	3.3	ug/L		04/23/21 09:52	04/26/21 18:11	1

Client Sample ID: MW28-ROX-041621-DUP
Date Collected: 04/16/21 09:15
Date Received: 04/17/21 09:21

Lab Sample ID: 400-202242-4
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		9.6	3.2	ug/L		04/23/21 09:52	04/26/21 18:11	1
N-Nitrosodiphenylamine	ND		9.6	0.17	ug/L		04/23/21 09:52	04/26/21 18:11	1
Pentachlorophenol	ND		19	1.3	ug/L		04/23/21 09:52	04/26/21 18:11	1
Phenol	ND		9.6	2.5	ug/L		04/23/21 09:52	04/26/21 18:11	1
Pyridine	ND		9.6	3.1	ug/L		04/23/21 09:52	04/26/21 18:11	1
Quinoline	ND		9.6	4.3	ug/L		04/23/21 09:52	04/26/21 18:11	1
2,4,5-Trichlorophenol	ND		9.6	3.5	ug/L		04/23/21 09:52	04/26/21 18:11	1
2,4,6-Trichlorophenol	ND		9.6	3.3	ug/L		04/23/21 09:52	04/26/21 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*46 - 124*	*04/23/21 09:52*	*04/26/21 18:11*	*1*
2-Fluorophenol	*26*		*13 - 113*	*04/23/21 09:52*	*04/26/21 18:11*	*1*
Nitrobenzene-d5	*60*		*36 - 126*	*04/23/21 09:52*	*04/26/21 18:11*	*1*
Phenol-d5	*51*		*17 - 127*	*04/23/21 09:52*	*04/26/21 18:11*	*1*
Terphenyl-d14	*80*		*44 - 149*	*04/23/21 09:52*	*04/26/21 18:11*	*1*
2,4,6-Tribromophenol	*65*		*26 - 150*	*04/23/21 09:52*	*04/26/21 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	0.0055	ug/L		04/23/21 10:56	04/25/21 20:46	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/23/21 10:56	04/25/21 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*125*		*51 - 149*	*04/23/21 10:56*	*04/25/21 20:46*	*1*

Client Sample ID: ROST4PZE-ROX-041621
Date Collected: 04/16/21 10:15
Date Received: 04/17/21 09:21

Lab Sample ID: 400-202242-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		130	50	ug/L			04/30/21 15:06	5
Acrolein	ND		100	50	ug/L			04/30/21 15:06	5
Acrylonitrile	ND		50	14	ug/L			04/30/21 15:06	5
Benzene	**58**		5.0	1.9	ug/L			04/30/21 15:06	5
Bromobenzene	ND		5.0	2.7	ug/L			04/30/21 15:06	5
Bromochloromethane	ND		5.0	2.6	ug/L			04/30/21 15:06	5
Bromodichloromethane	ND		5.0	2.5	ug/L			04/30/21 15:06	5
Bromoform	ND		25	3.6	ug/L			04/30/21 15:06	5
Bromomethane	ND		5.0	4.9	ug/L			04/30/21 15:06	5
2-Butanone (MEK)	ND		130	13	ug/L			04/30/21 15:06	5
Carbon disulfide	ND		5.0	2.5	ug/L			04/30/21 15:06	5
Carbon tetrachloride	ND		5.0	2.5	ug/L			04/30/21 15:06	5
Chlorobenzene	ND		5.0	2.5	ug/L			04/30/21 15:06	5
Dibromochloromethane	ND		5.0	2.5	ug/L			04/30/21 15:06	5
Chloroethane	ND		5.0	3.8	ug/L			04/30/21 15:06	5
2-Chloroethyl vinyl ether	ND		25	10	ug/L			04/30/21 15:06	5
Chloroform	ND		5.0	3.0	ug/L			04/30/21 15:06	5
1-Chlorohexane	ND		5.0	3.5	ug/L			04/30/21 15:06	5
Chloromethane	ND		5.0	4.2	ug/L			04/30/21 15:06	5
cis-1,2-Dichloroethene	ND		5.0	2.5	ug/L			04/30/21 15:06	5
cis-1,3-Dichloropropene	ND		25	2.5	ug/L			04/30/21 15:06	5
1,2-Dichlorobenzene	ND		5.0	2.5	ug/L			04/30/21 15:06	5
1,3-Dichlorobenzene	ND		5.0	2.7	ug/L			04/30/21 15:06	5
1,4-Dichlorobenzene	ND		5.0	3.2	ug/L			04/30/21 15:06	5
Dichlorodifluoromethane	ND		5.0	4.3	ug/L			04/30/21 15:06	5
1,1-Dichloroethane	ND		5.0	2.5	ug/L			04/30/21 15:06	5
1,2-Dichloroethane	ND		5.0	2.5	ug/L			04/30/21 15:06	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			04/30/21 15:06	5
1,2-Dichloropropane	ND		5.0	2.5	ug/L			04/30/21 15:06	5
1,3-Dichloropropane	ND		5.0	2.5	ug/L			04/30/21 15:06	5
2,2-Dichloropropane	ND		5.0	2.5	ug/L			04/30/21 15:06	5
1,1-Dichloropropene	ND		5.0	2.5	ug/L			04/30/21 15:06	5
Ethylbenzene	**430**		5.0	2.5	ug/L			04/30/21 15:06	5
Ethyl methacrylate	ND		5.0	3.0	ug/L			04/30/21 15:06	5
Hexachlorobutadiene	ND		25	4.5	ug/L			04/30/21 15:06	5
2-Hexanone	ND		130	16	ug/L			04/30/21 15:06	5
Isopropylbenzene	**17**		5.0	2.7	ug/L			04/30/21 15:06	5
Methylene bromide	ND		25	3.0	ug/L			04/30/21 15:06	5
Methylene Chloride	ND		25	15	ug/L			04/30/21 15:06	5
4-Methyl-2-pentanone (MIBK)	ND		130	9.0	ug/L			04/30/21 15:06	5
Methyl tert-butyl ether	ND		5.0	3.7	ug/L			04/30/21 15:06	5
m-Xylene & p-Xylene	**510**		25	8.0	ug/L			04/30/21 15:06	5
Naphthalene	**130**		5.0	5.0	ug/L			04/30/21 15:06	5
n-Butylbenzene	ND		5.0	3.8	ug/L			04/30/21 15:06	5
N-Propylbenzene	**28**		5.0	3.5	ug/L			04/30/21 15:06	5
o-Chlorotoluene	ND		5.0	2.9	ug/L			04/30/21 15:06	5
o-Xylene	**68**		25	3.0	ug/L			04/30/21 15:06	5
p-Chlorotoluene	ND		5.0	2.8	ug/L			04/30/21 15:06	5
p-Isopropyltoluene	ND		5.0	3.6	ug/L			04/30/21 15:06	5

Client Sample ID: ROST4PZE-ROX-041621
Date Collected: 04/16/21 10:15
Date Received: 04/17/21 09:21

Lab Sample ID: 400-202242-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		5.0	3.5	ug/L			04/30/21 15:06	5
Styrene	ND		5.0	5.0	ug/L			04/30/21 15:06	5
tert-Butylbenzene	ND		5.0	3.2	ug/L			04/30/21 15:06	5
1,1,1,2-Tetrachloroethane	ND		5.0	2.6	ug/L			04/30/21 15:06	5
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	ug/L			04/30/21 15:06	5
Tetrachloroethene	ND		5.0	2.9	ug/L			04/30/21 15:06	5
Toluene	**38**		5.0	2.1	ug/L			04/30/21 15:06	5
trans-1,2-Dichloroethene	ND		5.0	2.5	ug/L			04/30/21 15:06	5
trans-1,3-Dichloropropene	ND		25	2.5	ug/L			04/30/21 15:06	5
1,2,3-Trichlorobenzene	ND		5.0	3.5	ug/L			04/30/21 15:06	5
1,2,4-Trichlorobenzene	ND		5.0	4.1	ug/L			04/30/21 15:06	5
1,1,1-Trichloroethane	ND		5.0	2.5	ug/L			04/30/21 15:06	5
1,1,2-Trichloroethane	ND		25	2.5	ug/L			04/30/21 15:06	5
Trichloroethene	ND		5.0	2.5	ug/L			04/30/21 15:06	5
Trichlorofluoromethane	ND		5.0	2.6	ug/L			04/30/21 15:06	5
1,2,3-Trichloropropane	ND		25	4.2	ug/L			04/30/21 15:06	5
1,2,4-Trimethylbenzene	**200**		5.0	4.1	ug/L			04/30/21 15:06	5
1,3,5-Trimethylbenzene	**39**		5.0	2.8	ug/L			04/30/21 15:06	5
Vinyl acetate	ND		130	10	ug/L			04/30/21 15:06	5
Vinyl chloride	ND		5.0	2.5	ug/L			04/30/21 15:06	5
Xylenes, Total	**570**		50	8.0	ug/L			04/30/21 15:06	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*04/30/21 15:06*	*5*
Dibromofluoromethane	*109*		*81 - 121*		*04/30/21 15:06*	*5*
Toluene-d8 (Surr)	*89*		*80 - 120*		*04/30/21 15:06*	*5*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**2.7**		0.19	0.030	ug/L		04/23/21 09:52	04/26/21 16:24	1
Acenaphthylene	**0.36**		0.19	0.043	ug/L		04/23/21 09:52	04/26/21 16:24	1
Anthracene	**1.4**		0.19	0.030	ug/L		04/23/21 09:52	04/26/21 16:24	1
Benzo[a]anthracene	ND		0.19	0.044	ug/L		04/23/21 09:52	04/26/21 16:24	1
Benzo[a]pyrene	ND		0.19	0.040	ug/L		04/23/21 09:52	04/26/21 16:24	1
Benzo[b]fluoranthene	ND		0.19	0.032	ug/L		04/23/21 09:52	04/26/21 16:24	1
Benzo[g,h,i]perylene	ND		0.19	0.12	ug/L		04/23/21 09:52	04/26/21 16:24	1
Benzo[k]fluoranthene	ND		0.19	0.095	ug/L		04/23/21 09:52	04/26/21 16:24	1
Chrysene	ND		0.19	0.071	ug/L		04/23/21 09:52	04/26/21 16:24	1
Dibenz(a,h)anthracene	ND		0.19	0.048	ug/L		04/23/21 09:52	04/26/21 16:24	1
Fluoranthene	**0.21**		0.19	0.065	ug/L		04/23/21 09:52	04/26/21 16:24	1
Fluorene	**2.6**		0.19	0.10	ug/L		04/23/21 09:52	04/26/21 16:24	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.041	ug/L		04/23/21 09:52	04/26/21 16:24	1
1-Methylnaphthalene	**64**		0.19	0.071	ug/L		04/23/21 09:52	04/26/21 16:24	1
2-Methylnaphthalene	**70**		0.19	0.057	ug/L		04/23/21 09:52	04/26/21 16:24	1
Phenanthrene	**6.3**		0.19	0.034	ug/L		04/23/21 09:52	04/26/21 16:24	1
Pyrene	**0.48**		0.19	0.038	ug/L		04/23/21 09:52	04/26/21 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*85*		*15 - 122*	*04/23/21 09:52*	*04/26/21 16:24*	*1*
Nitrobenzene-d5	*37*		*19 - 130*	*04/23/21 09:52*	*04/26/21 16:24*	*1*

Client Sample ID: ROST4PZE-ROX-041621
Date Collected: 04/16/21 10:15
Date Received: 04/17/21 09:21

Lab Sample ID: 400-202242-5
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	04/23/21 09:52	04/26/21 16:24	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		04/23/21 09:52	04/26/21 18:33	1
Benzenethiol	ND	*-*1	9.5	1.6	ug/L		04/23/21 09:52	04/26/21 18:33	1
Benzoic acid	ND		29	7.0	ug/L		04/23/21 09:52	04/26/21 18:33	1
Benzyl alcohol	ND		9.5	1.9	ug/L		04/23/21 09:52	04/26/21 18:33	1
Bis(2-chloroethoxy)methane	ND		9.5	0.15	ug/L		04/23/21 09:52	04/26/21 18:33	1
Bis(2-chloroethyl)ether	ND		9.5	2.6	ug/L		04/23/21 09:52	04/26/21 18:33	1
bis (2-chloroisopropyl) ether	ND		9.5	0.15	ug/L		04/23/21 09:52	04/26/21 18:33	1
Bis(2-ethylhexyl) phthalate	ND		9.5	4.8	ug/L		04/23/21 09:52	04/26/21 18:33	1
4-Bromophenyl phenyl ether	ND		9.5	0.19	ug/L		04/23/21 09:52	04/26/21 18:33	1
Butyl benzyl phthalate	ND		9.5	0.18	ug/L		04/23/21 09:52	04/26/21 18:33	1
4-Chloroaniline	ND		9.5	3.2	ug/L		04/23/21 09:52	04/26/21 18:33	1
4-Chloro-3-methylphenol	ND		9.5	3.6	ug/L		04/23/21 09:52	04/26/21 18:33	1
2-Chloronaphthalene	ND		9.5	0.13	ug/L		04/23/21 09:52	04/26/21 18:33	1
2-Chlorophenol	ND		9.5	2.1	ug/L		04/23/21 09:52	04/26/21 18:33	1
4-Chlorophenyl phenyl ether	ND		9.5	1.9	ug/L		04/23/21 09:52	04/26/21 18:33	1
Dibenz[a,h]acridine	ND		9.5	0.95	ug/L		04/23/21 09:52	04/26/21 18:33	1
Dibenzofuran	**1.5**	J	9.5	0.16	ug/L		04/23/21 09:52	04/26/21 18:33	1
3,3'-Dichlorobenzidine	ND		9.5	2.5	ug/L		04/23/21 09:52	04/26/21 18:33	1
2,4-Dichlorophenol	ND		9.5	2.9	ug/L		04/23/21 09:52	04/26/21 18:33	1
Diethyl phthalate	**0.81**	J	9.5	0.23	ug/L		04/23/21 09:52	04/26/21 18:33	1
2,4-Dimethylphenol	**8.7**	J	9.5	3.3	ug/L		04/23/21 09:52	04/26/21 18:33	1
Dimethyl phthalate	ND		9.5	0.16	ug/L		04/23/21 09:52	04/26/21 18:33	1
Di-n-butyl phthalate	ND		9.5	2.6	ug/L		04/23/21 09:52	04/26/21 18:33	1
4,6-Dinitro-ortho-cresol	ND		9.5	1.5	ug/L		04/23/21 09:52	04/26/21 18:33	1
2,4-Dinitrophenol	ND		29	3.2	ug/L		04/23/21 09:52	04/26/21 18:33	1
2,4-Dinitrotoluene	ND		9.5	1.8	ug/L		04/23/21 09:52	04/26/21 18:33	1
2,6-Dinitrotoluene	ND		9.5	1.8	ug/L		04/23/21 09:52	04/26/21 18:33	1
Di-n-octyl phthalate	ND		9.5	0.16	ug/L		04/23/21 09:52	04/26/21 18:33	1
1,4-Dioxane	ND		9.5	0.95	ug/L		04/23/21 09:52	04/26/21 18:33	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		9.5	0.95	ug/L		04/23/21 09:52	04/26/21 18:33	1
Hexachlorobenzene	ND		9.5	0.16	ug/L		04/23/21 09:52	04/26/21 18:33	1
Hexachlorocyclopentadiene	ND		19	2.5	ug/L		04/23/21 09:52	04/26/21 18:33	1
Hexachloroethane	ND		9.5	4.0	ug/L		04/23/21 09:52	04/26/21 18:33	1
Indene	**3.3**	J	9.5	0.95	ug/L		04/23/21 09:52	04/26/21 18:33	1
Isophorone	ND		9.5	0.13	ug/L		04/23/21 09:52	04/26/21 18:33	1
2-Methylphenol	ND		9.5	1.7	ug/L		04/23/21 09:52	04/26/21 18:33	1
3 & 4 Methylphenol	**2.4**	J	19	0.37	ug/L		04/23/21 09:52	04/26/21 18:33	1
2-Nitroaniline	ND		9.5	2.1	ug/L		04/23/21 09:52	04/26/21 18:33	1
3-Nitroaniline	ND		9.5	1.7	ug/L		04/23/21 09:52	04/26/21 18:33	1
4-Nitroaniline	ND		9.5	1.4	ug/L		04/23/21 09:52	04/26/21 18:33	1
Nitrobenzene	ND		9.5	0.12	ug/L		04/23/21 09:52	04/26/21 18:33	1
2-Nitrophenol	ND		9.5	5.0	ug/L		04/23/21 09:52	04/26/21 18:33	1
4-Nitrophenol	ND		9.5	2.0	ug/L		04/23/21 09:52	04/26/21 18:33	1
N-Nitrosodimethylamine	ND		9.5	3.3	ug/L		04/23/21 09:52	04/26/21 18:33	1

Client Sample ID: ROST4PZE-ROX-041621
Date Collected: 04/16/21 10:15
Date Received: 04/17/21 09:21

Lab Sample ID: 400-202242-5
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		9.5	3.1	ug/L		04/23/21 09:52	04/26/21 18:33	1
N-Nitrosodiphenylamine	ND		9.5	0.17	ug/L		04/23/21 09:52	04/26/21 18:33	1
Pentachlorophenol	ND		19	1.3	ug/L		04/23/21 09:52	04/26/21 18:33	1
Phenol	ND		9.5	2.5	ug/L		04/23/21 09:52	04/26/21 18:33	1
Pyridine	ND		9.5	3.0	ug/L		04/23/21 09:52	04/26/21 18:33	1
Quinoline	ND		9.5	4.3	ug/L		04/23/21 09:52	04/26/21 18:33	1
2,4,5-Trichlorophenol	ND		9.5	3.5	ug/L		04/23/21 09:52	04/26/21 18:33	1
2,4,6-Trichlorophenol	ND		9.5	3.3	ug/L		04/23/21 09:52	04/26/21 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*46 - 124*	*04/23/21 09:52*	*04/26/21 18:33*	*1*
2-Fluorophenol	*35*		*13 - 113*	*04/23/21 09:52*	*04/26/21 18:33*	*1*
Nitrobenzene-d5	*63*		*36 - 126*	*04/23/21 09:52*	*04/26/21 18:33*	*1*
Phenol-d5	*59*		*17 - 127*	*04/23/21 09:52*	*04/26/21 18:33*	*1*
Terphenyl-d14	*80*		*44 - 149*	*04/23/21 09:52*	*04/26/21 18:33*	*1*
2,4,6-Tribromophenol	*74*		*26 - 150*	*04/23/21 09:52*	*04/26/21 18:33*	*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		0.031	0.0056	ug/L		04/23/21 10:56	04/25/21 21:06	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		04/23/21 10:56	04/25/21 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*51 - 149*	*04/23/21 10:56*	*04/25/21 21:06*	*1*

Definitions/Glossary

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

Job ID: 400-202242-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low 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.
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: 400-202242-1

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)
400-202242-1	TB-ROX-041621-8260	88	103	93
400-202242-3	MW28-ROX-041621	88	107	94
400-202242-4	MW28-ROX-041621-DUP	87	107	90
400-202242-5	ROST4PZE-ROX-041621	88	109	89
LCS 400-529809/1003	Lab Control Sample	92	106	93
MB 400-529809/5	Method Blank	89	106	91

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)
400-202242-3	MW28-ROX-041621	63	16	55	43	75	60
400-202242-4	MW28-ROX-041621-DUP	67	26	60	51	80	65
400-202242-5	ROST4PZE-ROX-041621	69	35	63	59	80	74
LCS 400-528836/2-A	Lab Control Sample	70	47	68	63	87	86
LCS 400-528836/4-A	Lab Control Sample	81	16	70	49	104	18 S1-
LCSD 400-528836/3-A	Lab Control Sample Dup	80	44	76	68	99	94
LCSD 400-528836/5-A	Lab Control Sample Dup	81	14	68	41	100	40
MB 400-528836/1-A	Method Blank	83	10 S1-	71	47	103	56

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)
400-202242-3	MW28-ROX-041621	83	0.7 S1-	101
400-202242-4	MW28-ROX-041621-DUP	86	0.9 S1-	106
400-202242-5	ROST4PZE-ROX-041621	85	37	105
LCS 400-528836/2-A	Lab Control Sample	81	123	92
LCSD 400-528836/3-A	Lab Control Sample Dup	89	134 S1+	96
MB 400-528836/1-A	Method Blank	76	31	104

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: 400-202242-1

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)
400-202242-2	TB-ROX-041621-8011	103 p
400-202242-3	MW28-ROX-041621	102
400-202242-4	MW28-ROX-041621-DUP	125
400-202242-5	ROST4PZE-ROX-041621	94
LCS 400-528856/2-A	Lab Control Sample	111 p
LCSD 400-528856/3-A	Lab Control Sample Dup	120 p
MB 400-528856/1-A	Method Blank	106 p

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

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

Job ID: 400-202242-1

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: 400-202242-1

Client Sample ID: TB-ROX-041621-8260

Lab Sample ID: 400-202242-1

Date Collected: 04/16/21 00:00
Date Received: 04/17/21 09:21

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	529809	04/30/21 17:14	WPD	TAL PEN

Client Sample ID: TB-ROX-041621-8011

Lab Sample ID: 400-202242-2

Date Collected: 04/16/21 00:00
Date Received: 04/17/21 09:21

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			34.9 mL	35 mL	528856	04/23/21 10:56	DS	TAL PEN
Total/NA	Analysis	8011		1			528939	04/24/21 15:38	DS	TAL PEN

Client Sample ID: MW28-ROX-041621

Lab Sample ID: 400-202242-3

Date Collected: 04/16/21 09:15
Date Received: 04/17/21 09:21

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	529809	04/30/21 17:38	WPD	TAL PEN
Total/NA	Prep	3520C			259 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1	0.4 mL	1.0 mL	529206	04/26/21 17:50	S1B	TAL PEN
Total/NA	Prep	3520C			259 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529166	04/26/21 15:53	KJA	TAL PEN
Total/NA	Prep	8011			34.8 mL	35 mL	528856	04/23/21 10:56	DS	TAL PEN
Total/NA	Analysis	8011		1			528939	04/24/21 15:59	DS	TAL PEN

Client Sample ID: MW28-ROX-041621-DUP

Lab Sample ID: 400-202242-4

Date Collected: 04/16/21 09:15
Date Received: 04/17/21 09:21

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	529809	04/30/21 18:01	WPD	TAL PEN
Total/NA	Prep	3520C			261.4 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529206	04/26/21 18:11	S1B	TAL PEN
Total/NA	Prep	3520C			261.4 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529166	04/26/21 16:08	KJA	TAL PEN
Total/NA	Prep	8011			34.8 mL	35 mL	528856	04/23/21 10:56	DS	TAL PEN
Total/NA	Analysis	8011		1			529101	04/25/21 20:46	DS	TAL PEN

Client Sample ID: ROST4PZE-ROX-041621

Lab Sample ID: 400-202242-5

Date Collected: 04/16/21 10:15
Date Received: 04/17/21 09:21

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		5	5 mL	5 mL	529809	04/30/21 15:06	WPD	TAL PEN
Total/NA	Prep	3520C			262.4 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529206	04/26/21 18:33	S1B	TAL PEN

Lab Chronicle

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

Job ID: 400-202242-1

Client Sample ID: ROST4PZE-ROX-041621

Lab Sample ID: 400-202242-5

Date Collected: 04/16/21 10:15
Date Received: 04/17/21 09:21

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			262.4 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529166	04/26/21 16:24	KJA	TAL PEN
Total/NA	Prep	8011			34.2 mL	35 mL	528856	04/23/21 10:56	DS	TAL PEN
Total/NA	Analysis	8011		1			529101	04/25/21 21:06	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528836/1-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	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529206	04/26/21 16:03	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529166	04/26/21 15:06	KJA	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528856/1-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	528856	04/23/21 10:56	DS	TAL PEN
Total/NA	Analysis	8011		1			528939	04/24/21 10:12	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-529809/5

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	529809	04/30/21 11:05	WPD	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-528836/2-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	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529206	04/26/21 16:24	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			529166	04/26/21 15:21	KJA	TAL PEN

Lab Chronicle

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

Job ID: 400-202242-1

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-528836/4-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	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529206	04/26/21 17:07	S1B	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-528856/2-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	528856	04/23/21 10:56	DS	TAL PEN
Total/NA	Analysis	8011		1			528939	04/24/21 10:32	DS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-529809/1003
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	529809	04/30/21 10:10	WPD	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-528836/3-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	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529206	04/26/21 16:46	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			529166	04/26/21 15:37	KJA	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-528836/5-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	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529206	04/26/21 17:29	S1B	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-528856/3-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	528856	04/23/21 10:56	DS	TAL PEN
Total/NA	Analysis	8011		1			528939	04/24/21 10:52	DS	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: 400-202242-1

GC/MS VOA

Analysis Batch: 529809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202242-1	TB-ROX-041621-8260	Total/NA	Water	8260B	
400-202242-3	MW28-ROX-041621	Total/NA	Water	8260B	
400-202242-4	MW28-ROX-041621-DUP	Total/NA	Water	8260B	
400-202242-5	ROST4PZE-ROX-041621	Total/NA	Water	8260B	
MB 400-529809/5	Method Blank	Total/NA	Water	8260B	
LCS 400-529809/1003	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 528836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202242-3	MW28-ROX-041621	Total/NA	Water	3520C	
400-202242-4	MW28-ROX-041621-DUP	Total/NA	Water	3520C	
400-202242-5	ROST4PZE-ROX-041621	Total/NA	Water	3520C	
MB 400-528836/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-528836/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-528836/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-528836/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-528836/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 529166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202242-3	MW28-ROX-041621	Total/NA	Water	8270D LL	528836
400-202242-4	MW28-ROX-041621-DUP	Total/NA	Water	8270D LL	528836
400-202242-5	ROST4PZE-ROX-041621	Total/NA	Water	8270D LL	528836
MB 400-528836/1-A	Method Blank	Total/NA	Water	8270D LL	528836
LCS 400-528836/2-A	Lab Control Sample	Total/NA	Water	8270D LL	528836
LCSD 400-528836/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	528836

Analysis Batch: 529206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202242-3	MW28-ROX-041621	Total/NA	Water	8270D	528836
400-202242-4	MW28-ROX-041621-DUP	Total/NA	Water	8270D	528836
400-202242-5	ROST4PZE-ROX-041621	Total/NA	Water	8270D	528836
MB 400-528836/1-A	Method Blank	Total/NA	Water	8270D	528836
LCS 400-528836/2-A	Lab Control Sample	Total/NA	Water	8270D	528836
LCS 400-528836/4-A	Lab Control Sample	Total/NA	Water	8270D	528836
LCSD 400-528836/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	528836
LCSD 400-528836/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	528836

GC Semi VOA

Prep Batch: 528856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202242-2	TB-ROX-041621-8011	Total/NA	Water	8011	
400-202242-3	MW28-ROX-041621	Total/NA	Water	8011	
400-202242-4	MW28-ROX-041621-DUP	Total/NA	Water	8011	
400-202242-5	ROST4PZE-ROX-041621	Total/NA	Water	8011	
MB 400-528856/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-528856/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-528856/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

QC Association Summary

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

Job ID: 400-202242-1

GC Semi VOA

Analysis Batch: 528939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202242-2	TB-ROX-041621-8011	Total/NA	Water	8011	528856
400-202242-3	MW28-ROX-041621	Total/NA	Water	8011	528856
MB 400-528856/1-A	Method Blank	Total/NA	Water	8011	528856
LCS 400-528856/2-A	Lab Control Sample	Total/NA	Water	8011	528856
LCSD 400-528856/3-A	Lab Control Sample Dup	Total/NA	Water	8011	528856

Analysis Batch: 529101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202242-4	MW28-ROX-041621-DUP	Total/NA	Water	8011	528856
400-202242-5	ROST4PZE-ROX-041621	Total/NA	Water	8011	528856

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-529809/5
Matrix: Water
Analysis Batch: 529809

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			04/30/21 11:05	1
Acrolein	ND		20	10	ug/L			04/30/21 11:05	1
Acrylonitrile	ND		10	2.8	ug/L			04/30/21 11:05	1
Benzene	ND		1.0	0.38	ug/L			04/30/21 11:05	1
Bromobenzene	ND		1.0	0.54	ug/L			04/30/21 11:05	1
Bromochloromethane	ND		1.0	0.52	ug/L			04/30/21 11:05	1
Bromodichloromethane	ND		1.0	0.50	ug/L			04/30/21 11:05	1
Bromoform	ND		5.0	0.71	ug/L			04/30/21 11:05	1
Bromomethane	ND		1.0	0.98	ug/L			04/30/21 11:05	1
2-Butanone (MEK)	ND		25	2.6	ug/L			04/30/21 11:05	1
Carbon disulfide	ND		1.0	0.50	ug/L			04/30/21 11:05	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			04/30/21 11:05	1
Chlorobenzene	ND		1.0	0.50	ug/L			04/30/21 11:05	1
Dibromochloromethane	ND		1.0	0.50	ug/L			04/30/21 11:05	1
Chloroethane	ND		1.0	0.76	ug/L			04/30/21 11:05	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			04/30/21 11:05	1
Chloroform	ND		1.0	0.60	ug/L			04/30/21 11:05	1
1-Chlorohexane	ND		1.0	0.70	ug/L			04/30/21 11:05	1
Chloromethane	ND		1.0	0.83	ug/L			04/30/21 11:05	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/21 11:05	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/21 11:05	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			04/30/21 11:05	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			04/30/21 11:05	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			04/30/21 11:05	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			04/30/21 11:05	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			04/30/21 11:05	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			04/30/21 11:05	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			04/30/21 11:05	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/21 11:05	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			04/30/21 11:05	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			04/30/21 11:05	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			04/30/21 11:05	1
Ethylbenzene	ND		1.0	0.50	ug/L			04/30/21 11:05	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			04/30/21 11:05	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			04/30/21 11:05	1
2-Hexanone	ND		25	3.1	ug/L			04/30/21 11:05	1
Isopropylbenzene	ND		1.0	0.53	ug/L			04/30/21 11:05	1
Methylene bromide	ND		5.0	0.59	ug/L			04/30/21 11:05	1
Methylene Chloride	ND		5.0	3.0	ug/L			04/30/21 11:05	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			04/30/21 11:05	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			04/30/21 11:05	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			04/30/21 11:05	1
Naphthalene	ND		1.0	1.0	ug/L			04/30/21 11:05	1
n-Butylbenzene	ND		1.0	0.76	ug/L			04/30/21 11:05	1
N-Propylbenzene	ND		1.0	0.69	ug/L			04/30/21 11:05	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			04/30/21 11:05	1
o-Xylene	ND		5.0	0.60	ug/L			04/30/21 11:05	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			04/30/21 11:05	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-529809/5
Matrix: Water
Analysis Batch: 529809

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			04/30/21 11:05	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			04/30/21 11:05	1
Styrene	ND		1.0	1.0	ug/L			04/30/21 11:05	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			04/30/21 11:05	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			04/30/21 11:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			04/30/21 11:05	1
Tetrachloroethene	ND		1.0	0.58	ug/L			04/30/21 11:05	1
Toluene	ND		1.0	0.41	ug/L			04/30/21 11:05	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			04/30/21 11:05	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			04/30/21 11:05	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			04/30/21 11:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			04/30/21 11:05	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			04/30/21 11:05	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			04/30/21 11:05	1
Trichloroethene	ND		1.0	0.50	ug/L			04/30/21 11:05	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			04/30/21 11:05	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			04/30/21 11:05	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			04/30/21 11:05	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			04/30/21 11:05	1
Vinyl acetate	ND		25	2.0	ug/L			04/30/21 11:05	1
Vinyl chloride	ND		1.0	0.50	ug/L			04/30/21 11:05	1
Xylenes, Total	ND		10	1.6	ug/L			04/30/21 11:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*04/30/21 11:05*	*1*
Dibromofluoromethane	*106*		*81 - 121*		*04/30/21 11:05*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/30/21 11:05*	*1*

Lab Sample ID: LCS 400-529809/1003
Matrix: Water
Analysis Batch: 529809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	188		ug/L		94	43 - 160
Acrolein	500	440		ug/L		88	38 - 160
Acrylonitrile	500	387		ug/L		77	64 - 142
Benzene	50.0	49.3		ug/L		99	70 - 130
Bromobenzene	50.0	49.0		ug/L		98	70 - 132
Bromochloromethane	50.0	52.5		ug/L		105	70 - 130
Bromodichloromethane	50.0	52.7		ug/L		105	67 - 133
Bromoform	50.0	46.3		ug/L		93	57 - 140
Bromomethane	50.0	57.1		ug/L		114	10 - 160
2-Butanone (MEK)	200	201		ug/L		101	61 - 145
Carbon disulfide	50.0	48.9		ug/L		98	61 - 137
Carbon tetrachloride	50.0	58.6		ug/L		117	61 - 137
Chlorobenzene	50.0	49.1		ug/L		98	70 - 130
Dibromochloromethane	50.0	48.8		ug/L		98	67 - 135
Chloroethane	50.0	46.6		ug/L		93	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529809/1003
Matrix: Water
Analysis Batch: 529809

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	41.1		ug/L		82	10 - 160
Chloroform	50.0	54.2		ug/L		108	69 - 130
1-Chlorohexane	50.0	40.8		ug/L		82	69 - 130
Chloromethane	50.0	34.9		ug/L		70	58 - 137
cis-1,2-Dichloroethene	50.0	48.6		ug/L		97	68 - 130
cis-1,3-Dichloropropene	50.0	52.2		ug/L		104	69 - 132
1,2-Dichlorobenzene	50.0	51.4		ug/L		103	67 - 130
1,3-Dichlorobenzene	50.0	54.2		ug/L		108	70 - 130
1,4-Dichlorobenzene	50.0	53.2		ug/L		106	70 - 130
Dichlorodifluoromethane	50.0	39.5		ug/L		79	41 - 146
1,1-Dichloroethane	50.0	47.1		ug/L		94	70 - 130
1,2-Dichloroethane	50.0	55.8		ug/L		112	69 - 130
1,1-Dichloroethene	50.0	52.3		ug/L		105	63 - 134
1,2-Dichloropropane	50.0	42.4		ug/L		85	70 - 130
1,3-Dichloropropane	50.0	43.6		ug/L		87	70 - 130
2,2-Dichloropropane	50.0	54.8		ug/L		110	52 - 135
1,1-Dichloropropene	50.0	50.0		ug/L		100	70 - 130
Ethylbenzene	50.0	47.5		ug/L		95	70 - 130
Ethyl methacrylate	50.0	44.9		ug/L		90	68 - 130
Hexachlorobutadiene	50.0	64.2		ug/L		128	53 - 140
2-Hexanone	200	139		ug/L		69	65 - 137
Isopropylbenzene	50.0	49.9		ug/L		100	70 - 130
Methylene bromide	50.0	54.5		ug/L		109	70 - 130
Methylene Chloride	50.0	53.0		ug/L		106	66 - 135
4-Methyl-2-pentanone (MIBK)	200	160		ug/L		80	69 - 138
Methyl tert-butyl ether	50.0	57.9		ug/L		116	66 - 130
m-Xylene & p-Xylene	50.0	49.3		ug/L		99	70 - 130
Naphthalene	50.0	42.1		ug/L		84	47 - 149
n-Butylbenzene	50.0	45.4		ug/L		91	67 - 130
N-Propylbenzene	50.0	48.5		ug/L		97	70 - 130
o-Chlorotoluene	50.0	45.3		ug/L		91	70 - 130
o-Xylene	50.0	47.6		ug/L		95	70 - 130
p-Chlorotoluene	50.0	45.3		ug/L		91	70 - 130
p-Isopropyltoluene	50.0	48.9		ug/L		98	65 - 130
sec-Butylbenzene	50.0	46.0		ug/L		92	66 - 130
Styrene	50.0	48.4		ug/L		97	70 - 130
tert-Butylbenzene	50.0	50.3		ug/L		101	64 - 139
1,1,1,2-Tetrachloroethane	50.0	51.4		ug/L		103	67 - 131
1,1,2,2-Tetrachloroethane	50.0	40.7		ug/L		81	70 - 131
Tetrachloroethene	50.0	52.2		ug/L		104	65 - 130
Toluene	50.0	47.1		ug/L		94	70 - 130
trans-1,2-Dichloroethene	50.0	53.3		ug/L		107	70 - 130
trans-1,3-Dichloropropene	50.0	48.4		ug/L		97	63 - 130
1,2,3-Trichlorobenzene	50.0	55.6		ug/L		111	60 - 138
1,2,4-Trichlorobenzene	50.0	52.5		ug/L		105	60 - 140
1,1,1-Trichloroethane	50.0	55.4		ug/L		111	68 - 130
1,1,2-Trichloroethane	50.0	46.0		ug/L		92	70 - 130
Trichloroethene	50.0	56.5		ug/L		113	70 - 130
Trichlorofluoromethane	50.0	59.6		ug/L		119	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529809/1003
Matrix: Water
Analysis Batch: 529809

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	44.1		ug/L		88	70 - 130
1,2,4-Trimethylbenzene	50.0	44.9		ug/L		90	70 - 130
1,3,5-Trimethylbenzene	50.0	46.3		ug/L		93	69 - 130
Vinyl acetate	100	133		ug/L		133	26 - 160
Vinyl chloride	50.0	46.0		ug/L		92	59 - 136
Xylenes, Total	100	96.9		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*78 - 118*
Dibromofluoromethane	*106*		*81 - 121*
Toluene-d8 (Surr)	*93*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-528836/1-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		04/23/21 09:52	04/26/21 16:03	1
Benzenethiol	ND		10	1.7	ug/L		04/23/21 09:52	04/26/21 16:03	1
Benzoic acid	ND		30	7.3	ug/L		04/23/21 09:52	04/26/21 16:03	1
Benzyl alcohol	ND		10	2.0	ug/L		04/23/21 09:52	04/26/21 16:03	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/23/21 09:52	04/26/21 16:03	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/23/21 09:52	04/26/21 16:03	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/23/21 09:52	04/26/21 16:03	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		04/23/21 09:52	04/26/21 16:03	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/23/21 09:52	04/26/21 16:03	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/23/21 09:52	04/26/21 16:03	1
4-Chloroaniline	ND		10	3.4	ug/L		04/23/21 09:52	04/26/21 16:03	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		04/23/21 09:52	04/26/21 16:03	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/23/21 09:52	04/26/21 16:03	1
2-Chlorophenol	ND		10	2.2	ug/L		04/23/21 09:52	04/26/21 16:03	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/23/21 09:52	04/26/21 16:03	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/23/21 09:52	04/26/21 16:03	1
Dibenzofuran	ND		10	0.17	ug/L		04/23/21 09:52	04/26/21 16:03	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/23/21 09:52	04/26/21 16:03	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/23/21 09:52	04/26/21 16:03	1
Diethyl phthalate	ND		10	0.24	ug/L		04/23/21 09:52	04/26/21 16:03	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		04/23/21 09:52	04/26/21 16:03	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/23/21 09:52	04/26/21 16:03	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/23/21 09:52	04/26/21 16:03	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/23/21 09:52	04/26/21 16:03	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		04/23/21 09:52	04/26/21 16:03	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/23/21 09:52	04/26/21 16:03	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/23/21 09:52	04/26/21 16:03	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/23/21 09:52	04/26/21 16:03	1
1,4-Dioxane	ND		10	1.0	ug/L		04/23/21 09:52	04/26/21 16:03	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-528836/1-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/23/21 09:52	04/26/21 16:03	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/23/21 09:52	04/26/21 16:03	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/23/21 09:52	04/26/21 16:03	1
Hexachloroethane	ND		10	4.2	ug/L		04/23/21 09:52	04/26/21 16:03	1
Indene	ND		10	1.0	ug/L		04/23/21 09:52	04/26/21 16:03	1
Isophorone	ND		10	0.14	ug/L		04/23/21 09:52	04/26/21 16:03	1
2-Methylphenol	ND		10	1.8	ug/L		04/23/21 09:52	04/26/21 16:03	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/23/21 09:52	04/26/21 16:03	1
2-Nitroaniline	ND		10	2.2	ug/L		04/23/21 09:52	04/26/21 16:03	1
3-Nitroaniline	ND		10	1.8	ug/L		04/23/21 09:52	04/26/21 16:03	1
4-Nitroaniline	ND		10	1.5	ug/L		04/23/21 09:52	04/26/21 16:03	1
Nitrobenzene	ND		10	0.13	ug/L		04/23/21 09:52	04/26/21 16:03	1
2-Nitrophenol	ND		10	5.2	ug/L		04/23/21 09:52	04/26/21 16:03	1
4-Nitrophenol	ND		10	2.1	ug/L		04/23/21 09:52	04/26/21 16:03	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		04/23/21 09:52	04/26/21 16:03	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		04/23/21 09:52	04/26/21 16:03	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/23/21 09:52	04/26/21 16:03	1
Pentachlorophenol	ND		20	1.4	ug/L		04/23/21 09:52	04/26/21 16:03	1
Phenol	ND		10	2.6	ug/L		04/23/21 09:52	04/26/21 16:03	1
Pyridine	ND		10	3.2	ug/L		04/23/21 09:52	04/26/21 16:03	1
Quinoline	ND		10	4.5	ug/L		04/23/21 09:52	04/26/21 16:03	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/23/21 09:52	04/26/21 16:03	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/23/21 09:52	04/26/21 16:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*46 - 124*	*04/23/21 09:52*	*04/26/21 16:03*	*1*
2-Fluorophenol	*10*	*S1-*	*13 - 113*	*04/23/21 09:52*	*04/26/21 16:03*	*1*
Nitrobenzene-d5	*71*		*36 - 126*	*04/23/21 09:52*	*04/26/21 16:03*	*1*
Phenol-d5	*47*		*17 - 127*	*04/23/21 09:52*	*04/26/21 16:03*	*1*
Terphenyl-d14	*103*		*44 - 149*	*04/23/21 09:52*	*04/26/21 16:03*	*1*
2,4,6-Tribromophenol	*56*		*26 - 150*	*04/23/21 09:52*	*04/26/21 16:03*	*1*

Lab Sample ID: LCS 400-528836/2-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	85.9		ug/L		72	21 - 120
Benzoic acid	502	211		ug/L		42	10 - 144
Benzyl alcohol	120	80.8		ug/L		67	28 - 120
Bis(2-chloroethoxy)methane	120	71.5		ug/L		60	47 - 120
Bis(2-chloroethyl)ether	120	67.4		ug/L		56	44 - 120
bis (2-chloroisopropyl) ether	120	69.9		ug/L		58	33 - 121
Bis(2-ethylhexyl) phthalate	120	107		ug/L		89	52 - 147
4-Bromophenyl phenyl ether	120	102		ug/L		85	54 - 122
Butyl benzyl phthalate	120	103		ug/L		86	54 - 133
4-Chloroaniline	120	75.6		ug/L		63	26 - 120
4-Chloro-3-methylphenol	120	89.9		ug/L		75	48 - 131

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528836/2-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	120	86.8		ug/L		72	52 - 121
2-Chlorophenol	120	76.0		ug/L		63	40 - 120
4-Chlorophenyl phenyl ether	120	92.5		ug/L		77	56 - 125
Dibenz[a,h]acridine	120	94.4		ug/L		79	31 - 150
Dibenzofuran	120	92.2		ug/L		77	56 - 122
3,3'-Dichlorobenzidine	160	167		ug/L		105	36 - 132
2,4-Dichlorophenol	120	83.8		ug/L		70	49 - 120
Diethyl phthalate	120	96.2		ug/L		80	50 - 137
2,4-Dimethylphenol	120	82.1		ug/L		68	48 - 120
Dimethyl phthalate	120	91.2		ug/L		76	57 - 124
Di-n-butyl phthalate	120	109		ug/L		90	58 - 126
4,6-Dinitro-ortho-cresol	240	233		ug/L		97	23 - 148
2,4-Dinitrophenol	240	254		ug/L		106	10 - 150
2,4-Dinitrotoluene	120	98.3		ug/L		82	54 - 142
2,6-Dinitrotoluene	120	92.7		ug/L		77	55 - 130
Di-n-octyl phthalate	120	109		ug/L		91	57 - 138
1,4-Dioxane	120	62.1		ug/L		52	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	85.7		ug/L		71	45 - 124
Hexachlorobenzene	120	109		ug/L		91	52 - 129
Hexachlorocyclopentadiene	120	89.0		ug/L		74	10 - 134
Hexachloroethane	120	91.8		ug/L		76	20 - 120
Indene	120	88.6		ug/L		74	49 - 120
Isophorone	120	73.5		ug/L		61	48 - 120
2-Methylphenol	120	87.1		ug/L		73	46 - 124
3 & 4 Methylphenol	120	81.1		ug/L		68	45 - 120
2-Nitroaniline	120	82.0		ug/L		68	51 - 145
3-Nitroaniline	120	76.4		ug/L		64	37 - 127
4-Nitroaniline	120	70.2		ug/L		59	36 - 137
Nitrobenzene	120	70.7		ug/L		59	45 - 120
2-Nitrophenol	120	90.6		ug/L		75	40 - 124
4-Nitrophenol	240	199		ug/L		83	23 - 146
N-Nitrosodimethylamine	120	77.8		ug/L		65	29 - 137
N-Nitrosodi-n-propylamine	120	83.3		ug/L		69	45 - 120
N-Nitrosodiphenylamine	119	91.8		ug/L		77	54 - 120
Pentachlorophenol	240	182		ug/L		76	31 - 130
Phenol	120	72.1		ug/L		60	11 - 120
Pyridine	240	119		ug/L		50	16 - 120
Quinoline	120	89.1		ug/L		74	49 - 130
2,4,5-Trichlorophenol	120	93.2		ug/L		78	51 - 136
2,4,6-Trichlorophenol	120	86.7		ug/L		72	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*46 - 124*
2-Fluorophenol	*47*		*13 - 113*
Nitrobenzene-d5	*68*		*36 - 126*
Phenol-d5	*63*		*17 - 127*
Terphenyl-d14	*87*		*44 - 149*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528836/2-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528836

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	*86*		*26 - 150*

Lab Sample ID: LCS 400-528836/4-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	1.92	J *-	ug/L		2	10 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	*81*		*46 - 124*
2-Fluorophenol	*16*		*13 - 113*
Nitrobenzene-d5	*70*		*36 - 126*
Phenol-d5	*49*		*17 - 127*
Terphenyl-d14	*104*		*44 - 149*
2,4,6-Tribromophenol	*18*	*S1-*	*26 - 150*

Lab Sample ID: LCSD 400-528836/3-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	120	92.8		ug/L		77	21 - 120	8	30
Benzoic acid	502	207		ug/L		41	10 - 144	2	30
Benzyl alcohol	120	88.4		ug/L		74	28 - 120	9	30
Bis(2-chloroethoxy)methane	120	79.5		ug/L		66	47 - 120	11	30
Bis(2-chloroethyl)ether	120	78.1		ug/L		65	44 - 120	15	30
bis (2-chloroisopropyl) ether	120	78.2		ug/L		65	33 - 121	11	30
Bis(2-ethylhexyl) phthalate	120	119		ug/L		99	52 - 147	11	30
4-Bromophenyl phenyl ether	120	112		ug/L		93	54 - 122	10	30
Butyl benzyl phthalate	120	116		ug/L		96	54 - 133	11	30
4-Chloroaniline	120	80.6		ug/L		67	26 - 120	6	30
4-Chloro-3-methylphenol	120	98.5		ug/L		82	48 - 131	9	30
2-Chloronaphthalene	120	97.2		ug/L		81	52 - 121	11	30
2-Chlorophenol	120	78.9		ug/L		66	40 - 120	4	30
4-Chlorophenyl phenyl ether	120	104		ug/L		87	56 - 125	12	30
Dibenz[a,h]acridine	120	106		ug/L		89	31 - 150	12	30
Dibenzofuran	120	103		ug/L		86	56 - 122	11	30
3,3'-Dichlorobenzidine	160	182		ug/L		114	36 - 132	9	30
2,4-Dichlorophenol	120	88.7		ug/L		74	49 - 120	6	30
Diethyl phthalate	120	108		ug/L		90	50 - 137	11	30
2,4-Dimethylphenol	120	91.7		ug/L		76	48 - 120	11	30
Dimethyl phthalate	120	101		ug/L		84	57 - 124	10	30
Di-n-butyl phthalate	120	122		ug/L		101	58 - 126	11	30
4,6-Dinitro-ortho-cresol	240	253		ug/L		106	23 - 148	8	30
2,4-Dinitrophenol	240	262		ug/L		109	10 - 150	3	30
2,4-Dinitrotoluene	120	107		ug/L		90	54 - 142	9	30
2,6-Dinitrotoluene	120	103		ug/L		86	55 - 130	11	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-528836/3-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-octyl phthalate	120	122		ug/L		102	57 - 138	11	30
1,4-Dioxane	120	70.6		ug/L		59	31 - 120	13	30
1,2-Diphenylhydrazine (as Azobenzene)	120	95.4		ug/L		80	45 - 124	11	30
Hexachlorobenzene	120	122		ug/L		102	52 - 129	12	30
Hexachlorocyclopentadiene	120	90.0		ug/L		75	10 - 134	1	30
Hexachloroethane	120	105		ug/L		88	20 - 120	14	30
Indene	120	102		ug/L		85	49 - 120	14	30
Isophorone	120	82.0		ug/L		68	48 - 120	11	30
2-Methylphenol	120	101		ug/L		84	46 - 124	14	30
3 & 4 Methylphenol	120	89.4		ug/L		75	45 - 120	10	30
2-Nitroaniline	120	88.9		ug/L		74	51 - 145	8	30
3-Nitroaniline	120	84.6		ug/L		71	37 - 127	10	30
4-Nitroaniline	120	75.7		ug/L		63	36 - 137	7	30
Nitrobenzene	120	79.1		ug/L		66	45 - 120	11	30
2-Nitrophenol	120	97.1		ug/L		81	40 - 124	7	30
4-Nitrophenol	240	214		ug/L		89	23 - 146	7	30
N-Nitrosodimethylamine	120	84.0		ug/L		70	29 - 137	8	30
N-Nitrosodi-n-propylamine	120	92.8		ug/L		77	45 - 120	11	30
N-Nitrosodiphenylamine	119	102		ug/L		86	54 - 120	11	30
Pentachlorophenol	240	203		ug/L		85	31 - 130	11	30
Phenol	120	76.1		ug/L		63	11 - 120	5	30
Pyridine	240	137		ug/L		57	16 - 120	14	30
Quinoline	120	98.6		ug/L		82	49 - 130	10	30
2,4,5-Trichlorophenol	120	104		ug/L		87	51 - 136	11	30
2,4,6-Trichlorophenol	120	93.7		ug/L		78	50 - 127	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*46 - 124*
2-Fluorophenol	*44*		*13 - 113*
Nitrobenzene-d5	*76*		*36 - 126*
Phenol-d5	*68*		*17 - 127*
Terphenyl-d14	*99*		*44 - 149*
2,4,6-Tribromophenol	*94*		*26 - 150*

Lab Sample ID: LCSD 400-528836/5-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	ND	*- *1	ug/L		1	10 - 120	35	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*46 - 124*
2-Fluorophenol	*14*		*13 - 113*
Nitrobenzene-d5	*68*		*36 - 126*
Phenol-d5	*41*		*17 - 127*
Terphenyl-d14	*100*		*44 - 149*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-528836/5-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528836

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol	40		26 - 150

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-528836/1-A
Matrix: Water
Analysis Batch: 529166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		04/23/21 09:52	04/26/21 15:06	1
Acenaphthylene	ND		0.20	0.045	ug/L		04/23/21 09:52	04/26/21 15:06	1
Anthracene	ND		0.20	0.032	ug/L		04/23/21 09:52	04/26/21 15:06	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		04/23/21 09:52	04/26/21 15:06	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/23/21 09:52	04/26/21 15:06	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/23/21 09:52	04/26/21 15:06	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/23/21 09:52	04/26/21 15:06	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/23/21 09:52	04/26/21 15:06	1
Chrysene	ND		0.20	0.074	ug/L		04/23/21 09:52	04/26/21 15:06	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		04/23/21 09:52	04/26/21 15:06	1
Fluoranthene	ND		0.20	0.068	ug/L		04/23/21 09:52	04/26/21 15:06	1
Fluorene	ND		0.20	0.11	ug/L		04/23/21 09:52	04/26/21 15:06	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/23/21 09:52	04/26/21 15:06	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		04/23/21 09:52	04/26/21 15:06	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		04/23/21 09:52	04/26/21 15:06	1
Phenanthrene	ND		0.20	0.036	ug/L		04/23/21 09:52	04/26/21 15:06	1
Pyrene	ND		0.20	0.040	ug/L		04/23/21 09:52	04/26/21 15:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	76		15 - 122	04/23/21 09:52	04/26/21 15:06	1
Nitrobenzene-d5	31		19 - 130	04/23/21 09:52	04/26/21 15:06	1
Terphenyl-d14	104		33 - 138	04/23/21 09:52	04/26/21 15:06	1

Lab Sample ID: LCS 400-528836/2-A
Matrix: Water
Analysis Batch: 529166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	107		ug/L		90	41 - 120
Acenaphthylene	120	110		ug/L		91	44 - 120
Anthracene	120	107		ug/L		89	49 - 120
Benzo[a]anthracene	120	102		ug/L		85	61 - 135
Benzo[a]pyrene	120	111		ug/L		92	52 - 120
Benzo[b]fluoranthene	120	96.4		ug/L		80	53 - 134
Benzo[g,h,i]perylene	120	91.1		ug/L		76	47 - 133
Benzo[k]fluoranthene	120	106		ug/L		88	57 - 134
Chrysene	120	99.4		ug/L		83	55 - 122
Dibenz(a,h)anthracene	120	92.0		ug/L		77	48 - 146
Fluoranthene	120	112		ug/L		93	54 - 128

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 400-528836/2-A
Matrix: Water
Analysis Batch: 529166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluorene	120	112		ug/L		93	45 - 125
Indeno[1,2,3-cd]pyrene	120	93.7		ug/L		78	43 - 142
1-Methylnaphthalene	120	82.7		ug/L		69	41 - 120
2-Methylnaphthalene	120	92.7		ug/L		77	32 - 124
Phenanthrene	120	99.5		ug/L		83	48 - 120
Pyrene	120	105		ug/L		87	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*15 - 122*
Nitrobenzene-d5	*123*		*19 - 130*
Terphenyl-d14	*92*		*33 - 138*

Lab Sample ID: LCSD 400-528836/3-A
Matrix: Water
Analysis Batch: 529166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	120	116		ug/L		97	41 - 120	8	56
Acenaphthylene	120	116		ug/L		97	44 - 120	6	56
Anthracene	120	115		ug/L		96	49 - 120	8	51
Benzo[a]anthracene	120	106		ug/L		89	61 - 135	4	49
Benzo[a]pyrene	120	120		ug/L		100	52 - 120	8	50
Benzo[b]fluoranthene	120	102		ug/L		85	53 - 134	6	54
Benzo[g,h,i]perylene	120	103		ug/L		86	47 - 133	12	50
Benzo[k]fluoranthene	120	118		ug/L		98	57 - 134	11	52
Chrysene	120	106		ug/L		88	55 - 122	7	50
Dibenz(a,h)anthracene	120	105		ug/L		87	48 - 146	13	50
Fluoranthene	120	120		ug/L		100	54 - 128	7	52
Fluorene	120	120		ug/L		100	45 - 125	7	56
Indeno[1,2,3-cd]pyrene	120	105		ug/L		88	43 - 142	11	51
1-Methylnaphthalene	120	87.0		ug/L		72	41 - 120	5	55
2-Methylnaphthalene	120	97.9		ug/L		82	32 - 124	5	57
Phenanthrene	120	108		ug/L		90	48 - 120	8	56
Pyrene	120	109		ug/L		91	48 - 132	4	52

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*15 - 122*
Nitrobenzene-d5	*134*	*S1+*	*19 - 130*
Terphenyl-d14	*96*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-528856/1-A
Matrix: Water
Analysis Batch: 528939

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528856

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		04/23/21 10:56	04/24/21 10:12	1

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: MB 400-528856/1-A
Matrix: Water
Analysis Batch: 528939

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528856

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/23/21 10:56	04/24/21 10:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*	*p*	*51 - 149*	*04/23/21 10:56*	*04/24/21 10:12*	*1*

Lab Sample ID: LCS 400-528856/2-A
Matrix: Water
Analysis Batch: 528939

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528856

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.112	p	ug/L		112	60 - 140
1,2-Dibromoethane	0.101	0.115	p	ug/L		114	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*111*	*p*	*51 - 149*

Lab Sample ID: LCSD 400-528856/3-A
Matrix: Water
Analysis Batch: 528939

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528856

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.101	0.119	p	ug/L		118	60 - 140	6	30
1,2-Dibromoethane	0.101	0.122	p	ug/L		121	60 - 140	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*120*	*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 (_____)

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 – 3.2.2F	USPC/00114/R/02

☐ CHECK IF NO INCIDENT # APPLIES
DATE: 4/16/21
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 – 3.2.2F
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
SAMPLER NAME(S) (Print): Aaron Oliver, Tony Jones
LAB USE ONLY

400-202242 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
60648474 – 3.2.2F

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	VOC 8260	8011 EDB + DBCP	SVOC 8270	PAH 8270LL
	TB-Rox-041621-8260	04/16/21	00:00	Water	2					2	X			
	TB-Rox-041621-8011	"	00:00	"	2					2		X		
	MW28-Rox-041621	"	0915	"	6			2		8	X	X	X	X
	MW28-Rox-041621-D	"	0915	"	6			2		8	X	X	X	X
	Rox4P2E-Rox-041621	"	1015	"	6			2		8	X	X	X	X

FIELD NOTES:
TEMPERATURE ON RECEIPT C°
Container PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Fedex: 9509 0064 1353 9509 0064 1342	4/16/21	1230
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 4-17-21	Time: 9:21

CUSTODY SEALS: 1503912, 1503913, 1503914, 1503915

1.5°, 1.2°, IR7

Version: 2Apr21

Page 42 of 44

5/3/2021 (Rev. 1)

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-202242-1

Login Number: 202242
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	1.5°C 1.2°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: 400-202242-1

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
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
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	P330-21-00056	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 – 2nd Quarter 2021 Data Review

Laboratory SDG: 400-202274-1

Data Reviewer: Melissa Remiger

Peer Reviewer: Elizabeth Kunkel

Date Reviewed: 6/8/2021

Guidance: USEPA National Functional Guidelines for Organic Superfund Methods Data Review 2020

Sample Identification	Sample Identification
TB-ROX-041921-8260	TB-ROX-041921-8011
MW4-ROX-041921-EB	MW4-ROX-041921
MW25-ROX-041921	MW8-ROX-041921
MW7-ROX-041921	MW7-ROX-041921-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 several PAHs and pyridine were detected in the equipment blank. Several LCS/LCSD recoveries, and the LCS/LCSD RPD for benzenethiol, were outside evaluation criteria. Several SVOC/PAH surrogates were outside criteria in several investigative and quality control samples. The difference in phenol results for the field duplicate pair MW7-ROX-041921/MW7-ROX-041921-Dup was greater than two times (2X) the reporting level; therefore, results were qualified as estimated (**J**). Several samples were diluted to bring VOCs into calibration range of the instrument. The continuing calibration verification for bis(2-chloroethyl)ether 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
MW4-ROX-041921-EB	PAHs	Anthracene	0.058 µg/L
MW4-ROX-041921-EB	PAHs	Phenanthrene	0.067 µg/L
MW4-ROX-041921-EB	PAHs	Pyrene	0.065 µg/L
MW4-ROX-041921-EB	SVOCs	Pyridine	5.5 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
MW4-ROX-041921	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 400-529947/1002	VOCs	Hexachlorobutadiene	**156**	NA	53-140
LCS/LCSD 400-528836/4-A/5-A	SVOCs	Benzenethiol	**2/1**	**35**	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 in LCS/LCSD 400-528836/4-A/5-A; benzenethiol has been identified as a poor performing analyte under Method 8270.

Sample ID	Parameter	Analyte	Qualification
MW4-ROX-041921	SVOCs	Benzenethiol	**UJ**
MW25-ROX-041921	SVOCs	Benzenethiol	**UJ**
MW8-ROX-041921	SVOCs	Benzenethiol	**UJ**
MW7-ROX-041921	SVOCs	Benzenethiol	**UJ**
MW7-ROX-041921-Dup	SVOCs	Benzenethiol	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW4-ROX-041921-EB	SVOCs	2-Fluorophenol	**7**	13-113
MW4-ROX-041921	PAHs	Nitrobenzene-d_5	**0.7**	19-130

Sample ID	Parameter	Surrogate	Recovery (%)	Criteria (%)
MW7-ROX-041921-Dup	SVOCs	2-Fluorophenol	**0.02**	13-113
MW7-ROX-041921-Dup	SVOCs	Phenol-d_5	**15**	17-127
MB 400-528836/1-A	SVOCs	2-Fluorophenol	**10**	13-113
LCS 400-528836/4-A	SVOCs	2,4,6-Tribromophenol	**18**	26-150
LCSD 400-528836/3-A	PAHs	Nitrobenzene-d_5	**134**	19-130

Analytical data that required qualification based on surrogate data are included in the table below. Qualifications due to surrogate recoveries were not required if only one of three acid SVOC surrogate recoveries were outside evaluation criteria in sample MW14-ROX-040921.

Sample ID	Parameter	Analyte	Qualification
MW7-ROX-041921-Dup	SVOCs	Benzoic acid	**UJ**
MW7-ROX-041921-Dup	SVOCs	Benzyl alcohol	**UJ**
MW7-ROX-041921-Dup	SVOCs	4-Chloro-3-methylphenol	**UJ**
MW7-ROX-041921-Dup	SVOCs	2,4-Dichlorophenol	**UJ**
MW7-ROX-041921-Dup	SVOCs	2,4-Dimethylphenol	**UJ**
MW7-ROX-041921-Dup	SVOCs	2,4-Dinitrophenol	**UJ**
MW7-ROX-041921-Dup	SVOCs	2-Methylphenol	**UJ**
MW7-ROX-041921-Dup	SVOCs	3&4-Methylphenol	**J**
MW7-ROX-041921-Dup	SVOCs	2-Nitrophenol	**UJ**
MW7-ROX-041921-Dup	SVOCs	4-Nitrophenol	**UJ**
MW7-ROX-041921-Dup	SVOCs	Pentachlorophenol	**UJ**
MW7-ROX-041921-Dup	SVOCs	Phenol	**J**
MW7-ROX-041921-Dup	SVOCs	2,4,5-Trichlorophenol	**UJ**
MW7-ROX-041921-Dup	SVOCs	2,4,6-Trichlorophenol	**UJ**

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

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

Yes, although not requested, equipment blank MW4-ROX-041921-EB 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
MW4-ROX-041921-EB	VOCs	2-Chloroethyl vinyl ether	**0/0**	**NC**	10-150/50
MW4-ROX-041921-EB	VOCs	Methyl tert-butyl ether	136/**148**	8	59-137/30
MW4-ROX-041921-EB	VOCs	Vinyl acetate	136/**162**	17	26-150/33

Equipment blanks are quality control samples and do not require qualification; no qualification of data was required.

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
MW7-ROX-041921	MW7-ROX-041921-Dup

Were field duplicates within evaluation criteria?

No

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
MW7-ROX-041921	MW7-ROX-041921-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, with the exception of VOCs in sample MW8-ROX-041921 and field duplicate pair MW7-ROX-041921/MW7-ROX-041921-Dup, due to the nature of the sample matrix. VOCs were non-detect at a dilution factor of 1000X, with raised reporting limits of between 1,000 and 25,000 µg/L. Due to historical VOC detections, please see section 12.0 of the data review for additional qualifications.

12.0 Additional Qualifications

Were additional qualifications applied?

Yes, VOCs in sample MW8-ROX-041921 and field duplicate pair MW7-ROX-041921/MW7-ROX-041921-Dup were qualified as estimated non-detect due to sample dilution and historical detections.

Sample ID	Parameter	Analyte	Qualification
MW8-ROX-041921	VOCs	All non-detects	**UJ**
MW7-ROX-041921	VOCs	All non-detects	**UJ**
MW7-ROX-041921-Dup	VOCs	All non-detects	**UJ**

Additionally, the continuing calibration verification for bis(2-chloroethyl) ether was outside acceptance criteria, biased low, and are qualified as summarized in the following table.

Sample ID	Parameter	Analyte	Qualification
MW4-ROX-041921	SVOCs	bis(2-Chloroethyl) ether	**UJ**
MW25-ROX-041921	SVOCs	bis(2-Chloroethyl) ether	**UJ**
MW8-ROX-041921	SVOCs	bis(2-Chloroethyl) ether	**UJ**
MW7-ROX-041921	SVOCs	bis(2-Chloroethyl) ether	**UJ**
MW7-ROX-041921-Dup	SVOCs	bis(2-Chloroethyl) ether	**UJ**

eurofins | Environment Testing America

ANALYTICAL REPORT

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

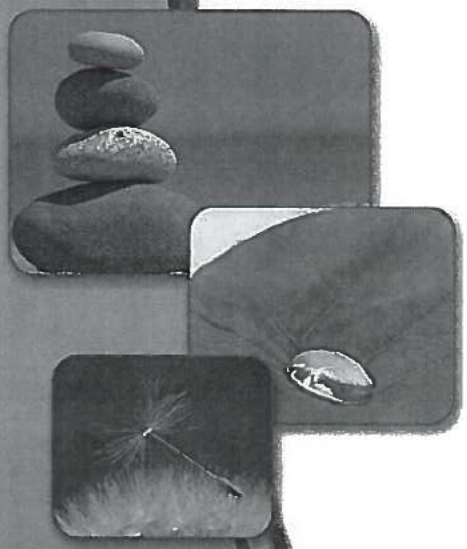
Laboratory Job ID: 400-202274-1
Client Project/Site: ROXANA QUARTERLY GW

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

Attn: Elizabeth Kunkel

Authorized for release by:
5/6/2021 3:51:16 PM

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



LINKS

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Visit us at: www.eurofinsus.com/Env

Reviewed 6/8/2021 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: 400-202274-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-202274-1

Comments
No additional comments.

Receipt
The samples were received on 4/20/2021 9:40 AM. Unless otherwise noted below, 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 1.2° C.

GC/MS VOA
Method 8260B: The continuing calibration verification (CCV) associated with batch 400-529947 recovered above the upper control limit for 1,1-Dichloroethene, Chloroform and Hexachlorobutadiene. 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 400-529947 recovered outside control limits for the following analytes: Hexachlorobutadiene. 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 some of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: TB-ROX-041921-8260 (400-202274-1), MW4-ROX-041921-EB (400-202274-3), MW4-ROX-041921 (400-202274-4), MW25-ROX-041921 (400-202274-5), MW8-ROX-041921 (400-202274-6), MW7-ROX-041921 (400-202274-7) and MW7-ROX-041921-DUP (400-202274-8). The requested target analyte list includes 2-chloroethyl vinyl ether, Acrolein and Acrylonitrile, which are acid-labile compounds that degrade in an acidic medium.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-529947 were outside control limits for 2-Chloroethyl vinyl ether due to the acidic nature of the parent sample.

Method 8260B: The RPD for the matrix spike / matrix spike duplicate (MS/MSD) for 2-Chloroethyl vinyl ether was not calculable for analytical batch 400-529947 because the recoveries were below the reporting limit due to the acidic nature of the parent sample.

Method 8260B: The matrix spike duplicate (MSD) recoveries for analytical batch 400-529947 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 following samples were diluted to bring the concentration of target analytes within the calibration range: MW8-ROX-041921 (400-202274-6), MW7-ROX-041921 (400-202274-7) and MW7-ROX-041921-DUP (400-202274-8). Elevated reporting limits (RLs) are provided.

Method 8260B: The initial calibration verification (ICV) analyzed in batch 400-504636 was outside method criteria for the following analyte(s): Dichlorodifluoromethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 400-528836 and analytical batch 400-529206 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 400-528836 and analytical batch 400-529206 recovered outside control limits for the following analytes: Benzenethiol.

Method 8270D: The continuing calibration verification (CCV) associated with batch 400-529302 recovered above the upper control limit for

Job ID: 400-202274-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

4,6-Dinitro-2-methylphenol. 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 400-529302 recovered outside acceptance criteria, low biased, for Bis(2-chloroethyl)ether. 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 samples contained an allowable number of surrogate compounds outside limits: (LCS 400-528836/4-A) and (MB 400-528836/1-A). 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 sample contained an allowable number of surrogate compounds outside limits: MW4-ROX-041921-EB (400-202274-3). These results have been reported and qualified.

Method 8270D: Surrogate recovery for the following sample was outside control limits: MW7-ROX-041921-DUP (400-202274-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270D LL: Three 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: MW4-ROX-041921 (400-202274-4) and (LCSD 400-528836/3-A). These results have been reported and qualified.

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 400-529420 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane and Ethylene Dibromide. 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: 400-202274-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-202274-1	TB-ROX-041921-8260	Water	04/19/21 00:00	04/20/21 09:40	
400-202274-2	TB-ROX-041921-8011	Water	04/19/21 00:00	04/20/21 09:40	
400-202274-3	MW4-ROX-041921-EB	Water	04/19/21 08:20	04/20/21 09:40	
400-202274-4	MW4-ROX-041921	Water	04/19/21 09:20	04/20/21 09:40	
400-202274-5	MW25-ROX-041921	Water	04/19/21 10:05	04/20/21 09:40	
400-202274-6	MW8-ROX-041921	Water	04/19/21 12:25	04/20/21 09:40	
400-202274-7	MW7-ROX-041921	Water	04/19/21 13:20	04/20/21 09:40	
400-202274-8	MW7-ROX-041921-DUP	Water	04/19/21 13:20	04/20/21 09:40	

Detection Summary

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

Job ID: 400-202274-1

Client Sample ID: TB-ROX-041921-8260 — Lab Sample ID: 400-202274-1

No Detections.

Client Sample ID: TB-ROX-041921-8011 — Lab Sample ID: 400-202274-2

No Detections.

Client Sample ID: MW4-ROX-041921-EB — Lab Sample ID: 400-202274-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.058	J	0.21	0.034	ug/L	1		8270D LL	Total/NA
Phenanthrene	0.067	J	0.21	0.038	ug/L	1		8270D LL	Total/NA
Pyrene	0.065	J	0.21	0.043	ug/L	1		8270D LL	Total/NA
Pyridine	5.5	J	11	3.4	ug/L	1		8270D	Total/NA

Client Sample ID: MW4-ROX-041921 — Lab Sample ID: 400-202274-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.59	J	1.0	0.38	ug/L	1		8260B	Total/NA
Methyl tert-butyl ether	2.1		1.0	0.74	ug/L	1		8260B	Total/NA
1-Methylnaphthalene	0.14	J	0.21	0.078	ug/L	1		8270D LL	Total/NA
Pyrene	0.057	J	0.21	0.042	ug/L	1		8270D LL	Total/NA
Diethyl phthalate	0.61	J	10	0.25	ug/L	1		8270D	Total/NA

Client Sample ID: MW25-ROX-041921 — Lab Sample ID: 400-202274-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	32		1.0	0.38	ug/L	1		8260B	Total/NA
Diethyl phthalate	0.54	J	10	0.25	ug/L	1		8270D	Total/NA

Client Sample ID: MW8-ROX-041921 — Lab Sample ID: 400-202274-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene - DL	290000		2000	760	ug/L	2000		8260B	Total/NA
1-Methylnaphthalene	8.4		0.21	0.079	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	2.7		0.21	0.064	ug/L	1		8270D LL	Total/NA
3 & 4 Methylphenol	0.74	J	21	0.41	ug/L	1		8270D	Total/NA
Phenol	290		11	2.8	ug/L	1		8270D	Total/NA

Client Sample ID: MW7-ROX-041921 — Lab Sample ID: 400-202274-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene - DL	640000		5000	1900	ug/L	5000		8260B	Total/NA
1-Methylnaphthalene	1.6		0.21	0.077	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	2.4		0.21	0.063	ug/L	1		8270D LL	Total/NA
Diethyl phthalate	1.3	J	10	0.25	ug/L	1		8270D	Total/NA
3 & 4 Methylphenol	2.0	J	21	0.41	ug/L	1		8270D	Total/NA
Phenol	110		10	2.7	ug/L	1		8270D	Total/NA

Client Sample ID: MW7-ROX-041921-DUP — Lab Sample ID: 400-202274-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene - DL	530000		5000	1900	ug/L	5000		8260B	Total/NA
1-Methylnaphthalene	1.6		0.21	0.077	ug/L	1		8270D LL	Total/NA
2-Methylnaphthalene	2.3		0.21	0.062	ug/L	1		8270D LL	Total/NA
3 & 4 Methylphenol	0.90	J	21	0.41	ug/L	1		8270D	Total/NA
Phenol	19		10	2.7	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TB-ROX-041921-8260

Date Collected: 04/19/21 00:00
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-1

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			05/01/21 15:44	1
Acrolein	ND		20	10	ug/L			05/01/21 15:44	1
Acrylonitrile	ND		10	2.8	ug/L			05/01/21 15:44	1
Benzene	ND		1.0	0.38	ug/L			05/01/21 15:44	1
Bromobenzene	ND		1.0	0.54	ug/L			05/01/21 15:44	1
Bromochloromethane	ND		1.0	0.52	ug/L			05/01/21 15:44	1
Bromodichloromethane	ND		1.0	0.50	ug/L			05/01/21 15:44	1
Bromoform	ND		5.0	0.71	ug/L			05/01/21 15:44	1
Bromomethane	ND		1.0	0.98	ug/L			05/01/21 15:44	1
2-Butanone (MEK)	ND		25	2.6	ug/L			05/01/21 15:44	1
Carbon disulfide	ND		1.0	0.50	ug/L			05/01/21 15:44	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			05/01/21 15:44	1
Chlorobenzene	ND		1.0	0.50	ug/L			05/01/21 15:44	1
Dibromochloromethane	ND		1.0	0.50	ug/L			05/01/21 15:44	1
Chloroethane	ND		1.0	0.76	ug/L			05/01/21 15:44	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			05/01/21 15:44	1
Chloroform	ND		1.0	0.60	ug/L			05/01/21 15:44	1
1-Chlorohexane	ND		1.0	0.70	ug/L			05/01/21 15:44	1
Chloromethane	ND		1.0	0.83	ug/L			05/01/21 15:44	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/01/21 15:44	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/01/21 15:44	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			05/01/21 15:44	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			05/01/21 15:44	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			05/01/21 15:44	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			05/01/21 15:44	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			05/01/21 15:44	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			05/01/21 15:44	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			05/01/21 15:44	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/21 15:44	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			05/01/21 15:44	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/21 15:44	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			05/01/21 15:44	1
Ethylbenzene	ND		1.0	0.50	ug/L			05/01/21 15:44	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			05/01/21 15:44	1
Hexachlorobutadiene	ND	*+	5.0	0.90	ug/L			05/01/21 15:44	1
2-Hexanone	ND		25	3.1	ug/L			05/01/21 15:44	1
Isopropylbenzene	ND		1.0	0.53	ug/L			05/01/21 15:44	1
Methylene bromide	ND		5.0	0.59	ug/L			05/01/21 15:44	1
Methylene Chloride	ND		5.0	3.0	ug/L			05/01/21 15:44	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			05/01/21 15:44	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			05/01/21 15:44	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			05/01/21 15:44	1
Naphthalene	ND		1.0	1.0	ug/L			05/01/21 15:44	1
n-Butylbenzene	ND		1.0	0.76	ug/L			05/01/21 15:44	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/01/21 15:44	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			05/01/21 15:44	1
o-Xylene	ND		5.0	0.60	ug/L			05/01/21 15:44	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			05/01/21 15:44	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			05/01/21 15:44	1

Client Sample ID: TB-ROX-041921-8260
Date Collected: 04/19/21 00:00
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-1
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			05/01/21 15:44	1
Styrene	ND		1.0	1.0	ug/L			05/01/21 15:44	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			05/01/21 15:44	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			05/01/21 15:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			05/01/21 15:44	1
Tetrachloroethene	ND		1.0	0.58	ug/L			05/01/21 15:44	1
Toluene	ND		1.0	0.41	ug/L			05/01/21 15:44	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/01/21 15:44	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/01/21 15:44	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			05/01/21 15:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			05/01/21 15:44	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			05/01/21 15:44	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			05/01/21 15:44	1
Trichloroethene	ND		1.0	0.50	ug/L			05/01/21 15:44	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			05/01/21 15:44	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			05/01/21 15:44	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			05/01/21 15:44	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			05/01/21 15:44	1
Vinyl acetate	ND		25	2.0	ug/L			05/01/21 15:44	1
Vinyl chloride	ND		1.0	0.50	ug/L			05/01/21 15:44	1
Xylenes, Total	ND		10	1.6	ug/L			05/01/21 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*78 - 118*		*05/01/21 15:44*	*1*
Dibromofluoromethane	*108*		*81 - 121*		*05/01/21 15:44*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/01/21 15:44*	*1*

Client Sample Results

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

Job ID: 400-202274-1

Client Sample ID: TB-ROX-041921-8011
Date Collected: 04/19/21 00:00
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-2
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		04/27/21 10:52	04/28/21 11:43	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/27/21 10:52	04/28/21 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*117*	*p*	*51 - 149*	*04/27/21 10:52*	*04/28/21 11:43*	*1*

Client Sample ID: MW4-ROX-041921-EB

Date Collected: 04/19/21 08:20
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-3
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			05/01/21 10:55	1
Acrolein	ND		20	10	ug/L			05/01/21 10:55	1
Acrylonitrile	ND		10	2.8	ug/L			05/01/21 10:55	1
Benzene	ND		1.0	0.38	ug/L			05/01/21 10:55	1
Bromobenzene	ND		1.0	0.54	ug/L			05/01/21 10:55	1
Bromochloromethane	ND		1.0	0.52	ug/L			05/01/21 10:55	1
Bromodichloromethane	ND		1.0	0.50	ug/L			05/01/21 10:55	1
Bromoform	ND		5.0	0.71	ug/L			05/01/21 10:55	1
Bromomethane	ND		1.0	0.98	ug/L			05/01/21 10:55	1
2-Butanone (MEK)	ND		25	2.6	ug/L			05/01/21 10:55	1
Carbon disulfide	ND		1.0	0.50	ug/L			05/01/21 10:55	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			05/01/21 10:55	1
Chlorobenzene	ND		1.0	0.50	ug/L			05/01/21 10:55	1
Dibromochloromethane	ND		1.0	0.50	ug/L			05/01/21 10:55	1
Chloroethane	ND		1.0	0.76	ug/L			05/01/21 10:55	1
2-Chloroethyl vinyl ether	ND	F1	5.0	2.0	ug/L			05/01/21 10:55	1
Chloroform	ND		1.0	0.60	ug/L			05/01/21 10:55	1
1-Chlorohexane	ND		1.0	0.70	ug/L			05/01/21 10:55	1
Chloromethane	ND		1.0	0.83	ug/L			05/01/21 10:55	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/01/21 10:55	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/01/21 10:55	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			05/01/21 10:55	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			05/01/21 10:55	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			05/01/21 10:55	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			05/01/21 10:55	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			05/01/21 10:55	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			05/01/21 10:55	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			05/01/21 10:55	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/21 10:55	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			05/01/21 10:55	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/21 10:55	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			05/01/21 10:55	1
Ethylbenzene	ND		1.0	0.50	ug/L			05/01/21 10:55	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			05/01/21 10:55	1
Hexachlorobutadiene	ND	*+	5.0	0.90	ug/L			05/01/21 10:55	1
2-Hexanone	ND		25	3.1	ug/L			05/01/21 10:55	1
Isopropylbenzene	ND		1.0	0.53	ug/L			05/01/21 10:55	1
Methylene bromide	ND		5.0	0.59	ug/L			05/01/21 10:55	1
Methylene Chloride	ND		5.0	3.0	ug/L			05/01/21 10:55	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			05/01/21 10:55	1
Methyl tert-butyl ether	ND	F1	1.0	0.74	ug/L			05/01/21 10:55	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			05/01/21 10:55	1
Naphthalene	ND		1.0	1.0	ug/L			05/01/21 10:55	1
n-Butylbenzene	ND		1.0	0.76	ug/L			05/01/21 10:55	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/01/21 10:55	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			05/01/21 10:55	1
o-Xylene	ND		5.0	0.60	ug/L			05/01/21 10:55	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			05/01/21 10:55	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			05/01/21 10:55	1

Client Sample ID: MW4-ROX-041921-EB

Date Collected: 04/19/21 08:20
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-3

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			05/01/21 10:55	1
Styrene	ND		1.0	1.0	ug/L			05/01/21 10:55	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			05/01/21 10:55	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			05/01/21 10:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			05/01/21 10:55	1
Tetrachloroethene	ND		1.0	0.58	ug/L			05/01/21 10:55	1
Toluene	ND		1.0	0.41	ug/L			05/01/21 10:55	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/01/21 10:55	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/01/21 10:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			05/01/21 10:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			05/01/21 10:55	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			05/01/21 10:55	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			05/01/21 10:55	1
Trichloroethene	ND		1.0	0.50	ug/L			05/01/21 10:55	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			05/01/21 10:55	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			05/01/21 10:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			05/01/21 10:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			05/01/21 10:55	1
Vinyl acetate	ND	F1	25	2.0	ug/L			05/01/21 10:55	1
Vinyl chloride	ND		1.0	0.50	ug/L			05/01/21 10:55	1
Xylenes, Total	ND		10	1.6	ug/L			05/01/21 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*05/01/21 10:55*	*1*
Dibromofluoromethane	*109*		*81 - 121*		*05/01/21 10:55*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/01/21 10:55*	*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		04/23/21 09:52	04/26/21 17:42	1
Acenaphthylene	ND		0.21	0.048	ug/L		04/23/21 09:52	04/26/21 17:42	1
Anthracene	0.058	J	0.21	0.034	ug/L		04/23/21 09:52	04/26/21 17:42	1
Benzo[a]anthracene	ND		0.21	0.049	ug/L		04/23/21 09:52	04/26/21 17:42	1
Benzo[a]pyrene	ND		0.21	0.045	ug/L		04/23/21 09:52	04/26/21 17:42	1
Benzo[b]fluoranthene	ND		0.21	0.036	ug/L		04/23/21 09:52	04/26/21 17:42	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		04/23/21 09:52	04/26/21 17:42	1
Benzo[k]fluoranthene	ND		0.21	0.11	ug/L		04/23/21 09:52	04/26/21 17:42	1
Chrysene	ND		0.21	0.079	ug/L		04/23/21 09:52	04/26/21 17:42	1
Dibenz(a,h)anthracene	ND		0.21	0.053	ug/L		04/23/21 09:52	04/26/21 17:42	1
Fluoranthene	ND		0.21	0.072	ug/L		04/23/21 09:52	04/26/21 17:42	1
Fluorene	ND		0.21	0.12	ug/L		04/23/21 09:52	04/26/21 17:42	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.046	ug/L		04/23/21 09:52	04/26/21 17:42	1
1-Methylnaphthalene	ND		0.21	0.079	ug/L		04/23/21 09:52	04/26/21 17:42	1
2-Methylnaphthalene	ND		0.21	0.064	ug/L		04/23/21 09:52	04/26/21 17:42	1
Phenanthrene	0.067	J	0.21	0.038	ug/L		04/23/21 09:52	04/26/21 17:42	1
Pyrene	0.065	J	0.21	0.043	ug/L		04/23/21 09:52	04/26/21 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*15 - 122*	*04/23/21 09:52*	*04/26/21 17:42*	*1*
Nitrobenzene-d5	*33*		*19 - 130*	*04/23/21 09:52*	*04/26/21 17:42*	*1*

Client Sample ID: MW4-ROX-041921-EB

Date Collected: 04/19/21 08:20
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-3

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*96*		*33 - 138*	*04/23/21 09:52*	*04/26/21 17:42*	*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		04/23/21 09:52	04/27/21 10:18	1
Benzenethiol	ND	*- *1	11	1.8	ug/L		04/23/21 09:52	04/27/21 10:18	1
Benzoic acid	ND		32	7.8	ug/L		04/23/21 09:52	04/27/21 10:18	1
Benzyl alcohol	ND		11	2.1	ug/L		04/23/21 09:52	04/27/21 10:18	1
Bis(2-chloroethoxy)methane	ND		11	0.17	ug/L		04/23/21 09:52	04/27/21 10:18	1
Bis(2-chloroethyl)ether	ND		11	2.9	ug/L		04/23/21 09:52	04/27/21 10:18	1
bis (2-chloroisopropyl) ether	ND		11	0.17	ug/L		04/23/21 09:52	04/27/21 10:18	1
Bis(2-ethylhexyl) phthalate	ND		11	5.3	ug/L		04/23/21 09:52	04/27/21 10:18	1
4-Bromophenyl phenyl ether	ND		11	0.21	ug/L		04/23/21 09:52	04/27/21 10:18	1
Butyl benzyl phthalate	ND		11	0.20	ug/L		04/23/21 09:52	04/27/21 10:18	1
4-Chloroaniline	ND		11	3.6	ug/L		04/23/21 09:52	04/27/21 10:18	1
4-Chloro-3-methylphenol	ND		11	4.0	ug/L		04/23/21 09:52	04/27/21 10:18	1
2-Chloronaphthalene	ND		11	0.15	ug/L		04/23/21 09:52	04/27/21 10:18	1
2-Chlorophenol	ND		11	2.3	ug/L		04/23/21 09:52	04/27/21 10:18	1
4-Chlorophenyl phenyl ether	ND		11	2.1	ug/L		04/23/21 09:52	04/27/21 10:18	1
Dibenz[a,h]acridine	ND		11	1.1	ug/L		04/23/21 09:52	04/27/21 10:18	1
Dibenzofuran	ND		11	0.18	ug/L		04/23/21 09:52	04/27/21 10:18	1
3,3'-Dichlorobenzidine	ND		11	2.8	ug/L		04/23/21 09:52	04/27/21 10:18	1
2,4-Dichlorophenol	ND		11	3.2	ug/L		04/23/21 09:52	04/27/21 10:18	1
Diethyl phthalate	ND		11	0.26	ug/L		04/23/21 09:52	04/27/21 10:18	1
2,4-Dimethylphenol	ND		11	3.7	ug/L		04/23/21 09:52	04/27/21 10:18	1
Dimethyl phthalate	ND		11	0.18	ug/L		04/23/21 09:52	04/27/21 10:18	1
Di-n-butyl phthalate	ND		11	2.9	ug/L		04/23/21 09:52	04/27/21 10:18	1
4,6-Dinitro-ortho-cresol	ND		11	1.7	ug/L		04/23/21 09:52	04/27/21 10:18	1
2,4-Dinitrophenol	ND		32	3.6	ug/L		04/23/21 09:52	04/27/21 10:18	1
2,4-Dinitrotoluene	ND		11	2.0	ug/L		04/23/21 09:52	04/27/21 10:18	1
2,6-Dinitrotoluene	ND		11	2.0	ug/L		04/23/21 09:52	04/27/21 10:18	1
Di-n-octyl phthalate	ND		11	0.18	ug/L		04/23/21 09:52	04/27/21 10:18	1
1,4-Dioxane	ND		11	1.1	ug/L		04/23/21 09:52	04/27/21 10:18	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		11	1.1	ug/L		04/23/21 09:52	04/27/21 10:18	1
Hexachlorobenzene	ND		11	0.18	ug/L		04/23/21 09:52	04/27/21 10:18	1
Hexachlorocyclopentadiene	ND		21	2.8	ug/L		04/23/21 09:52	04/27/21 10:18	1
Hexachloroethane	ND		11	4.5	ug/L		04/23/21 09:52	04/27/21 10:18	1
Indene	ND		11	1.1	ug/L		04/23/21 09:52	04/27/21 10:18	1
Isophorone	ND		11	0.15	ug/L		04/23/21 09:52	04/27/21 10:18	1
2-Methylphenol	ND		11	1.9	ug/L		04/23/21 09:52	04/27/21 10:18	1
3 & 4 Methylphenol	ND		21	0.42	ug/L		04/23/21 09:52	04/27/21 10:18	1
2-Nitroaniline	ND		11	2.3	ug/L		04/23/21 09:52	04/27/21 10:18	1
3-Nitroaniline	ND		11	1.9	ug/L		04/23/21 09:52	04/27/21 10:18	1
4-Nitroaniline	ND		11	1.6	ug/L		04/23/21 09:52	04/27/21 10:18	1
Nitrobenzene	ND		11	0.14	ug/L		04/23/21 09:52	04/27/21 10:18	1
2-Nitrophenol	ND		11	5.5	ug/L		04/23/21 09:52	04/27/21 10:18	1
4-Nitrophenol	ND		11	2.2	ug/L		04/23/21 09:52	04/27/21 10:18	1
N-Nitrosodimethylamine	ND		11	3.7	ug/L		04/23/21 09:52	04/27/21 10:18	1

Client Sample ID: MW4-ROX-041921-EB
Date Collected: 04/19/21 08:20
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-3
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		11	3.5	ug/L		04/23/21 09:52	04/27/21 10:18	1
N-Nitrosodiphenylamine	ND		11	0.19	ug/L		04/23/21 09:52	04/27/21 10:18	1
Pentachlorophenol	ND		21	1.5	ug/L		04/23/21 09:52	04/27/21 10:18	1
Phenol	ND		11	2.8	ug/L		04/23/21 09:52	04/27/21 10:18	1
Pyridine	5.5	J	11	3.4	ug/L		04/23/21 09:52	04/27/21 10:18	1
Quinoline	ND		11	4.8	ug/L		04/23/21 09:52	04/27/21 10:18	1
2,4,5-Trichlorophenol	ND		11	3.9	ug/L		04/23/21 09:52	04/27/21 10:18	1
2,4,6-Trichlorophenol	ND		11	3.7	ug/L		04/23/21 09:52	04/27/21 10:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*46 - 124*	*04/23/21 09:52*	*04/27/21 10:18*	*1*
2-Fluorophenol	*7*	*S1-*	*13 - 113*	*04/23/21 09:52*	*04/27/21 10:18*	*1*
Nitrobenzene-d5	*68*		*36 - 126*	*04/23/21 09:52*	*04/27/21 10:18*	*1*
Phenol-d5	*27*		*17 - 127*	*04/23/21 09:52*	*04/27/21 10:18*	*1*
Terphenyl-d14	*98*		*44 - 149*	*04/23/21 09:52*	*04/27/21 10:18*	*1*
2,4,6-Tribromophenol	*55*		*26 - 150*	*04/23/21 09:52*	*04/27/21 10:18*	*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		0.030	0.0055	ug/L		04/27/21 10:52	04/28/21 12:03	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/27/21 10:52	04/28/21 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*115*	*p*	*51 - 149*	*04/27/21 10:52*	*04/28/21 12:03*	*1*

Client Sample ID: MW4-ROX-041921

Date Collected: 04/19/21 09:20
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-4

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			05/01/21 16:12	1
Acrolein	ND		20	10	ug/L			05/01/21 16:12	1
Acrylonitrile	ND		10	2.8	ug/L			05/01/21 16:12	1
Benzene	0.59	J	1.0	0.38	ug/L			05/01/21 16:12	1
Bromobenzene	ND		1.0	0.54	ug/L			05/01/21 16:12	1
Bromochloromethane	ND		1.0	0.52	ug/L			05/01/21 16:12	1
Bromodichloromethane	ND		1.0	0.50	ug/L			05/01/21 16:12	1
Bromoform	ND		5.0	0.71	ug/L			05/01/21 16:12	1
Bromomethane	ND		1.0	0.98	ug/L			05/01/21 16:12	1
2-Butanone (MEK)	ND		25	2.6	ug/L			05/01/21 16:12	1
Carbon disulfide	ND		1.0	0.50	ug/L			05/01/21 16:12	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			05/01/21 16:12	1
Chlorobenzene	ND		1.0	0.50	ug/L			05/01/21 16:12	1
Dibromochloromethane	ND		1.0	0.50	ug/L			05/01/21 16:12	1
Chloroethane	ND		1.0	0.76	ug/L			05/01/21 16:12	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			05/01/21 16:12	1
Chloroform	ND		1.0	0.60	ug/L			05/01/21 16:12	1
1-Chlorohexane	ND		1.0	0.70	ug/L			05/01/21 16:12	1
Chloromethane	ND		1.0	0.83	ug/L			05/01/21 16:12	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/01/21 16:12	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/01/21 16:12	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			05/01/21 16:12	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			05/01/21 16:12	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			05/01/21 16:12	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			05/01/21 16:12	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			05/01/21 16:12	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			05/01/21 16:12	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			05/01/21 16:12	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/21 16:12	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			05/01/21 16:12	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/21 16:12	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			05/01/21 16:12	1
Ethylbenzene	ND		1.0	0.50	ug/L			05/01/21 16:12	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			05/01/21 16:12	1
Hexachlorobutadiene	ND	*+	5.0	0.90	ug/L			05/01/21 16:12	1
2-Hexanone	ND		25	3.1	ug/L			05/01/21 16:12	1
Isopropylbenzene	ND		1.0	0.53	ug/L			05/01/21 16:12	1
Methylene bromide	ND		5.0	0.59	ug/L			05/01/21 16:12	1
Methylene Chloride	ND		5.0	3.0	ug/L			05/01/21 16:12	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			05/01/21 16:12	1
Methyl tert-butyl ether	2.1		1.0	0.74	ug/L			05/01/21 16:12	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			05/01/21 16:12	1
Naphthalene	ND		1.0	1.0	ug/L			05/01/21 16:12	1
n-Butylbenzene	ND		1.0	0.76	ug/L			05/01/21 16:12	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/01/21 16:12	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			05/01/21 16:12	1
o-Xylene	ND		5.0	0.60	ug/L			05/01/21 16:12	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			05/01/21 16:12	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			05/01/21 16:12	1

Client Sample ID: MW4-ROX-041921
Date Collected: 04/19/21 09:20
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-4
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			05/01/21 16:12	1
Styrene	ND		1.0	1.0	ug/L			05/01/21 16:12	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			05/01/21 16:12	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			05/01/21 16:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			05/01/21 16:12	1
Tetrachloroethene	ND		1.0	0.58	ug/L			05/01/21 16:12	1
Toluene	ND		1.0	0.41	ug/L			05/01/21 16:12	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/01/21 16:12	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/01/21 16:12	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			05/01/21 16:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			05/01/21 16:12	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			05/01/21 16:12	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			05/01/21 16:12	1
Trichloroethene	ND		1.0	0.50	ug/L			05/01/21 16:12	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			05/01/21 16:12	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			05/01/21 16:12	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			05/01/21 16:12	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			05/01/21 16:12	1
Vinyl acetate	ND		25	2.0	ug/L			05/01/21 16:12	1
Vinyl chloride	ND		1.0	0.50	ug/L			05/01/21 16:12	1
Xylenes, Total	ND		10	1.6	ug/L			05/01/21 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*05/01/21 16:12*	*1*
Dibromofluoromethane	*110*		*81 - 121*		*05/01/21 16:12*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/01/21 16:12*	*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		04/23/21 09:52	04/26/21 17:58	1
Acenaphthylene	ND		0.21	0.047	ug/L		04/23/21 09:52	04/26/21 17:58	1
Anthracene	ND		0.21	0.034	ug/L		04/23/21 09:52	04/26/21 17:58	1
Benzo[a]anthracene	ND		0.21	0.048	ug/L		04/23/21 09:52	04/26/21 17:58	1
Benzo[a]pyrene	ND		0.21	0.044	ug/L		04/23/21 09:52	04/26/21 17:58	1
Benzo[b]fluoranthene	ND		0.21	0.036	ug/L		04/23/21 09:52	04/26/21 17:58	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		04/23/21 09:52	04/26/21 17:58	1
Benzo[k]fluoranthene	ND		0.21	0.10	ug/L		04/23/21 09:52	04/26/21 17:58	1
Chrysene	ND		0.21	0.078	ug/L		04/23/21 09:52	04/26/21 17:58	1
Dibenz(a,h)anthracene	ND		0.21	0.052	ug/L		04/23/21 09:52	04/26/21 17:58	1
Fluoranthene	ND		0.21	0.071	ug/L		04/23/21 09:52	04/26/21 17:58	1
Fluorene	ND		0.21	0.12	ug/L		04/23/21 09:52	04/26/21 17:58	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.045	ug/L		04/23/21 09:52	04/26/21 17:58	1
1-Methylnaphthalene	**0.14**	J	0.21	0.078	ug/L		04/23/21 09:52	04/26/21 17:58	1
2-Methylnaphthalene	ND		0.21	0.063	ug/L		04/23/21 09:52	04/26/21 17:58	1
Phenanthrene	ND		0.21	0.038	ug/L		04/23/21 09:52	04/26/21 17:58	1
Pyrene	~~0.057~~	J U	0.21	0.042	ug/L		04/23/21 09:52	04/26/21 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*15 - 122*	*04/23/21 09:52*	*04/26/21 17:58*	*1*
Nitrobenzene-d5	*0.7*	*S1-*	*19 - 130*	*04/23/21 09:52*	*04/26/21 17:58*	*1*

Client Sample ID: MW4-ROX-041921
Date Collected: 04/19/21 09:20
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-4
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*	*04/23/21 09:52*	*04/26/21 17:58*	*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		04/23/21 09:52	04/27/21 10:39	1
Benzenethiol	ND	*-*1 UJ	10	1.8	ug/L		04/23/21 09:52	04/27/21 10:39	1
Benzoic acid	ND		31	7.7	ug/L		04/23/21 09:52	04/27/21 10:39	1
Benzyl alcohol	ND		10	2.1	ug/L		04/23/21 09:52	04/27/21 10:39	1
Bis(2-chloroethoxy)methane	ND		10	0.17	ug/L		04/23/21 09:52	04/27/21 10:39	1
Bis(2-chloroethyl)ether	ND	UJ	10	2.8	ug/L		04/23/21 09:52	04/27/21 10:39	1
bis (2-chloroisopropyl) ether	ND		10	0.17	ug/L		04/23/21 09:52	04/27/21 10:39	1
Bis(2-ethylhexyl) phthalate	ND		10	5.2	ug/L		04/23/21 09:52	04/27/21 10:39	1
4-Bromophenyl phenyl ether	ND		10	0.21	ug/L		04/23/21 09:52	04/27/21 10:39	1
Butyl benzyl phthalate	ND		10	0.20	ug/L		04/23/21 09:52	04/27/21 10:39	1
4-Chloroaniline	ND		10	3.6	ug/L		04/23/21 09:52	04/27/21 10:39	1
4-Chloro-3-methylphenol	ND		10	4.0	ug/L		04/23/21 09:52	04/27/21 10:39	1
2-Chloronaphthalene	ND		10	0.15	ug/L		04/23/21 09:52	04/27/21 10:39	1
2-Chlorophenol	ND		10	2.3	ug/L		04/23/21 09:52	04/27/21 10:39	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		04/23/21 09:52	04/27/21 10:39	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/23/21 09:52	04/27/21 10:39	1
Dibenzofuran	ND		10	0.18	ug/L		04/23/21 09:52	04/27/21 10:39	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		04/23/21 09:52	04/27/21 10:39	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		04/23/21 09:52	04/27/21 10:39	1
Diethyl phthalate	**0.61**	**J**	10	0.25	ug/L		04/23/21 09:52	04/27/21 10:39	1
2,4-Dimethylphenol	ND		10	3.7	ug/L		04/23/21 09:52	04/27/21 10:39	1
Dimethyl phthalate	ND		10	0.18	ug/L		04/23/21 09:52	04/27/21 10:39	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		04/23/21 09:52	04/27/21 10:39	1
4,6-Dinitro-ortho-cresol	ND		10	1.7	ug/L		04/23/21 09:52	04/27/21 10:39	1
2,4-Dinitrophenol	ND		31	3.6	ug/L		04/23/21 09:52	04/27/21 10:39	1
2,4-Dinitrotoluene	ND		10	2.0	ug/L		04/23/21 09:52	04/27/21 10:39	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		04/23/21 09:52	04/27/21 10:39	1
Di-n-octyl phthalate	ND		10	0.18	ug/L		04/23/21 09:52	04/27/21 10:39	1
1,4-Dioxane	ND		10	1.0	ug/L		04/23/21 09:52	04/27/21 10:39	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/23/21 09:52	04/27/21 10:39	1
Hexachlorobenzene	ND		10	0.18	ug/L		04/23/21 09:52	04/27/21 10:39	1
Hexachlorocyclopentadiene	ND		21	2.7	ug/L		04/23/21 09:52	04/27/21 10:39	1
Hexachloroethane	ND		10	4.4	ug/L		04/23/21 09:52	04/27/21 10:39	1
Indene	ND		10	1.0	ug/L		04/23/21 09:52	04/27/21 10:39	1
Isophorone	ND		10	0.15	ug/L		04/23/21 09:52	04/27/21 10:39	1
2-Methylphenol	ND		10	1.9	ug/L		04/23/21 09:52	04/27/21 10:39	1
3 & 4 Methylphenol	ND		21	0.41	ug/L		04/23/21 09:52	04/27/21 10:39	1
2-Nitroaniline	ND		10	2.3	ug/L		04/23/21 09:52	04/27/21 10:39	1
3-Nitroaniline	ND		10	1.9	ug/L		04/23/21 09:52	04/27/21 10:39	1
4-Nitroaniline	ND		10	1.6	ug/L		04/23/21 09:52	04/27/21 10:39	1
Nitrobenzene	ND		10	0.14	ug/L		04/23/21 09:52	04/27/21 10:39	1
2-Nitrophenol	ND		10	5.5	ug/L		04/23/21 09:52	04/27/21 10:39	1
4-Nitrophenol	ND		10	2.2	ug/L		04/23/21 09:52	04/27/21 10:39	1
N-Nitrosodimethylamine	ND		10	3.7	ug/L		04/23/21 09:52	04/27/21 10:39	1

Client Sample ID: MW4-ROX-041921
Date Collected: 04/19/21 09:20
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-4
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	3.5	ug/L		04/23/21 09:52	04/27/21 10:39	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/23/21 09:52	04/27/21 10:39	1
Pentachlorophenol	ND		21	1.5	ug/L		04/23/21 09:52	04/27/21 10:39	1
Phenol	ND		10	2.7	ug/L		04/23/21 09:52	04/27/21 10:39	1
Pyridine	ND		10	3.4	ug/L		04/23/21 09:52	04/27/21 10:39	1
Quinoline	ND		10	4.7	ug/L		04/23/21 09:52	04/27/21 10:39	1
2,4,5-Trichlorophenol	ND		10	3.9	ug/L		04/23/21 09:52	04/27/21 10:39	1
2,4,6-Trichlorophenol	ND		10	3.7	ug/L		04/23/21 09:52	04/27/21 10:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*46 - 124*	*04/23/21 09:52*	*04/27/21 10:39*	*1*
2-Fluorophenol	*13*		*13 - 113*	*04/23/21 09:52*	*04/27/21 10:39*	*1*
Nitrobenzene-d5	*65*		*36 - 126*	*04/23/21 09:52*	*04/27/21 10:39*	*1*
Phenol-d5	*37*		*17 - 127*	*04/23/21 09:52*	*04/27/21 10:39*	*1*
Terphenyl-d14	*81*		*44 - 149*	*04/23/21 09:52*	*04/27/21 10:39*	*1*
2,4,6-Tribromophenol	*77*		*26 - 150*	*04/23/21 09:52*	*04/27/21 10:39*	*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		0.030	0.0056	ug/L		04/27/21 10:52	04/28/21 12:23	1
1,2-Dibromoethane	ND		0.020	0.0051	ug/L		04/27/21 10:52	04/28/21 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*124*	*p*	*51 - 149*	*04/27/21 10:52*	*04/28/21 12:23*	*1*

Client Sample ID: MW25-ROX-041921

Date Collected: 04/19/21 10:05
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-5

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			05/01/21 16:39	1
Acrolein	ND		20	10	ug/L			05/01/21 16:39	1
Acrylonitrile	ND		10	2.8	ug/L			05/01/21 16:39	1
Benzene	32		1.0	0.38	ug/L			05/01/21 16:39	1
Bromobenzene	ND		1.0	0.54	ug/L			05/01/21 16:39	1
Bromochloromethane	ND		1.0	0.52	ug/L			05/01/21 16:39	1
Bromodichloromethane	ND		1.0	0.50	ug/L			05/01/21 16:39	1
Bromoform	ND		5.0	0.71	ug/L			05/01/21 16:39	1
Bromomethane	ND		1.0	0.98	ug/L			05/01/21 16:39	1
2-Butanone (MEK)	ND		25	2.6	ug/L			05/01/21 16:39	1
Carbon disulfide	ND		1.0	0.50	ug/L			05/01/21 16:39	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			05/01/21 16:39	1
Chlorobenzene	ND		1.0	0.50	ug/L			05/01/21 16:39	1
Dibromochloromethane	ND		1.0	0.50	ug/L			05/01/21 16:39	1
Chloroethane	ND		1.0	0.76	ug/L			05/01/21 16:39	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			05/01/21 16:39	1
Chloroform	ND		1.0	0.60	ug/L			05/01/21 16:39	1
1-Chlorohexane	ND		1.0	0.70	ug/L			05/01/21 16:39	1
Chloromethane	ND		1.0	0.83	ug/L			05/01/21 16:39	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/01/21 16:39	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/01/21 16:39	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			05/01/21 16:39	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			05/01/21 16:39	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			05/01/21 16:39	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			05/01/21 16:39	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			05/01/21 16:39	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			05/01/21 16:39	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			05/01/21 16:39	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/21 16:39	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			05/01/21 16:39	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/21 16:39	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			05/01/21 16:39	1
Ethylbenzene	ND		1.0	0.50	ug/L			05/01/21 16:39	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			05/01/21 16:39	1
Hexachlorobutadiene	ND	*+	5.0	0.90	ug/L			05/01/21 16:39	1
2-Hexanone	ND		25	3.1	ug/L			05/01/21 16:39	1
Isopropylbenzene	ND		1.0	0.53	ug/L			05/01/21 16:39	1
Methylene bromide	ND		5.0	0.59	ug/L			05/01/21 16:39	1
Methylene Chloride	ND		5.0	3.0	ug/L			05/01/21 16:39	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			05/01/21 16:39	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			05/01/21 16:39	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			05/01/21 16:39	1
Naphthalene	ND		1.0	1.0	ug/L			05/01/21 16:39	1
n-Butylbenzene	ND		1.0	0.76	ug/L			05/01/21 16:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/01/21 16:39	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			05/01/21 16:39	1
o-Xylene	ND		5.0	0.60	ug/L			05/01/21 16:39	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			05/01/21 16:39	1
p-Isopropyltoluene	ND		1.0	0.71	ug/L			05/01/21 16:39	1

Client Sample ID: MW25-ROX-041921

Date Collected: 04/19/21 10:05
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-5

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			05/01/21 16:39	1
Styrene	ND		1.0	1.0	ug/L			05/01/21 16:39	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			05/01/21 16:39	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			05/01/21 16:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			05/01/21 16:39	1
Tetrachloroethene	ND		1.0	0.58	ug/L			05/01/21 16:39	1
Toluene	ND		1.0	0.41	ug/L			05/01/21 16:39	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/01/21 16:39	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/01/21 16:39	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			05/01/21 16:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			05/01/21 16:39	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			05/01/21 16:39	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			05/01/21 16:39	1
Trichloroethene	ND		1.0	0.50	ug/L			05/01/21 16:39	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			05/01/21 16:39	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			05/01/21 16:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			05/01/21 16:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			05/01/21 16:39	1
Vinyl acetate	ND		25	2.0	ug/L			05/01/21 16:39	1
Vinyl chloride	ND		1.0	0.50	ug/L			05/01/21 16:39	1
Xylenes, Total	ND		10	1.6	ug/L			05/01/21 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*05/01/21 16:39*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*05/01/21 16:39*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*05/01/21 16:39*	*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		04/23/21 09:52	04/26/21 18:13	1
Acenaphthylene	ND		0.21	0.047	ug/L		04/23/21 09:52	04/26/21 18:13	1
Anthracene	ND		0.21	0.033	ug/L		04/23/21 09:52	04/26/21 18:13	1
Benzo[a]anthracene	ND		0.21	0.048	ug/L		04/23/21 09:52	04/26/21 18:13	1
Benzo[a]pyrene	ND		0.21	0.043	ug/L		04/23/21 09:52	04/26/21 18:13	1
Benzo[b]fluoranthene	ND		0.21	0.035	ug/L		04/23/21 09:52	04/26/21 18:13	1
Benzo[g,h,i]perylene	ND		0.21	0.13	ug/L		04/23/21 09:52	04/26/21 18:13	1
Benzo[k]fluoranthene	ND		0.21	0.10	ug/L		04/23/21 09:52	04/26/21 18:13	1
Chrysene	ND		0.21	0.077	ug/L		04/23/21 09:52	04/26/21 18:13	1
Dibenz(a,h)anthracene	ND		0.21	0.052	ug/L		04/23/21 09:52	04/26/21 18:13	1
Fluoranthene	ND		0.21	0.070	ug/L		04/23/21 09:52	04/26/21 18:13	1
Fluorene	ND		0.21	0.11	ug/L		04/23/21 09:52	04/26/21 18:13	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.045	ug/L		04/23/21 09:52	04/26/21 18:13	1
1-Methylnaphthalene	ND		0.21	0.077	ug/L		04/23/21 09:52	04/26/21 18:13	1
2-Methylnaphthalene	ND		0.21	0.062	ug/L		04/23/21 09:52	04/26/21 18:13	1
Phenanthrene	ND		0.21	0.037	ug/L		04/23/21 09:52	04/26/21 18:13	1
Pyrene	ND		0.21	0.041	ug/L		04/23/21 09:52	04/26/21 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*15 - 122*	*04/23/21 09:52*	*04/26/21 18:13*	*1*
Nitrobenzene-d5	*32*		*19 - 130*	*04/23/21 09:52*	*04/26/21 18:13*	*1*

Client Sample ID: MW25-ROX-041921

Date Collected: 04/19/21 10:05
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-5

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	04/23/21 09:52	04/26/21 18:13	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		04/23/21 09:52	04/27/21 11:00	1
Benzenethiol	ND	*-*1 UJ	10	1.8	ug/L		04/23/21 09:52	04/27/21 11:00	1
Benzoic acid	ND		31	7.6	ug/L		04/23/21 09:52	04/27/21 11:00	1
Benzyl alcohol	ND		10	2.1	ug/L		04/23/21 09:52	04/27/21 11:00	1
Bis(2-chloroethoxy)methane	ND		10	0.17	ug/L		04/23/21 09:52	04/27/21 11:00	1
Bis(2-chloroethyl)ether	ND	UJ	10	2.8	ug/L		04/23/21 09:52	04/27/21 11:00	1
bis (2-chloroisopropyl) ether	ND		10	0.17	ug/L		04/23/21 09:52	04/27/21 11:00	1
Bis(2-ethylhexyl) phthalate	ND		10	5.2	ug/L		04/23/21 09:52	04/27/21 11:00	1
4-Bromophenyl phenyl ether	ND		10	0.21	ug/L		04/23/21 09:52	04/27/21 11:00	1
Butyl benzyl phthalate	ND		10	0.20	ug/L		04/23/21 09:52	04/27/21 11:00	1
4-Chloroaniline	ND		10	3.5	ug/L		04/23/21 09:52	04/27/21 11:00	1
4-Chloro-3-methylphenol	ND		10	3.9	ug/L		04/23/21 09:52	04/27/21 11:00	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/23/21 09:52	04/27/21 11:00	1
2-Chlorophenol	ND		10	2.3	ug/L		04/23/21 09:52	04/27/21 11:00	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		04/23/21 09:52	04/27/21 11:00	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/23/21 09:52	04/27/21 11:00	1
Dibenzofuran	ND		10	0.18	ug/L		04/23/21 09:52	04/27/21 11:00	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		04/23/21 09:52	04/27/21 11:00	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		04/23/21 09:52	04/27/21 11:00	1
Diethyl phthalate	0.54	J	10	0.25	ug/L		04/23/21 09:52	04/27/21 11:00	1
2,4-Dimethylphenol	ND		10	3.6	ug/L		04/23/21 09:52	04/27/21 11:00	1
Dimethyl phthalate	ND		10	0.18	ug/L		04/23/21 09:52	04/27/21 11:00	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		04/23/21 09:52	04/27/21 11:00	1
4,6-Dinitro-ortho-cresol	ND		10	1.7	ug/L		04/23/21 09:52	04/27/21 11:00	1
2,4-Dinitrophenol	ND		31	3.5	ug/L		04/23/21 09:52	04/27/21 11:00	1
2,4-Dinitrotoluene	ND		10	2.0	ug/L		04/23/21 09:52	04/27/21 11:00	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		04/23/21 09:52	04/27/21 11:00	1
Di-n-octyl phthalate	ND		10	0.18	ug/L		04/23/21 09:52	04/27/21 11:00	1
1,4-Dioxane	ND		10	1.0	ug/L		04/23/21 09:52	04/27/21 11:00	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/23/21 09:52	04/27/21 11:00	1
Hexachlorobenzene	ND		10	0.18	ug/L		04/23/21 09:52	04/27/21 11:00	1
Hexachlorocyclopentadiene	ND		21	2.7	ug/L		04/23/21 09:52	04/27/21 11:00	1
Hexachloroethane	ND		10	4.3	ug/L		04/23/21 09:52	04/27/21 11:00	1
Indene	ND		10	1.0	ug/L		04/23/21 09:52	04/27/21 11:00	1
Isophorone	ND		10	0.14	ug/L		04/23/21 09:52	04/27/21 11:00	1
2-Methylphenol	ND		10	1.9	ug/L		04/23/21 09:52	04/27/21 11:00	1
3 & 4 Methylphenol	ND		21	0.40	ug/L		04/23/21 09:52	04/27/21 11:00	1
2-Nitroaniline	ND		10	2.3	ug/L		04/23/21 09:52	04/27/21 11:00	1
3-Nitroaniline	ND		10	1.9	ug/L		04/23/21 09:52	04/27/21 11:00	1
4-Nitroaniline	ND		10	1.6	ug/L		04/23/21 09:52	04/27/21 11:00	1
Nitrobenzene	ND		10	0.13	ug/L		04/23/21 09:52	04/27/21 11:00	1
2-Nitrophenol	ND		10	5.4	ug/L		04/23/21 09:52	04/27/21 11:00	1
4-Nitrophenol	ND		10	2.2	ug/L		04/23/21 09:52	04/27/21 11:00	1
N-Nitrosodimethylamine	ND		10	3.6	ug/L		04/23/21 09:52	04/27/21 11:00	1

Client Sample ID: MW25-ROX-041921
Date Collected: 04/19/21 10:05
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-5
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		04/23/21 09:52	04/27/21 11:00	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/23/21 09:52	04/27/21 11:00	1
Pentachlorophenol	ND		21	1.4	ug/L		04/23/21 09:52	04/27/21 11:00	1
Phenol	ND		10	2.7	ug/L		04/23/21 09:52	04/27/21 11:00	1
Pyridine	ND		10	3.3	ug/L		04/23/21 09:52	04/27/21 11:00	1
Quinoline	ND		10	4.7	ug/L		04/23/21 09:52	04/27/21 11:00	1
2,4,5-Trichlorophenol	ND		10	3.8	ug/L		04/23/21 09:52	04/27/21 11:00	1
2,4,6-Trichlorophenol	ND		10	3.6	ug/L		04/23/21 09:52	04/27/21 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*46 - 124*	*04/23/21 09:52*	*04/27/21 11:00*	*1*
2-Fluorophenol	*41*		*13 - 113*	*04/23/21 09:52*	*04/27/21 11:00*	*1*
Nitrobenzene-d5	*74*		*36 - 126*	*04/23/21 09:52*	*04/27/21 11:00*	*1*
Phenol-d5	*66*		*17 - 127*	*04/23/21 09:52*	*04/27/21 11:00*	*1*
Terphenyl-d14	*85*		*44 - 149*	*04/23/21 09:52*	*04/27/21 11:00*	*1*
2,4,6-Tribromophenol	*87*		*26 - 150*	*04/23/21 09:52*	*04/27/21 11:00*	*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	0.0054	ug/L		04/27/21 10:52	04/28/21 12:43	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		04/27/21 10:52	04/28/21 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*113*	*p*	*51 - 149*	*04/27/21 10:52*	*04/28/21 12:43*	*1*

Client Sample Results

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

Job ID: 400-202274-1

Client Sample ID: MW8-ROX-041921
Date Collected: 04/19/21 12:25
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	UJ	25000	10000	ug/L			05/01/21 12:10	1000
Acrolein	ND		20000	10000	ug/L			05/01/21 12:10	1000
Acrylonitrile	ND		10000	2800	ug/L			05/01/21 12:10	1000
Bromobenzene	ND		1000	540	ug/L			05/01/21 12:10	1000
Bromochloromethane	ND		1000	520	ug/L			05/01/21 12:10	1000
Bromodichloromethane	ND		1000	500	ug/L			05/01/21 12:10	1000
Bromoform	ND		5000	710	ug/L			05/01/21 12:10	1000
Bromomethane	ND		1000	980	ug/L			05/01/21 12:10	1000
2-Butanone (MEK)	ND		25000	2600	ug/L			05/01/21 12:10	1000
Carbon disulfide	ND		1000	500	ug/L			05/01/21 12:10	1000
Carbon tetrachloride	ND		1000	500	ug/L			05/01/21 12:10	1000
Chlorobenzene	ND		1000	500	ug/L			05/01/21 12:10	1000
Dibromochloromethane	ND		1000	500	ug/L			05/01/21 12:10	1000
Chloroethane	ND		1000	760	ug/L			05/01/21 12:10	1000
2-Chloroethyl vinyl ether	ND		5000	2000	ug/L			05/01/21 12:10	1000
Chloroform	ND		1000	600	ug/L			05/01/21 12:10	1000
1-Chlorohexane	ND		1000	700	ug/L			05/01/21 12:10	1000
Chloromethane	ND		1000	830	ug/L			05/01/21 12:10	1000
cis-1,2-Dichloroethene	ND		1000	500	ug/L			05/01/21 12:10	1000
cis-1,3-Dichloropropene	ND		5000	500	ug/L			05/01/21 12:10	1000
1,2-Dichlorobenzene	ND		1000	500	ug/L			05/01/21 12:10	1000
1,3-Dichlorobenzene	ND		1000	540	ug/L			05/01/21 12:10	1000
1,4-Dichlorobenzene	ND		1000	640	ug/L			05/01/21 12:10	1000
Dichlorodifluoromethane	ND		1000	850	ug/L			05/01/21 12:10	1000
1,1-Dichloroethane	ND		1000	500	ug/L			05/01/21 12:10	1000
1,2-Dichloroethane	ND		1000	500	ug/L			05/01/21 12:10	1000
1,1-Dichloroethene	ND		1000	500	ug/L			05/01/21 12:10	1000
1,2-Dichloropropane	ND		1000	500	ug/L			05/01/21 12:10	1000
1,3-Dichloropropane	ND		1000	500	ug/L			05/01/21 12:10	1000
2,2-Dichloropropane	ND		1000	500	ug/L			05/01/21 12:10	1000
1,1-Dichloropropene	ND		1000	500	ug/L			05/01/21 12:10	1000
Ethylbenzene	ND		1000	500	ug/L			05/01/21 12:10	1000
Ethyl methacrylate	ND		1000	600	ug/L			05/01/21 12:10	1000
Hexachlorobutadiene	ND	*+	5000	900	ug/L			05/01/21 12:10	1000
2-Hexanone	ND		25000	3100	ug/L			05/01/21 12:10	1000
Isopropylbenzene	ND		1000	530	ug/L			05/01/21 12:10	1000
Methylene bromide	ND		5000	590	ug/L			05/01/21 12:10	1000
Methylene Chloride	ND		5000	3000	ug/L			05/01/21 12:10	1000
4-Methyl-2-pentanone (MIBK)	ND		25000	1800	ug/L			05/01/21 12:10	1000
Methyl tert-butyl ether	ND		1000	740	ug/L			05/01/21 12:10	1000
m-Xylene & p-Xylene	ND		5000	1600	ug/L			05/01/21 12:10	1000
Naphthalene	ND		1000	1000	ug/L			05/01/21 12:10	1000
n-Butylbenzene	ND		1000	760	ug/L			05/01/21 12:10	1000
N-Propylbenzene	ND		1000	690	ug/L			05/01/21 12:10	1000
o-Chlorotoluene	ND		1000	570	ug/L			05/01/21 12:10	1000
o-Xylene	ND		5000	600	ug/L			05/01/21 12:10	1000
p-Chlorotoluene	ND		1000	560	ug/L			05/01/21 12:10	1000
p-Isopropyltoluene	ND		1000	710	ug/L			05/01/21 12:10	1000
sec-Butylbenzene	ND		1000	700	ug/L			05/01/21 12:10	1000

Client Sample ID: MW8-ROX-041921
Date Collected: 04/19/21 12:25
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND	UJ	1000	1000	ug/L			05/01/21 12:10	1000
tert-Butylbenzene	ND		1000	630	ug/L			05/01/21 12:10	1000
1,1,1,2-Tetrachloroethane	ND		1000	520	ug/L			05/01/21 12:10	1000
1,1,2,2-Tetrachloroethane	ND		1000	500	ug/L			05/01/21 12:10	1000
Tetrachloroethene	ND		1000	580	ug/L			05/01/21 12:10	1000
Toluene	ND		1000	410	ug/L			05/01/21 12:10	1000
trans-1,2-Dichloroethene	ND		1000	500	ug/L			05/01/21 12:10	1000
trans-1,3-Dichloropropene	ND		5000	500	ug/L			05/01/21 12:10	1000
1,2,3-Trichlorobenzene	ND		1000	700	ug/L			05/01/21 12:10	1000
1,2,4-Trichlorobenzene	ND		1000	820	ug/L			05/01/21 12:10	1000
1,1,1-Trichloroethane	ND		1000	500	ug/L			05/01/21 12:10	1000
1,1,2-Trichloroethane	ND		5000	500	ug/L			05/01/21 12:10	1000
Trichloroethene	ND		1000	500	ug/L			05/01/21 12:10	1000
Trichlorofluoromethane	ND		1000	520	ug/L			05/01/21 12:10	1000
1,2,3-Trichloropropane	ND		5000	840	ug/L			05/01/21 12:10	1000
1,2,4-Trimethylbenzene	ND		1000	820	ug/L			05/01/21 12:10	1000
1,3,5-Trimethylbenzene	ND		1000	560	ug/L			05/01/21 12:10	1000
Vinyl acetate	ND		25000	2000	ug/L			05/01/21 12:10	1000
Vinyl chloride	ND		1000	500	ug/L			05/01/21 12:10	1000
Xylenes, Total	ND		10000	1600	ug/L			05/01/21 12:10	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*78 - 118*		*05/01/21 12:10*	*1000*
Dibromofluoromethane	*114*		*81 - 121*		*05/01/21 12:10*	*1000*
Toluene-d8 (Surr)	*93*		*80 - 120*		*05/01/21 12:10*	*1000*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	290000		2000	760	ug/L			05/02/21 22:48	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*78 - 118*		*05/02/21 22:48*	*2000*
Dibromofluoromethane	*97*		*81 - 121*		*05/02/21 22:48*	*2000*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/02/21 22:48*	*2000*

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		04/23/21 09:52	04/26/21 18:29	1
Acenaphthylene	ND		0.21	0.048	ug/L		04/23/21 09:52	04/26/21 18:29	1
Anthracene	ND		0.21	0.034	ug/L		04/23/21 09:52	04/26/21 18:29	1
Benzo[a]anthracene	ND		0.21	0.049	ug/L		04/23/21 09:52	04/26/21 18:29	1
Benzo[a]pyrene	ND		0.21	0.045	ug/L		04/23/21 09:52	04/26/21 18:29	1
Benzo[b]fluoranthene	ND		0.21	0.036	ug/L		04/23/21 09:52	04/26/21 18:29	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		04/23/21 09:52	04/26/21 18:29	1
Benzo[k]fluoranthene	ND		0.21	0.11	ug/L		04/23/21 09:52	04/26/21 18:29	1
Chrysene	ND		0.21	0.079	ug/L		04/23/21 09:52	04/26/21 18:29	1
Dibenz(a,h)anthracene	ND		0.21	0.053	ug/L		04/23/21 09:52	04/26/21 18:29	1
Fluoranthene	ND		0.21	0.072	ug/L		04/23/21 09:52	04/26/21 18:29	1
Fluorene	ND		0.21	0.12	ug/L		04/23/21 09:52	04/26/21 18:29	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.046	ug/L		04/23/21 09:52	04/26/21 18:29	1

Client Sample ID: MW8-ROX-041921
Date Collected: 04/19/21 12:25
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-6
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	8.4		0.21	0.079	ug/L		04/23/21 09:52	04/26/21 18:29	1
2-Methylnaphthalene	2.7		0.21	0.064	ug/L		04/23/21 09:52	04/26/21 18:29	1
Phenanthrene	ND		0.21	0.038	ug/L		04/23/21 09:52	04/26/21 18:29	1
Pyrene	ND		0.21	0.042	ug/L		04/23/21 09:52	04/26/21 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*15 - 122*	*04/23/21 09:52*	*04/26/21 18:29*	*1*
Nitrobenzene-d5	*38*		*19 - 130*	*04/23/21 09:52*	*04/26/21 18:29*	*1*
Terphenyl-d14	*61*		*33 - 138*	*04/23/21 09:52*	*04/26/21 18:29*	*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		04/23/21 09:52	04/27/21 11:22	1
Benzenethiol	ND	*-*1 UJ	11	1.8	ug/L		04/23/21 09:52	04/27/21 11:22	1
Benzoic acid	ND		32	7.8	ug/L		04/23/21 09:52	04/27/21 11:22	1
Benzyl alcohol	ND		11	2.1	ug/L		04/23/21 09:52	04/27/21 11:22	1
Bis(2-chloroethoxy)methane	ND		11	0.17	ug/L		04/23/21 09:52	04/27/21 11:22	1
Bis(2-chloroethyl)ether	ND	UJ	11	2.9	ug/L		04/23/21 09:52	04/27/21 11:22	1
bis (2-chloroisopropyl) ether	ND		11	0.17	ug/L		04/23/21 09:52	04/27/21 11:22	1
Bis(2-ethylhexyl) phthalate	ND		11	5.3	ug/L		04/23/21 09:52	04/27/21 11:22	1
4-Bromophenyl phenyl ether	ND		11	0.21	ug/L		04/23/21 09:52	04/27/21 11:22	1
Butyl benzyl phthalate	ND		11	0.20	ug/L		04/23/21 09:52	04/27/21 11:22	1
4-Chloroaniline	ND		11	3.6	ug/L		04/23/21 09:52	04/27/21 11:22	1
4-Chloro-3-methylphenol	ND		11	4.0	ug/L		04/23/21 09:52	04/27/21 11:22	1
2-Chloronaphthalene	ND		11	0.15	ug/L		04/23/21 09:52	04/27/21 11:22	1
2-Chlorophenol	ND		11	2.3	ug/L		04/23/21 09:52	04/27/21 11:22	1
4-Chlorophenyl phenyl ether	ND		11	2.1	ug/L		04/23/21 09:52	04/27/21 11:22	1
Dibenz[a,h]acridine	ND		11	1.1	ug/L		04/23/21 09:52	04/27/21 11:22	1
Dibenzofuran	ND		11	0.18	ug/L		04/23/21 09:52	04/27/21 11:22	1
3,3'-Dichlorobenzidine	ND		11	2.8	ug/L		04/23/21 09:52	04/27/21 11:22	1
2,4-Dichlorophenol	ND		11	3.2	ug/L		04/23/21 09:52	04/27/21 11:22	1
Diethyl phthalate	ND		11	0.25	ug/L		04/23/21 09:52	04/27/21 11:22	1
2,4-Dimethylphenol	ND		11	3.7	ug/L		04/23/21 09:52	04/27/21 11:22	1
Dimethyl phthalate	ND		11	0.18	ug/L		04/23/21 09:52	04/27/21 11:22	1
Di-n-butyl phthalate	ND		11	2.9	ug/L		04/23/21 09:52	04/27/21 11:22	1
4,6-Dinitro-ortho-cresol	ND		11	1.7	ug/L		04/23/21 09:52	04/27/21 11:22	1
2,4-Dinitrophenol	ND		32	3.6	ug/L		04/23/21 09:52	04/27/21 11:22	1
2,4-Dinitrotoluene	ND		11	2.0	ug/L		04/23/21 09:52	04/27/21 11:22	1
2,6-Dinitrotoluene	ND		11	2.0	ug/L		04/23/21 09:52	04/27/21 11:22	1
Di-n-octyl phthalate	ND		11	0.18	ug/L		04/23/21 09:52	04/27/21 11:22	1
1,4-Dioxane	ND		11	1.1	ug/L		04/23/21 09:52	04/27/21 11:22	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		11	1.1	ug/L		04/23/21 09:52	04/27/21 11:22	1
Hexachlorobenzene	ND		11	0.18	ug/L		04/23/21 09:52	04/27/21 11:22	1
Hexachlorocyclopentadiene	ND		21	2.8	ug/L		04/23/21 09:52	04/27/21 11:22	1
Hexachloroethane	ND		11	4.5	ug/L		04/23/21 09:52	04/27/21 11:22	1
Indene	ND		11	1.1	ug/L		04/23/21 09:52	04/27/21 11:22	1
Isophorone	ND		11	0.15	ug/L		04/23/21 09:52	04/27/21 11:22	1
2-Methylphenol	ND		11	1.9	ug/L		04/23/21 09:52	04/27/21 11:22	1
3 & 4 Methylphenol	**0.74**	J	21	0.41	ug/L		04/23/21 09:52	04/27/21 11:22	1

Client Sample ID: MW8-ROX-041921
Date Collected: 04/19/21 12:25
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-6
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		04/23/21 09:52	04/27/21 11:22	1
3-Nitroaniline	ND		11	1.9	ug/L		04/23/21 09:52	04/27/21 11:22	1
4-Nitroaniline	ND		11	1.6	ug/L		04/23/21 09:52	04/27/21 11:22	1
Nitrobenzene	ND		11	0.14	ug/L		04/23/21 09:52	04/27/21 11:22	1
2-Nitrophenol	ND		11	5.5	ug/L		04/23/21 09:52	04/27/21 11:22	1
4-Nitrophenol	ND		11	2.2	ug/L		04/23/21 09:52	04/27/21 11:22	1
N-Nitrosodimethylamine	ND		11	3.7	ug/L		04/23/21 09:52	04/27/21 11:22	1
N-Nitrosodi-n-propylamine	ND		11	3.5	ug/L		04/23/21 09:52	04/27/21 11:22	1
N-Nitrosodiphenylamine	ND		11	0.19	ug/L		04/23/21 09:52	04/27/21 11:22	1
Pentachlorophenol	ND		21	1.5	ug/L		04/23/21 09:52	04/27/21 11:22	1
Phenol	290		11	2.8	ug/L		04/23/21 09:52	04/27/21 11:22	1
Pyridine	ND		11	3.4	ug/L		04/23/21 09:52	04/27/21 11:22	1
Quinoline	ND		11	4.8	ug/L		04/23/21 09:52	04/27/21 11:22	1
2,4,5-Trichlorophenol	ND		11	3.9	ug/L		04/23/21 09:52	04/27/21 11:22	1
2,4,6-Trichlorophenol	ND		11	3.7	ug/L		04/23/21 09:52	04/27/21 11:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*46 - 124*	*04/23/21 09:52*	*04/27/21 11:22*	*1*
2-Fluorophenol	*28*		*13 - 113*	*04/23/21 09:52*	*04/27/21 11:22*	*1*
Nitrobenzene-d5	*74*		*36 - 126*	*04/23/21 09:52*	*04/27/21 11:22*	*1*
Phenol-d5	*56*		*17 - 127*	*04/23/21 09:52*	*04/27/21 11:22*	*1*
Terphenyl-d14	*60*		*44 - 149*	*04/23/21 09:52*	*04/27/21 11:22*	*1*
2,4,6-Tribromophenol	*90*		*26 - 150*	*04/23/21 09:52*	*04/27/21 11:22*	*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	0.0054	ug/L		04/27/21 10:52	04/28/21 13:03	1
1,2-Dibromoethane	ND		0.020	0.0049	ug/L		04/27/21 10:52	04/28/21 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*117*	*p*	*51 - 149*	*04/27/21 10:52*	*04/28/21 13:03*	*1*

Client Sample ID: MW7-ROX-041921
Date Collected: 04/19/21 13:20
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25000	10000	ug/L			05/01/21 12:33	1000
Acrolein	ND		20000	10000	ug/L			05/01/21 12:33	1000
Acrylonitrile	ND		10000	2800	ug/L			05/01/21 12:33	1000
Bromobenzene	ND		1000	540	ug/L			05/01/21 12:33	1000
Bromochloromethane	ND		1000	520	ug/L			05/01/21 12:33	1000
Bromodichloromethane	ND		1000	500	ug/L			05/01/21 12:33	1000
Bromoform	ND		5000	710	ug/L			05/01/21 12:33	1000
Bromomethane	ND		1000	980	ug/L			05/01/21 12:33	1000
2-Butanone (MEK)	ND		25000	2600	ug/L			05/01/21 12:33	1000
Carbon disulfide	ND		1000	500	ug/L			05/01/21 12:33	1000
Carbon tetrachloride	ND		1000	500	ug/L			05/01/21 12:33	1000
Chlorobenzene	ND		1000	500	ug/L			05/01/21 12:33	1000
Dibromochloromethane	ND		1000	500	ug/L			05/01/21 12:33	1000
Chloroethane	ND		1000	760	ug/L			05/01/21 12:33	1000
2-Chloroethyl vinyl ether	ND		5000	2000	ug/L			05/01/21 12:33	1000
Chloroform	ND		1000	600	ug/L			05/01/21 12:33	1000
1-Chlorohexane	ND		1000	700	ug/L			05/01/21 12:33	1000
Chloromethane	ND		1000	830	ug/L			05/01/21 12:33	1000
cis-1,2-Dichloroethene	ND		1000	500	ug/L			05/01/21 12:33	1000
cis-1,3-Dichloropropene	ND		5000	500	ug/L			05/01/21 12:33	1000
1,2-Dichlorobenzene	ND		1000	500	ug/L			05/01/21 12:33	1000
1,3-Dichlorobenzene	ND		1000	540	ug/L			05/01/21 12:33	1000
1,4-Dichlorobenzene	ND		1000	640	ug/L			05/01/21 12:33	1000
Dichlorodifluoromethane	ND		1000	850	ug/L			05/01/21 12:33	1000
1,1-Dichloroethane	ND		1000	500	ug/L			05/01/21 12:33	1000
1,2-Dichloroethane	ND		1000	500	ug/L			05/01/21 12:33	1000
1,1-Dichloroethene	ND		1000	500	ug/L			05/01/21 12:33	1000
1,2-Dichloropropane	ND		1000	500	ug/L			05/01/21 12:33	1000
1,3-Dichloropropane	ND		1000	500	ug/L			05/01/21 12:33	1000
2,2-Dichloropropane	ND		1000	500	ug/L			05/01/21 12:33	1000
1,1-Dichloropropene	ND		1000	500	ug/L			05/01/21 12:33	1000
Ethylbenzene	ND		1000	500	ug/L			05/01/21 12:33	1000
Ethyl methacrylate	ND		1000	600	ug/L			05/01/21 12:33	1000
Hexachlorobutadiene	ND	*+	5000	900	ug/L			05/01/21 12:33	1000
2-Hexanone	ND		25000	3100	ug/L			05/01/21 12:33	1000
Isopropylbenzene	ND		1000	530	ug/L			05/01/21 12:33	1000
Methylene bromide	ND		5000	590	ug/L			05/01/21 12:33	1000
Methylene Chloride	ND		5000	3000	ug/L			05/01/21 12:33	1000
4-Methyl-2-pentanone (MIBK)	ND		25000	1800	ug/L			05/01/21 12:33	1000
Methyl tert-butyl ether	ND		1000	740	ug/L			05/01/21 12:33	1000
m-Xylene & p-Xylene	ND		5000	1600	ug/L			05/01/21 12:33	1000
Naphthalene	ND		1000	1000	ug/L			05/01/21 12:33	1000
n-Butylbenzene	ND		1000	760	ug/L			05/01/21 12:33	1000
N-Propylbenzene	ND		1000	690	ug/L			05/01/21 12:33	1000
o-Chlorotoluene	ND		1000	570	ug/L			05/01/21 12:33	1000
o-Xylene	ND		5000	600	ug/L			05/01/21 12:33	1000
p-Chlorotoluene	ND		1000	560	ug/L			05/01/21 12:33	1000
p-Isopropyltoluene	ND		1000	710	ug/L			05/01/21 12:33	1000
sec-Butylbenzene	ND		1000	700	ug/L			05/01/21 12:33	1000

Client Sample ID: MW7-ROX-041921
Date Collected: 04/19/21 13:20
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND	U	1000	1000	ug/L			05/01/21 12:33	1000
tert-Butylbenzene	ND		1000	630	ug/L			05/01/21 12:33	1000
1,1,1,2-Tetrachloroethane	ND		1000	520	ug/L			05/01/21 12:33	1000
1,1,2,2-Tetrachloroethane	ND		1000	500	ug/L			05/01/21 12:33	1000
Tetrachloroethene	ND		1000	580	ug/L			05/01/21 12:33	1000
Toluene	ND		1000	410	ug/L			05/01/21 12:33	1000
trans-1,2-Dichloroethene	ND		1000	500	ug/L			05/01/21 12:33	1000
trans-1,3-Dichloropropene	ND		5000	500	ug/L			05/01/21 12:33	1000
1,2,3-Trichlorobenzene	ND		1000	700	ug/L			05/01/21 12:33	1000
1,2,4-Trichlorobenzene	ND		1000	820	ug/L			05/01/21 12:33	1000
1,1,1-Trichloroethane	ND		1000	500	ug/L			05/01/21 12:33	1000
1,1,2-Trichloroethane	ND		5000	500	ug/L			05/01/21 12:33	1000
Trichloroethene	ND		1000	500	ug/L			05/01/21 12:33	1000
Trichlorofluoromethane	ND		1000	520	ug/L			05/01/21 12:33	1000
1,2,3-Trichloropropane	ND		5000	840	ug/L			05/01/21 12:33	1000
1,2,4-Trimethylbenzene	ND		1000	820	ug/L			05/01/21 12:33	1000
1,3,5-Trimethylbenzene	ND		1000	560	ug/L			05/01/21 12:33	1000
Vinyl acetate	ND		25000	2000	ug/L			05/01/21 12:33	1000
Vinyl chloride	ND		1000	500	ug/L			05/01/21 12:33	1000
Xylenes, Total	ND		10000	1600	ug/L			05/01/21 12:33	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*78 - 118*		*05/01/21 12:33*	*1000*
Dibromofluoromethane	*114*		*81 - 121*		*05/01/21 12:33*	*1000*
Toluene-d8 (Surr)	*89*		*80 - 120*		*05/01/21 12:33*	*1000*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**640000**		5000	1900	ug/L			05/02/21 23:12	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*78 - 118*		*05/02/21 23:12*	*5000*
Dibromofluoromethane	*98*		*81 - 121*		*05/02/21 23:12*	*5000*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/02/21 23:12*	*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		0.21	0.033	ug/L		04/24/21 09:04	04/26/21 18:45	1
Acenaphthylene	ND		0.21	0.047	ug/L		04/24/21 09:04	04/26/21 18:45	1
Anthracene	ND		0.21	0.033	ug/L		04/24/21 09:04	04/26/21 18:45	1
Benzo[a]anthracene	ND		0.21	0.048	ug/L		04/24/21 09:04	04/26/21 18:45	1
Benzo[a]pyrene	ND		0.21	0.044	ug/L		04/24/21 09:04	04/26/21 18:45	1
Benzo[b]fluoranthene	ND		0.21	0.035	ug/L		04/24/21 09:04	04/26/21 18:45	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		04/24/21 09:04	04/26/21 18:45	1
Benzo[k]fluoranthene	ND		0.21	0.10	ug/L		04/24/21 09:04	04/26/21 18:45	1
Chrysene	ND		0.21	0.077	ug/L		04/24/21 09:04	04/26/21 18:45	1
Dibenz(a,h)anthracene	ND		0.21	0.052	ug/L		04/24/21 09:04	04/26/21 18:45	1
Fluoranthene	ND		0.21	0.071	ug/L		04/24/21 09:04	04/26/21 18:45	1
Fluorene	ND		0.21	0.11	ug/L		04/24/21 09:04	04/26/21 18:45	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.045	ug/L		04/24/21 09:04	04/26/21 18:45	1

Client Sample ID: MW7-ROX-041921
Date Collected: 04/19/21 13:20
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-7
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	1.6		0.21	0.077	ug/L		04/24/21 09:04	04/26/21 18:45	1
2-Methylnaphthalene	2.4		0.21	0.063	ug/L		04/24/21 09:04	04/26/21 18:45	1
Phenanthrene	ND		0.21	0.038	ug/L		04/24/21 09:04	04/26/21 18:45	1
Pyrene	ND		0.21	0.042	ug/L		04/24/21 09:04	04/26/21 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*15 - 122*	*04/24/21 09:04*	*04/26/21 18:45*	*1*
Nitrobenzene-d5	*33*		*19 - 130*	*04/24/21 09:04*	*04/26/21 18:45*	*1*
Terphenyl-d14	*71*		*33 - 138*	*04/24/21 09:04*	*04/26/21 18:45*	*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		04/24/21 09:04	04/27/21 11:43	1
Benzenethiol	ND	UJ	10	1.8	ug/L		04/24/21 09:04	04/27/21 11:43	1
Benzoic acid	ND		31	7.6	ug/L		04/24/21 09:04	04/27/21 11:43	1
Benzyl alcohol	ND		10	2.1	ug/L		04/24/21 09:04	04/27/21 11:43	1
Bis(2-chloroethoxy)methane	ND		10	0.17	ug/L		04/24/21 09:04	04/27/21 11:43	1
Bis(2-chloroethyl)ether	ND	UJ	10	2.8	ug/L		04/24/21 09:04	04/27/21 11:43	1
bis (2-chloroisopropyl) ether	ND		10	0.17	ug/L		04/24/21 09:04	04/27/21 11:43	1
Bis(2-ethylhexyl) phthalate	ND		10	5.2	ug/L		04/24/21 09:04	04/27/21 11:43	1
4-Bromophenyl phenyl ether	ND		10	0.21	ug/L		04/24/21 09:04	04/27/21 11:43	1
Butyl benzyl phthalate	ND		10	0.20	ug/L		04/24/21 09:04	04/27/21 11:43	1
4-Chloroaniline	ND		10	3.5	ug/L		04/24/21 09:04	04/27/21 11:43	1
4-Chloro-3-methylphenol	ND		10	4.0	ug/L		04/24/21 09:04	04/27/21 11:43	1
2-Chloronaphthalene	ND		10	0.15	ug/L		04/24/21 09:04	04/27/21 11:43	1
2-Chlorophenol	ND		10	2.3	ug/L		04/24/21 09:04	04/27/21 11:43	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		04/24/21 09:04	04/27/21 11:43	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/24/21 09:04	04/27/21 11:43	1
Dibenzofuran	ND		10	0.18	ug/L		04/24/21 09:04	04/27/21 11:43	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		04/24/21 09:04	04/27/21 11:43	1
2,4-Dichlorophenol	ND		10	3.1	ug/L		04/24/21 09:04	04/27/21 11:43	1
Diethyl phthalate	**1.3**	**J**	10	0.25	ug/L		04/24/21 09:04	04/27/21 11:43	1
2,4-Dimethylphenol	ND		10	3.7	ug/L		04/24/21 09:04	04/27/21 11:43	1
Dimethyl phthalate	ND		10	0.18	ug/L		04/24/21 09:04	04/27/21 11:43	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		04/24/21 09:04	04/27/21 11:43	1
4,6-Dinitro-ortho-cresol	ND		10	1.7	ug/L		04/24/21 09:04	04/27/21 11:43	1
2,4-Dinitrophenol	ND		31	3.5	ug/L		04/24/21 09:04	04/27/21 11:43	1
2,4-Dinitrotoluene	ND		10	2.0	ug/L		04/24/21 09:04	04/27/21 11:43	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		04/24/21 09:04	04/27/21 11:43	1
Di-n-octyl phthalate	ND		10	0.18	ug/L		04/24/21 09:04	04/27/21 11:43	1
1,4-Dioxane	ND		10	1.0	ug/L		04/24/21 09:04	04/27/21 11:43	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/24/21 09:04	04/27/21 11:43	1
Hexachlorobenzene	ND		10	0.18	ug/L		04/24/21 09:04	04/27/21 11:43	1
Hexachlorocyclopentadiene	ND		21	2.7	ug/L		04/24/21 09:04	04/27/21 11:43	1
Hexachloroethane	ND		10	4.4	ug/L		04/24/21 09:04	04/27/21 11:43	1
Indene	ND		10	1.0	ug/L		04/24/21 09:04	04/27/21 11:43	1
Isophorone	ND		10	0.15	ug/L		04/24/21 09:04	04/27/21 11:43	1
2-Methylphenol	ND		10	1.9	ug/L		04/24/21 09:04	04/27/21 11:43	1
3 & 4 Methylphenol	**2.0**	**J**	21	0.41	ug/L		04/24/21 09:04	04/27/21 11:43	1

Client Sample ID: MW7-ROX-041921
Date Collected: 04/19/21 13:20
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-7
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		04/24/21 09:04	04/27/21 11:43	1
3-Nitroaniline	ND		10	1.9	ug/L		04/24/21 09:04	04/27/21 11:43	1
4-Nitroaniline	ND		10	1.6	ug/L		04/24/21 09:04	04/27/21 11:43	1
Nitrobenzene	ND		10	0.14	ug/L		04/24/21 09:04	04/27/21 11:43	1
2-Nitrophenol	ND		10	5.4	ug/L		04/24/21 09:04	04/27/21 11:43	1
4-Nitrophenol	ND		10	2.2	ug/L		04/24/21 09:04	04/27/21 11:43	1
N-Nitrosodimethylamine	ND		10	3.7	ug/L		04/24/21 09:04	04/27/21 11:43	1
N-Nitrosodi-n-propylamine	ND		10	3.4	ug/L		04/24/21 09:04	04/27/21 11:43	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/24/21 09:04	04/27/21 11:43	1
Pentachlorophenol	ND		21	1.5	ug/L		04/24/21 09:04	04/27/21 11:43	1
Phenol	110	J	10	2.7	ug/L		04/24/21 09:04	04/27/21 11:43	1
Pyridine	ND		10	3.3	ug/L		04/24/21 09:04	04/27/21 11:43	1
Quinoline	ND		10	4.7	ug/L		04/24/21 09:04	04/27/21 11:43	1
2,4,5-Trichlorophenol	ND		10	3.9	ug/L		04/24/21 09:04	04/27/21 11:43	1
2,4,6-Trichlorophenol	ND		10	3.7	ug/L		04/24/21 09:04	04/27/21 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*46 - 124*	*04/24/21 09:04*	*04/27/21 11:43*	*1*
2-Fluorophenol	*65*		*13 - 113*	*04/24/21 09:04*	*04/27/21 11:43*	*1*
Nitrobenzene-d5	*75*		*36 - 126*	*04/24/21 09:04*	*04/27/21 11:43*	*1*
Phenol-d5	*79*		*17 - 127*	*04/24/21 09:04*	*04/27/21 11:43*	*1*
Terphenyl-d14	*77*		*44 - 149*	*04/24/21 09:04*	*04/27/21 11:43*	*1*
2,4,6-Tribromophenol	*100*		*26 - 150*	*04/24/21 09:04*	*04/27/21 11:43*	*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		04/27/21 10:52	04/28/21 13:23	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/27/21 10:52	04/28/21 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*119*	*p*	*51 - 149*	*04/27/21 10:52*	*04/28/21 13:23*	*1*

Client Sample Results

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

Job ID: 400-202274-1

Client Sample ID: MW7-ROX-041921-DUP
Date Collected: 04/19/21 13:20
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25000	10000	ug/L			05/01/21 13:01	1000
Acrolein	ND		20000	10000	ug/L			05/01/21 13:01	1000
Acrylonitrile	ND		10000	2800	ug/L			05/01/21 13:01	1000
Bromobenzene	ND		1000	540	ug/L			05/01/21 13:01	1000
Bromochloromethane	ND		1000	520	ug/L			05/01/21 13:01	1000
Bromodichloromethane	ND		1000	500	ug/L			05/01/21 13:01	1000
Bromoform	ND		5000	710	ug/L			05/01/21 13:01	1000
Bromomethane	ND		1000	980	ug/L			05/01/21 13:01	1000
2-Butanone (MEK)	ND		25000	2600	ug/L			05/01/21 13:01	1000
Carbon disulfide	ND		1000	500	ug/L			05/01/21 13:01	1000
Carbon tetrachloride	ND		1000	500	ug/L			05/01/21 13:01	1000
Chlorobenzene	ND		1000	500	ug/L			05/01/21 13:01	1000
Dibromochloromethane	ND		1000	500	ug/L			05/01/21 13:01	1000
Chloroethane	ND		1000	760	ug/L			05/01/21 13:01	1000
2-Chloroethyl vinyl ether	ND		5000	2000	ug/L			05/01/21 13:01	1000
Chloroform	ND		1000	600	ug/L			05/01/21 13:01	1000
1-Chlorohexane	ND		1000	700	ug/L			05/01/21 13:01	1000
Chloromethane	ND		1000	830	ug/L			05/01/21 13:01	1000
cis-1,2-Dichloroethene	ND		1000	500	ug/L			05/01/21 13:01	1000
cis-1,3-Dichloropropene	ND		5000	500	ug/L			05/01/21 13:01	1000
1,2-Dichlorobenzene	ND		1000	500	ug/L			05/01/21 13:01	1000
1,3-Dichlorobenzene	ND		1000	540	ug/L			05/01/21 13:01	1000
1,4-Dichlorobenzene	ND		1000	640	ug/L			05/01/21 13:01	1000
Dichlorodifluoromethane	ND		1000	850	ug/L			05/01/21 13:01	1000
1,1-Dichloroethane	ND		1000	500	ug/L			05/01/21 13:01	1000
1,2-Dichloroethane	ND		1000	500	ug/L			05/01/21 13:01	1000
1,1-Dichloroethene	ND		1000	500	ug/L			05/01/21 13:01	1000
1,2-Dichloropropane	ND		1000	500	ug/L			05/01/21 13:01	1000
1,3-Dichloropropane	ND		1000	500	ug/L			05/01/21 13:01	1000
2,2-Dichloropropane	ND		1000	500	ug/L			05/01/21 13:01	1000
1,1-Dichloropropene	ND		1000	500	ug/L			05/01/21 13:01	1000
Ethylbenzene	ND		1000	500	ug/L			05/01/21 13:01	1000
Ethyl methacrylate	ND		1000	600	ug/L			05/01/21 13:01	1000
Hexachlorobutadiene	ND	*+	5000	900	ug/L			05/01/21 13:01	1000
2-Hexanone	ND		25000	3100	ug/L			05/01/21 13:01	1000
Isopropylbenzene	ND		1000	530	ug/L			05/01/21 13:01	1000
Methylene bromide	ND		5000	590	ug/L			05/01/21 13:01	1000
Methylene Chloride	ND		5000	3000	ug/L			05/01/21 13:01	1000
4-Methyl-2-pentanone (MIBK)	ND		25000	1800	ug/L			05/01/21 13:01	1000
Methyl tert-butyl ether	ND		1000	740	ug/L			05/01/21 13:01	1000
m-Xylene & p-Xylene	ND		5000	1600	ug/L			05/01/21 13:01	1000
Naphthalene	ND		1000	1000	ug/L			05/01/21 13:01	1000
n-Butylbenzene	ND		1000	760	ug/L			05/01/21 13:01	1000
N-Propylbenzene	ND		1000	690	ug/L			05/01/21 13:01	1000
o-Chlorotoluene	ND		1000	570	ug/L			05/01/21 13:01	1000
o-Xylene	ND		5000	600	ug/L			05/01/21 13:01	1000
p-Chlorotoluene	ND		1000	560	ug/L			05/01/21 13:01	1000
p-Isopropyltoluene	ND		1000	710	ug/L			05/01/21 13:01	1000
sec-Butylbenzene	ND		1000	700	ug/L			05/01/21 13:01	1000

Client Sample ID: MW7-ROX-041921-DUP

Date Collected: 04/19/21 13:20
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND	UJ	1000	1000	ug/L			05/01/21 13:01	1000
tert-Butylbenzene	ND		1000	630	ug/L			05/01/21 13:01	1000
1,1,1,2-Tetrachloroethane	ND		1000	520	ug/L			05/01/21 13:01	1000
1,1,2,2-Tetrachloroethane	ND		1000	500	ug/L			05/01/21 13:01	1000
Tetrachloroethene	ND		1000	580	ug/L			05/01/21 13:01	1000
Toluene	ND		1000	410	ug/L			05/01/21 13:01	1000
trans-1,2-Dichloroethene	ND		1000	500	ug/L			05/01/21 13:01	1000
trans-1,3-Dichloropropene	ND		5000	500	ug/L			05/01/21 13:01	1000
1,2,3-Trichlorobenzene	ND		1000	700	ug/L			05/01/21 13:01	1000
1,2,4-Trichlorobenzene	ND		1000	820	ug/L			05/01/21 13:01	1000
1,1,1-Trichloroethane	ND		1000	500	ug/L			05/01/21 13:01	1000
1,1,2-Trichloroethane	ND		5000	500	ug/L			05/01/21 13:01	1000
Trichloroethene	ND		1000	500	ug/L			05/01/21 13:01	1000
Trichlorofluoromethane	ND		1000	520	ug/L			05/01/21 13:01	1000
1,2,3-Trichloropropane	ND		5000	840	ug/L			05/01/21 13:01	1000
1,2,4-Trimethylbenzene	ND		1000	820	ug/L			05/01/21 13:01	1000
1,3,5-Trimethylbenzene	ND		1000	560	ug/L			05/01/21 13:01	1000
Vinyl acetate	ND		25000	2000	ug/L			05/01/21 13:01	1000
Vinyl chloride	ND		1000	500	ug/L			05/01/21 13:01	1000
Xylenes, Total	ND		10000	1600	ug/L			05/01/21 13:01	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*78 - 118*		*05/01/21 13:01*	*1000*
Dibromofluoromethane	*110*		*81 - 121*		*05/01/21 13:01*	*1000*
Toluene-d8 (Surr)	*90*		*80 - 120*		*05/01/21 13:01*	*1000*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	530000		5000	1900	ug/L			05/02/21 23:37	5000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*83*		*78 - 118*		*05/02/21 23:37*	*5000*
Dibromofluoromethane	*97*		*81 - 121*		*05/02/21 23:37*	*5000*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/02/21 23:37*	*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		0.21	0.033	ug/L		04/23/21 09:52	04/26/21 19:00	1
Acenaphthylene	ND		0.21	0.047	ug/L		04/23/21 09:52	04/26/21 19:00	1
Anthracene	ND		0.21	0.033	ug/L		04/23/21 09:52	04/26/21 19:00	1
Benzo[a]anthracene	ND		0.21	0.048	ug/L		04/23/21 09:52	04/26/21 19:00	1
Benzo[a]pyrene	ND		0.21	0.044	ug/L		04/23/21 09:52	04/26/21 19:00	1
Benzo[b]fluoranthene	ND		0.21	0.035	ug/L		04/23/21 09:52	04/26/21 19:00	1
Benzo[g,h,i]perylene	ND		0.21	0.14	ug/L		04/23/21 09:52	04/26/21 19:00	1
Benzo[k]fluoranthene	ND		0.21	0.10	ug/L		04/23/21 09:52	04/26/21 19:00	1
Chrysene	ND		0.21	0.077	ug/L		04/23/21 09:52	04/26/21 19:00	1
Dibenz(a,h)anthracene	ND		0.21	0.052	ug/L		04/23/21 09:52	04/26/21 19:00	1
Fluoranthene	ND		0.21	0.071	ug/L		04/23/21 09:52	04/26/21 19:00	1
Fluorene	ND		0.21	0.11	ug/L		04/23/21 09:52	04/26/21 19:00	1
Indeno[1,2,3-cd]pyrene	ND		0.21	0.045	ug/L		04/23/21 09:52	04/26/21 19:00	1

Client Sample ID: MW7-ROX-041921-DUP
Date Collected: 04/19/21 13:20
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-8
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	1.6		0.21	0.077	ug/L		04/23/21 09:52	04/26/21 19:00	1
2-Methylnaphthalene	2.3		0.21	0.062	ug/L		04/23/21 09:52	04/26/21 19:00	1
Phenanthrene	ND		0.21	0.037	ug/L		04/23/21 09:52	04/26/21 19:00	1
Pyrene	ND		0.21	0.042	ug/L		04/23/21 09:52	04/26/21 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*15 - 122*	*04/23/21 09:52*	*04/26/21 19:00*	*1*
Nitrobenzene-d5	*34*		*19 - 130*	*04/23/21 09:52*	*04/26/21 19:00*	*1*
Terphenyl-d14	*81*		*33 - 138*	*04/23/21 09:52*	*04/26/21 19:00*	*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		04/23/21 09:52	04/27/21 12:05	1
Benzenethiol	ND	*- *1 UJ	10	1.8	ug/L		04/23/21 09:52	04/27/21 12:05	1
Benzoic acid	ND	UJ	31	7.6	ug/L		04/23/21 09:52	04/27/21 12:05	1
Benzyl alcohol	ND	UJ	10	2.1	ug/L		04/23/21 09:52	04/27/21 12:05	1
Bis(2-chloroethoxy)methane	ND		10	0.17	ug/L		04/23/21 09:52	04/27/21 12:05	1
Bis(2-chloroethyl)ether	ND	UJ	10	2.8	ug/L		04/23/21 09:52	04/27/21 12:05	1
bis (2-chloroisopropyl) ether	ND		10	0.17	ug/L		04/23/21 09:52	04/27/21 12:05	1
Bis(2-ethylhexyl) phthalate	ND		10	5.2	ug/L		04/23/21 09:52	04/27/21 12:05	1
4-Bromophenyl phenyl ether	ND		10	0.21	ug/L		04/23/21 09:52	04/27/21 12:05	1
Butyl benzyl phthalate	ND		10	0.20	ug/L		04/23/21 09:52	04/27/21 12:05	1
4-Chloroaniline	ND		10	3.5	ug/L		04/23/21 09:52	04/27/21 12:05	1
4-Chloro-3-methylphenol	ND	UJ	10	3.9	ug/L		04/23/21 09:52	04/27/21 12:05	1
2-Chloronaphthalene	ND		10	0.15	ug/L		04/23/21 09:52	04/27/21 12:05	1
2-Chlorophenol	ND		10	2.3	ug/L		04/23/21 09:52	04/27/21 12:05	1
4-Chlorophenyl phenyl ether	ND		10	2.1	ug/L		04/23/21 09:52	04/27/21 12:05	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/23/21 09:52	04/27/21 12:05	1
Dibenzofuran	ND		10	0.18	ug/L		04/23/21 09:52	04/27/21 12:05	1
3,3'-Dichlorobenzidine	ND		10	2.7	ug/L		04/23/21 09:52	04/27/21 12:05	1
2,4-Dichlorophenol	ND	UJ	10	3.1	ug/L		04/23/21 09:52	04/27/21 12:05	1
Diethyl phthalate	ND		10	0.25	ug/L		04/23/21 09:52	04/27/21 12:05	1
2,4-Dimethylphenol	ND	UJ	10	3.6	ug/L		04/23/21 09:52	04/27/21 12:05	1
Dimethyl phthalate	ND		10	0.18	ug/L		04/23/21 09:52	04/27/21 12:05	1
Di-n-butyl phthalate	ND		10	2.8	ug/L		04/23/21 09:52	04/27/21 12:05	1
4,6-Dinitro-ortho-cresol	ND		10	1.7	ug/L		04/23/21 09:52	04/27/21 12:05	1
2,4-Dinitrophenol	ND	UJ	31	3.5	ug/L		04/23/21 09:52	04/27/21 12:05	1
2,4-Dinitrotoluene	ND		10	2.0	ug/L		04/23/21 09:52	04/27/21 12:05	1
2,6-Dinitrotoluene	ND		10	2.0	ug/L		04/23/21 09:52	04/27/21 12:05	1
Di-n-octyl phthalate	ND		10	0.18	ug/L		04/23/21 09:52	04/27/21 12:05	1
1,4-Dioxane	ND		10	1.0	ug/L		04/23/21 09:52	04/27/21 12:05	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/23/21 09:52	04/27/21 12:05	1
Hexachlorobenzene	ND		10	0.18	ug/L		04/23/21 09:52	04/27/21 12:05	1
Hexachlorocyclopentadiene	ND		21	2.7	ug/L		04/23/21 09:52	04/27/21 12:05	1
Hexachloroethane	ND		10	4.4	ug/L		04/23/21 09:52	04/27/21 12:05	1
Indene	ND		10	1.0	ug/L		04/23/21 09:52	04/27/21 12:05	1
Isophorone	ND		10	0.15	ug/L		04/23/21 09:52	04/27/21 12:05	1
2-Methylphenol	ND	UJ	10	1.9	ug/L		04/23/21 09:52	04/27/21 12:05	1
3 & 4 Methylphenol	0.90	J J	21	0.41	ug/L		04/23/21 09:52	04/27/21 12:05	1

Client Sample ID: MW7-ROX-041921-DUP
Date Collected: 04/19/21 13:20
Date Received: 04/20/21 09:40

Lab Sample ID: 400-202274-8
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		10	2.3	ug/L		04/23/21 09:52	04/27/21 12:05	1
3-Nitroaniline	ND		10	1.9	ug/L		04/23/21 09:52	04/27/21 12:05	1
4-Nitroaniline	ND		10	1.6	ug/L		04/23/21 09:52	04/27/21 12:05	1
Nitrobenzene	ND		10	0.14	ug/L		04/23/21 09:52	04/27/21 12:05	1
2-Nitrophenol	ND	UJ	10	5.4	ug/L		04/23/21 09:52	04/27/21 12:05	1
4-Nitrophenol	ND	UJ	10	2.2	ug/L		04/23/21 09:52	04/27/21 12:05	1
N-Nitrosodimethylamine	ND		10	3.6	ug/L		04/23/21 09:52	04/27/21 12:05	1
N-Nitrosodi-n-propylamine	ND		10	3.4	ug/L		04/23/21 09:52	04/27/21 12:05	1
N-Nitrosodiphenylamine	ND		10	0.19	ug/L		04/23/21 09:52	04/27/21 12:05	1
Pentachlorophenol	ND	UJ	21	1.5	ug/L		04/23/21 09:52	04/27/21 12:05	1
Phenol	19	J	10	2.7	ug/L		04/23/21 09:52	04/27/21 12:05	1
Pyridine	ND		10	3.3	ug/L		04/23/21 09:52	04/27/21 12:05	1
Quinoline	ND		10	4.7	ug/L		04/23/21 09:52	04/27/21 12:05	1
2,4,5-Trichlorophenol	ND	UJ	10	3.8	ug/L		04/23/21 09:52	04/27/21 12:05	1
2,4,6-Trichlorophenol	ND	UJ	10	3.6	ug/L		04/23/21 09:52	04/27/21 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*79*		*46 - 124*	*04/23/21 09:52*	*04/27/21 12:05*	*1*
2-Fluorophenol	*0.02*	*S1-*	*13 - 113*	*04/23/21 09:52*	*04/27/21 12:05*	*1*
Nitrobenzene-d5	*68*		*36 - 126*	*04/23/21 09:52*	*04/27/21 12:05*	*1*
Phenol-d5	*15*	*S1-*	*17 - 127*	*04/23/21 09:52*	*04/27/21 12:05*	*1*
Terphenyl-d14	*81*		*44 - 149*	*04/23/21 09:52*	*04/27/21 12:05*	*1*
2,4,6-Tribromophenol	*63*		*26 - 150*	*04/23/21 09:52*	*04/27/21 12:05*	*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		0.030	0.0055	ug/L		04/27/21 10:52	04/28/21 13:43	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/27/21 10:52	04/28/21 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*121*	*p*	*51 - 149*	*04/27/21 10:52*	*04/28/21 13:43*	*1*

Definitions/Glossary

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

Job ID: 400-202274-1

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.
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: 400-202274-1

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)
400-202274-1	TB-ROX-041921-8260	92	108	91
400-202274-3	MW4-ROX-041921-EB	91	109	92
400-202274-3 MS	MW4-ROX-041921-EB	95	103	92
400-202274-3 MSD	MW4-ROX-041921-EB	95	104	93
400-202274-4	MW4-ROX-041921	91	110	93
400-202274-5	MW25-ROX-041921	89	105	90
400-202274-6	MW8-ROX-041921	88	114	93
400-202274-6 - DL	MW8-ROX-041921	82	97	92
400-202274-7	MW7-ROX-041921	93	114	89
400-202274-7 - DL	MW7-ROX-041921	82	98	91
400-202274-8	MW7-ROX-041921-DUP	89	110	90
400-202274-8 - DL	MW7-ROX-041921-DUP	83	97	92
LCS 400-529947/1002	Lab Control Sample	92	103	94
LCS 400-530019/1002	Lab Control Sample	83	105	92
MB 400-529947/4	Method Blank	87	105	91
MB 400-530019/11	Method Blank	83	101	91

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)
400-202274-3	MW4-ROX-041921-EB	79	7 S1-	68	27	98	55
400-202274-4	MW4-ROX-041921	74	13	65	37	81	77
400-202274-5	MW25-ROX-041921	84	41	74	66	85	87
400-202274-6	MW8-ROX-041921	84	28	74	56	60	90
400-202274-7	MW7-ROX-041921	83	65	75	79	77	100
400-202274-8	MW7-ROX-041921-DUP	79	0.02 S1-	68	15 S1-	81	63
LCS 400-528836/2-A	Lab Control Sample	70	47	68	63	87	86
LCS 400-528836/4-A	Lab Control Sample	81	16	70	49	104	18 S1-
LCSD 400-528836/3-A	Lab Control Sample Dup	80	44	76	68	99	94
LCSD 400-528836/5-A	Lab Control Sample Dup	81	14	68	41	100	40
MB 400-528836/1-A	Method Blank	83	10 S1-	71	47	103	56

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: 400-202274-1

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)
400-202274-3	MW4-ROX-041921-EB	71	33	96
400-202274-4	MW4-ROX-041921	73	0.7 S1-	77
400-202274-5	MW25-ROX-041921	70	32	71
400-202274-6	MW8-ROX-041921	81	38	61
400-202274-7	MW7-ROX-041921	83	33	71
400-202274-8	MW7-ROX-041921-DUP	80	34	81
LCS 400-528836/2-A	Lab Control Sample	81	123	92
LCSD 400-528836/3-A	Lab Control Sample Dup	89	134 S1+	96
MB 400-528836/1-A	Method Blank	76	31	104

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)
400-202274-2	TB-ROX-041921-8011	117 p
400-202274-3	MW4-ROX-041921-EB	115 p
400-202274-4	MW4-ROX-041921	124 p
400-202274-5	MW25-ROX-041921	113 p
400-202274-6	MW8-ROX-041921	117 p
400-202274-7	MW7-ROX-041921	119 p
400-202274-8	MW7-ROX-041921-DUP	121 p
LCS 400-529347/2-A	Lab Control Sample	124 p
LCSD 400-529347/3-A	Lab Control Sample Dup	117 p
MB 400-529347/1-A	Method Blank	100 p

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method Summary

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

Job ID: 400-202274-1

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: 400-202274-1

Client Sample ID: TB-ROX-041921-8260

Lab Sample ID: 400-202274-1

Date Collected: 04/19/21 00:00
Date Received: 04/20/21 09:40

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	529947	05/01/21 15:44	SAB	TAL PEN

Client Sample ID: TB-ROX-041921-8011

Lab Sample ID: 400-202274-2

Date Collected: 04/19/21 00:00
Date Received: 04/20/21 09:40

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			34.9 mL	35 mL	529347	04/27/21 10:52	DS	TAL PEN
Total/NA	Analysis	8011		1			529420	04/28/21 11:43	DS	TAL PEN

Client Sample ID: MW4-ROX-041921-EB

Lab Sample ID: 400-202274-3

Date Collected: 04/19/21 08:20
Date Received: 04/20/21 09:40

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	529947	05/01/21 10:55	SAB	TAL PEN
Total/NA	Prep	3520C			234.6 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529302	04/27/21 10:18	S1B	TAL PEN
Total/NA	Prep	3520C			234.6 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529166	04/26/21 17:42	KJA	TAL PEN
Total/NA	Prep	8011			35 mL	35 mL	529347	04/27/21 10:52	DS	TAL PEN
Total/NA	Analysis	8011		1			529420	04/28/21 12:03	DS	TAL PEN

Client Sample ID: MW4-ROX-041921

Lab Sample ID: 400-202274-4

Date Collected: 04/19/21 09:20
Date Received: 04/20/21 09:40

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	529947	05/01/21 16:12	SAB	TAL PEN
Total/NA	Prep	3520C			238.2 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529302	04/27/21 10:39	S1B	TAL PEN
Total/NA	Prep	3520C			238.2 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529166	04/26/21 17:58	KJA	TAL PEN
Total/NA	Prep	8011			34.5 mL	35 mL	529347	04/27/21 10:52	DS	TAL PEN
Total/NA	Analysis	8011		1			529420	04/28/21 12:23	DS	TAL PEN

Client Sample ID: MW25-ROX-041921

Lab Sample ID: 400-202274-5

Date Collected: 04/19/21 10:05
Date Received: 04/20/21 09:40

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	529947	05/01/21 16:39	SAB	TAL PEN
Total/NA	Prep	3520C			241.4 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529302	04/27/21 11:00	S1B	TAL PEN

Lab Chronicle

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

Job ID: 400-202274-1

Client Sample ID: MW25-ROX-041921

Lab Sample ID: 400-202274-5

Date Collected: 04/19/21 10:05
Date Received: 04/20/21 09:40

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			241.4 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529166	04/26/21 18:13	KJA	TAL PEN
Total/NA	Prep	8011			35.4 mL	35 mL	529347	04/27/21 10:52	DS	TAL PEN
Total/NA	Analysis	8011		1			529420	04/28/21 12:43	DS	TAL PEN

Client Sample ID: MW8-ROX-041921

Lab Sample ID: 400-202274-6

Date Collected: 04/19/21 12:25
Date Received: 04/20/21 09:40

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	DL	2000	5 mL	5 mL	530019	05/02/21 22:48	SAB	TAL PEN
Total/NA	Analysis	8260B		1000	5 mL	5 mL	529947	05/01/21 12:10	SAB	TAL PEN
Total/NA	Prep	3520C			235.4 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529302	04/27/21 11:22	S1B	TAL PEN
Total/NA	Prep	3520C			235.4 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529166	04/26/21 18:29	KJA	TAL PEN
Total/NA	Prep	8011			35.5 mL	35 mL	529347	04/27/21 10:52	DS	TAL PEN
Total/NA	Analysis	8011		1			529420	04/28/21 13:03	DS	TAL PEN

Client Sample ID: MW7-ROX-041921

Lab Sample ID: 400-202274-7

Date Collected: 04/19/21 13:20
Date Received: 04/20/21 09:40

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	DL	5000	5 mL	5 mL	530019	05/02/21 23:12	SAB	TAL PEN
Total/NA	Analysis	8260B		1000	5 mL	5 mL	529947	05/01/21 12:33	SAB	TAL PEN
Total/NA	Prep	3520C			239.6 mL	1 mL	528836	04/24/21 09:04	KWS	TAL PEN
Total/NA	Analysis	8270D		1	0.4 mL	1.0 mL	529302	04/27/21 11:43	S1B	TAL PEN
Total/NA	Prep	3520C			239.6 mL	1 mL	528836	04/24/21 09:04	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529166	04/26/21 18:45	KJA	TAL PEN
Total/NA	Prep	8011			34.8 mL	35 mL	529347	04/27/21 10:52	DS	TAL PEN
Total/NA	Analysis	8011		1			529420	04/28/21 13:23	DS	TAL PEN

Client Sample ID: MW7-ROX-041921-DUP

Lab Sample ID: 400-202274-8

Date Collected: 04/19/21 13:20
Date Received: 04/20/21 09:40

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	DL	5000	5 mL	5 mL	530019	05/02/21 23:37	SAB	TAL PEN
Total/NA	Analysis	8260B		1000	5 mL	5 mL	529947	05/01/21 13:01	SAB	TAL PEN
Total/NA	Prep	3520C			240.6 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529302	04/27/21 12:05	S1B	TAL PEN
Total/NA	Prep	3520C			240.6 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529166	04/26/21 19:00	KJA	TAL PEN

Lab Chronicle

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

Job ID: 400-202274-1

Client Sample ID: MW7-ROX-041921-DUP

Lab Sample ID: 400-202274-8

Date Collected: 04/19/21 13:20
Date Received: 04/20/21 09:40

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	529347	04/27/21 10:52	DS	TAL PEN
Total/NA	Analysis	8011		1			529420	04/28/21 13:43	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-528836/1-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	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529206	04/26/21 16:03	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		1			529166	04/26/21 15:06	KJA	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-529347/1-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	529347	04/27/21 10:52	DS	TAL PEN
Total/NA	Analysis	8011		1			529420	04/28/21 08:43	DS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-529947/4

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	529947	05/01/21 09:45	SAB	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-530019/11

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	530019	05/02/21 14:07	SAB	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-528836/2-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	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529206	04/26/21 16:24	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			529166	04/26/21 15:21	KJA	TAL PEN

Lab Chronicle

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

Job ID: 400-202274-1

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-528836/4-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	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529206	04/26/21 17:07	S1B	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-529347/2-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	529347	04/27/21 10:52	DS	TAL PEN
Total/NA	Analysis	8011		1			529420	04/28/21 09:03	DS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-529947/1002
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	529947	05/01/21 08:57	SAB	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 400-530019/1002
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	530019	05/02/21 12:33	SAB	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-528836/3-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	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529206	04/26/21 16:46	S1B	TAL PEN
Total/NA	Prep	3520C			250 mL	1 mL	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D LL		5			529166	04/26/21 15:37	KJA	TAL PEN

Client Sample ID: Lab Control Sample Dup
Lab Sample ID: LCSD 400-528836/5-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	528836	04/23/21 09:52	KWS	TAL PEN
Total/NA	Analysis	8270D		1			529206	04/26/21 17:29	S1B	TAL PEN

Lab Chronicle

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

Job ID: 400-202274-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-529347/3-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	529347	04/27/21 10:52	DS	TAL PEN
Total/NA	Analysis	8011		1			529420	04/28/21 10:43	DS	TAL PEN

Client Sample ID: MW4-ROX-041921-EB

Lab Sample ID: 400-202274-3 MS

Date Collected: 04/19/21 08:20
Date Received: 04/20/21 09:40

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	529947	05/01/21 13:24	SAB	TAL PEN

Client Sample ID: MW4-ROX-041921-EB

Lab Sample ID: 400-202274-3 MSD

Date Collected: 04/19/21 08:20
Date Received: 04/20/21 09:40

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	529947	05/01/21 13:52	SAB	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: 400-202274-1

GC/MS VOA

Analysis Batch: 529947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202274-1	TB-ROX-041921-8260	Total/NA	Water	8260B	
400-202274-3	MW4-ROX-041921-EB	Total/NA	Water	8260B	
400-202274-4	MW4-ROX-041921	Total/NA	Water	8260B	
400-202274-5	MW25-ROX-041921	Total/NA	Water	8260B	
400-202274-6	MW8-ROX-041921	Total/NA	Water	8260B	
400-202274-7	MW7-ROX-041921	Total/NA	Water	8260B	
400-202274-8	MW7-ROX-041921-DUP	Total/NA	Water	8260B	
MB 400-529947/4	Method Blank	Total/NA	Water	8260B	
LCS 400-529947/1002	Lab Control Sample	Total/NA	Water	8260B	
400-202274-3 MS	MW4-ROX-041921-EB	Total/NA	Water	8260B	
400-202274-3 MSD	MW4-ROX-041921-EB	Total/NA	Water	8260B	

Analysis Batch: 530019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202274-6 - DL	MW8-ROX-041921	Total/NA	Water	8260B	
400-202274-7 - DL	MW7-ROX-041921	Total/NA	Water	8260B	
400-202274-8 - DL	MW7-ROX-041921-DUP	Total/NA	Water	8260B	
MB 400-530019/11	Method Blank	Total/NA	Water	8260B	
LCS 400-530019/1002	Lab Control Sample	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 528836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202274-3	MW4-ROX-041921-EB	Total/NA	Water	3520C	
400-202274-4	MW4-ROX-041921	Total/NA	Water	3520C	
400-202274-5	MW25-ROX-041921	Total/NA	Water	3520C	
400-202274-6	MW8-ROX-041921	Total/NA	Water	3520C	
400-202274-7	MW7-ROX-041921	Total/NA	Water	3520C	
400-202274-8	MW7-ROX-041921-DUP	Total/NA	Water	3520C	
MB 400-528836/1-A	Method Blank	Total/NA	Water	3520C	
LCS 400-528836/2-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 400-528836/4-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 400-528836/3-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 400-528836/5-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 529166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202274-3	MW4-ROX-041921-EB	Total/NA	Water	8270D LL	528836
400-202274-4	MW4-ROX-041921	Total/NA	Water	8270D LL	528836
400-202274-5	MW25-ROX-041921	Total/NA	Water	8270D LL	528836
400-202274-6	MW8-ROX-041921	Total/NA	Water	8270D LL	528836
400-202274-7	MW7-ROX-041921	Total/NA	Water	8270D LL	528836
400-202274-8	MW7-ROX-041921-DUP	Total/NA	Water	8270D LL	528836
MB 400-528836/1-A	Method Blank	Total/NA	Water	8270D LL	528836
LCS 400-528836/2-A	Lab Control Sample	Total/NA	Water	8270D LL	528836
LCSD 400-528836/3-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	528836

Analysis Batch: 529206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-528836/1-A	Method Blank	Total/NA	Water	8270D	528836

GC/MS Semi VOA (Continued)

Analysis Batch: 529206 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-528836/2-A	Lab Control Sample	Total/NA	Water	8270D	528836
LCS 400-528836/4-A	Lab Control Sample	Total/NA	Water	8270D	528836
LCSD 400-528836/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	528836
LCSD 400-528836/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	528836

Analysis Batch: 529302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202274-3	MW4-ROX-041921-EB	Total/NA	Water	8270D	528836
400-202274-4	MW4-ROX-041921	Total/NA	Water	8270D	528836
400-202274-5	MW25-ROX-041921	Total/NA	Water	8270D	528836
400-202274-6	MW8-ROX-041921	Total/NA	Water	8270D	528836
400-202274-7	MW7-ROX-041921	Total/NA	Water	8270D	528836
400-202274-8	MW7-ROX-041921-DUP	Total/NA	Water	8270D	528836

GC Semi VOA

Prep Batch: 529347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202274-2	TB-ROX-041921-8011	Total/NA	Water	8011	
400-202274-3	MW4-ROX-041921-EB	Total/NA	Water	8011	
400-202274-4	MW4-ROX-041921	Total/NA	Water	8011	
400-202274-5	MW25-ROX-041921	Total/NA	Water	8011	
400-202274-6	MW8-ROX-041921	Total/NA	Water	8011	
400-202274-7	MW7-ROX-041921	Total/NA	Water	8011	
400-202274-8	MW7-ROX-041921-DUP	Total/NA	Water	8011	
MB 400-529347/1-A	Method Blank	Total/NA	Water	8011	
LCS 400-529347/2-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 400-529347/3-A	Lab Control Sample Dup	Total/NA	Water	8011	

Analysis Batch: 529420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-202274-2	TB-ROX-041921-8011	Total/NA	Water	8011	529347
400-202274-3	MW4-ROX-041921-EB	Total/NA	Water	8011	529347
400-202274-4	MW4-ROX-041921	Total/NA	Water	8011	529347
400-202274-5	MW25-ROX-041921	Total/NA	Water	8011	529347
400-202274-6	MW8-ROX-041921	Total/NA	Water	8011	529347
400-202274-7	MW7-ROX-041921	Total/NA	Water	8011	529347
400-202274-8	MW7-ROX-041921-DUP	Total/NA	Water	8011	529347
MB 400-529347/1-A	Method Blank	Total/NA	Water	8011	529347
LCS 400-529347/2-A	Lab Control Sample	Total/NA	Water	8011	529347
LCSD 400-529347/3-A	Lab Control Sample Dup	Total/NA	Water	8011	529347

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-529947/4
Matrix: Water
Analysis Batch: 529947

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			05/01/21 09:45	1
Acrolein	ND		20	10	ug/L			05/01/21 09:45	1
Acrylonitrile	ND		10	2.8	ug/L			05/01/21 09:45	1
Benzene	ND		1.0	0.38	ug/L			05/01/21 09:45	1
Bromobenzene	ND		1.0	0.54	ug/L			05/01/21 09:45	1
Bromochloromethane	ND		1.0	0.52	ug/L			05/01/21 09:45	1
Bromodichloromethane	ND		1.0	0.50	ug/L			05/01/21 09:45	1
Bromoform	ND		5.0	0.71	ug/L			05/01/21 09:45	1
Bromomethane	ND		1.0	0.98	ug/L			05/01/21 09:45	1
2-Butanone (MEK)	ND		25	2.6	ug/L			05/01/21 09:45	1
Carbon disulfide	ND		1.0	0.50	ug/L			05/01/21 09:45	1
Carbon tetrachloride	ND		1.0	0.50	ug/L			05/01/21 09:45	1
Chlorobenzene	ND		1.0	0.50	ug/L			05/01/21 09:45	1
Dibromochloromethane	ND		1.0	0.50	ug/L			05/01/21 09:45	1
Chloroethane	ND		1.0	0.76	ug/L			05/01/21 09:45	1
2-Chloroethyl vinyl ether	ND		5.0	2.0	ug/L			05/01/21 09:45	1
Chloroform	ND		1.0	0.60	ug/L			05/01/21 09:45	1
1-Chlorohexane	ND		1.0	0.70	ug/L			05/01/21 09:45	1
Chloromethane	ND		1.0	0.83	ug/L			05/01/21 09:45	1
cis-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/01/21 09:45	1
cis-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/01/21 09:45	1
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L			05/01/21 09:45	1
1,3-Dichlorobenzene	ND		1.0	0.54	ug/L			05/01/21 09:45	1
1,4-Dichlorobenzene	ND		1.0	0.64	ug/L			05/01/21 09:45	1
Dichlorodifluoromethane	ND		1.0	0.85	ug/L			05/01/21 09:45	1
1,1-Dichloroethane	ND		1.0	0.50	ug/L			05/01/21 09:45	1
1,2-Dichloroethane	ND		1.0	0.50	ug/L			05/01/21 09:45	1
1,1-Dichloroethene	ND		1.0	0.50	ug/L			05/01/21 09:45	1
1,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/21 09:45	1
1,3-Dichloropropane	ND		1.0	0.50	ug/L			05/01/21 09:45	1
2,2-Dichloropropane	ND		1.0	0.50	ug/L			05/01/21 09:45	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			05/01/21 09:45	1
Ethylbenzene	ND		1.0	0.50	ug/L			05/01/21 09:45	1
Ethyl methacrylate	ND		1.0	0.60	ug/L			05/01/21 09:45	1
Hexachlorobutadiene	ND		5.0	0.90	ug/L			05/01/21 09:45	1
2-Hexanone	ND		25	3.1	ug/L			05/01/21 09:45	1
Isopropylbenzene	ND		1.0	0.53	ug/L			05/01/21 09:45	1
Methylene bromide	ND		5.0	0.59	ug/L			05/01/21 09:45	1
Methylene Chloride	ND		5.0	3.0	ug/L			05/01/21 09:45	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.8	ug/L			05/01/21 09:45	1
Methyl tert-butyl ether	ND		1.0	0.74	ug/L			05/01/21 09:45	1
m-Xylene & p-Xylene	ND		5.0	1.6	ug/L			05/01/21 09:45	1
Naphthalene	ND		1.0	1.0	ug/L			05/01/21 09:45	1
n-Butylbenzene	ND		1.0	0.76	ug/L			05/01/21 09:45	1
N-Propylbenzene	ND		1.0	0.69	ug/L			05/01/21 09:45	1
o-Chlorotoluene	ND		1.0	0.57	ug/L			05/01/21 09:45	1
o-Xylene	ND		5.0	0.60	ug/L			05/01/21 09:45	1
p-Chlorotoluene	ND		1.0	0.56	ug/L			05/01/21 09:45	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-529947/4
Matrix: Water
Analysis Batch: 529947

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			05/01/21 09:45	1
sec-Butylbenzene	ND		1.0	0.70	ug/L			05/01/21 09:45	1
Styrene	ND		1.0	1.0	ug/L			05/01/21 09:45	1
tert-Butylbenzene	ND		1.0	0.63	ug/L			05/01/21 09:45	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.52	ug/L			05/01/21 09:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	ug/L			05/01/21 09:45	1
Tetrachloroethene	ND		1.0	0.58	ug/L			05/01/21 09:45	1
Toluene	ND		1.0	0.41	ug/L			05/01/21 09:45	1
trans-1,2-Dichloroethene	ND		1.0	0.50	ug/L			05/01/21 09:45	1
trans-1,3-Dichloropropene	ND		5.0	0.50	ug/L			05/01/21 09:45	1
1,2,3-Trichlorobenzene	ND		1.0	0.70	ug/L			05/01/21 09:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.82	ug/L			05/01/21 09:45	1
1,1,1-Trichloroethane	ND		1.0	0.50	ug/L			05/01/21 09:45	1
1,1,2-Trichloroethane	ND		5.0	0.50	ug/L			05/01/21 09:45	1
Trichloroethene	ND		1.0	0.50	ug/L			05/01/21 09:45	1
Trichlorofluoromethane	ND		1.0	0.52	ug/L			05/01/21 09:45	1
1,2,3-Trichloropropane	ND		5.0	0.84	ug/L			05/01/21 09:45	1
1,2,4-Trimethylbenzene	ND		1.0	0.82	ug/L			05/01/21 09:45	1
1,3,5-Trimethylbenzene	ND		1.0	0.56	ug/L			05/01/21 09:45	1
Vinyl acetate	ND		25	2.0	ug/L			05/01/21 09:45	1
Vinyl chloride	ND		1.0	0.50	ug/L			05/01/21 09:45	1
Xylenes, Total	ND		10	1.6	ug/L			05/01/21 09:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*05/01/21 09:45*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*05/01/21 09:45*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/01/21 09:45*	*1*

Lab Sample ID: LCS 400-529947/1002
Matrix: Water
Analysis Batch: 529947

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	222		ug/L		111	43 - 160
Acrolein	500	651		ug/L		130	38 - 160
Acrylonitrile	500	446		ug/L		89	64 - 142
Benzene	50.0	55.6		ug/L		111	70 - 130
Bromobenzene	50.0	57.6		ug/L		115	70 - 132
Bromochloromethane	50.0	58.8		ug/L		118	70 - 130
Bromodichloromethane	50.0	60.0		ug/L		120	67 - 133
Bromoform	50.0	31.9		ug/L		64	57 - 140
Bromomethane	50.0	62.9		ug/L		126	10 - 160
2-Butanone (MEK)	200	214		ug/L		107	61 - 145
Carbon disulfide	50.0	55.2		ug/L		110	61 - 137
Carbon tetrachloride	50.0	65.8		ug/L		132	61 - 137
Chlorobenzene	50.0	57.3		ug/L		115	70 - 130
Dibromochloromethane	50.0	56.8		ug/L		114	67 - 135
Chloroethane	50.0	45.8		ug/L		92	55 - 141

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529947/1002
Matrix: Water
Analysis Batch: 529947

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	45.9		ug/L		92	10 - 160
Chloroform	50.0	61.6		ug/L		123	69 - 130
1-Chlorohexane	50.0	48.0		ug/L		96	69 - 130
Chloromethane	50.0	32.2		ug/L		64	58 - 137
cis-1,2-Dichloroethene	50.0	55.4		ug/L		111	68 - 130
cis-1,3-Dichloropropene	50.0	57.4		ug/L		115	69 - 132
1,2-Dichlorobenzene	50.0	56.9		ug/L		114	67 - 130
1,3-Dichlorobenzene	50.0	63.2		ug/L		126	70 - 130
1,4-Dichlorobenzene	50.0	62.8		ug/L		126	70 - 130
Dichlorodifluoromethane	50.0	33.8		ug/L		68	41 - 146
1,1-Dichloroethane	50.0	52.4		ug/L		105	70 - 130
1,2-Dichloroethane	50.0	60.8		ug/L		122	69 - 130
1,1-Dichloroethene	50.0	60.1		ug/L		120	63 - 134
1,2-Dichloropropane	50.0	48.5		ug/L		97	70 - 130
1,3-Dichloropropane	50.0	51.7		ug/L		103	70 - 130
2,2-Dichloropropane	50.0	61.6		ug/L		123	52 - 135
1,1-Dichloropropene	50.0	55.7		ug/L		111	70 - 130
Ethylbenzene	50.0	54.1		ug/L		108	70 - 130
Ethyl methacrylate	50.0	51.7		ug/L		103	68 - 130
Hexachlorobutadiene	50.0	77.9	*+	ug/L		156	53 - 140
2-Hexanone	200	160		ug/L		80	65 - 137
Isopropylbenzene	50.0	57.5		ug/L		115	70 - 130
Methylene bromide	50.0	61.4		ug/L		123	70 - 130
Methylene Chloride	50.0	58.1		ug/L		116	66 - 135
4-Methyl-2-pentanone (MIBK)	200	180		ug/L		90	69 - 138
Methyl tert-butyl ether	50.0	64.0		ug/L		128	66 - 130
m-Xylene & p-Xylene	50.0	54.7		ug/L		109	70 - 130
Naphthalene	50.0	51.7		ug/L		103	47 - 149
n-Butylbenzene	50.0	54.6		ug/L		109	67 - 130
N-Propylbenzene	50.0	54.9		ug/L		110	70 - 130
o-Chlorotoluene	50.0	52.0		ug/L		104	70 - 130
o-Xylene	50.0	55.6		ug/L		111	70 - 130
p-Chlorotoluene	50.0	53.2		ug/L		106	70 - 130
p-Isopropyltoluene	50.0	58.2		ug/L		116	65 - 130
sec-Butylbenzene	50.0	53.2		ug/L		106	66 - 130
Styrene	50.0	54.1		ug/L		108	70 - 130
tert-Butylbenzene	50.0	57.4		ug/L		115	64 - 139
1,1,1,2-Tetrachloroethane	50.0	59.4		ug/L		119	67 - 131
1,1,2,2-Tetrachloroethane	50.0	48.0		ug/L		96	70 - 131
Tetrachloroethene	50.0	56.3		ug/L		113	65 - 130
Toluene	50.0	53.5		ug/L		107	70 - 130
trans-1,2-Dichloroethene	50.0	61.4		ug/L		123	70 - 130
trans-1,3-Dichloropropene	50.0	54.6		ug/L		109	63 - 130
1,2,3-Trichlorobenzene	50.0	65.2		ug/L		130	60 - 138
1,2,4-Trichlorobenzene	50.0	63.0		ug/L		126	60 - 140
1,1,1-Trichloroethane	50.0	62.0		ug/L		124	68 - 130
1,1,2-Trichloroethane	50.0	51.1		ug/L		102	70 - 130
Trichloroethene	50.0	62.9		ug/L		126	70 - 130
Trichlorofluoromethane	50.0	61.9		ug/L		124	65 - 138

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-529947/1002
Matrix: Water
Analysis Batch: 529947

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	51.9		ug/L		104	70 - 130
1,2,4-Trimethylbenzene	50.0	52.6		ug/L		105	70 - 130
1,3,5-Trimethylbenzene	50.0	54.5		ug/L		109	69 - 130
Vinyl acetate	100	147		ug/L		147	26 - 160
Vinyl chloride	50.0	45.4		ug/L		91	59 - 136
Xylenes, Total	100	110		ug/L		110	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*78 - 118*
Dibromofluoromethane	*103*		*81 - 121*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: 400-202274-3 MS
Matrix: Water
Analysis Batch: 529947

Client Sample ID: MW4-ROX-041921-EB
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		200	215		ug/L		108	43 - 150
Acrolein	ND		500	647		ug/L		129	38 - 150
Acrylonitrile	ND		500	463		ug/L		93	62 - 149
Benzene	ND		50.0	57.9		ug/L		116	56 - 142
Bromobenzene	ND		50.0	55.3		ug/L		111	59 - 136
Bromochloromethane	ND		50.0	59.3		ug/L		119	64 - 140
Bromodichloromethane	ND		50.0	60.8		ug/L		122	59 - 143
Bromoform	ND		50.0	55.9		ug/L		112	50 - 140
Bromomethane	ND		50.0	49.3		ug/L		99	10 - 150
2-Butanone (MEK)	ND		200	252		ug/L		126	55 - 150
Carbon disulfide	ND		50.0	57.0		ug/L		114	48 - 150
Carbon tetrachloride	ND		50.0	64.5		ug/L		129	55 - 145
Chlorobenzene	ND		50.0	55.2		ug/L		110	64 - 130
Dibromochloromethane	ND		50.0	54.7		ug/L		109	56 - 143
Chloroethane	ND		50.0	44.6		ug/L		89	50 - 150
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150
Chloroform	ND		50.0	62.5		ug/L		125	60 - 141
1-Chlorohexane	ND		50.0	44.7		ug/L		89	56 - 136
Chloromethane	ND		50.0	29.9		ug/L		60	49 - 148
cis-1,2-Dichloroethene	ND		50.0	56.4		ug/L		113	59 - 143
cis-1,3-Dichloropropene	ND		50.0	59.1		ug/L		118	57 - 140
1,2-Dichlorobenzene	ND		50.0	54.9		ug/L		110	52 - 137
1,3-Dichlorobenzene	ND		50.0	53.9		ug/L		108	54 - 135
1,4-Dichlorobenzene	ND		50.0	55.2		ug/L		110	53 - 135
Dichlorodifluoromethane	ND		50.0	31.3		ug/L		63	16 - 150
1,1-Dichloroethane	ND		50.0	56.3		ug/L		113	61 - 144
1,2-Dichloroethane	ND		50.0	62.7		ug/L		125	60 - 141
1,1-Dichloroethene	ND		50.0	63.5		ug/L		127	54 - 147
1,2-Dichloropropane	ND		50.0	48.9		ug/L		98	66 - 137
1,3-Dichloropropane	ND		50.0	50.5		ug/L		101	66 - 133
2,2-Dichloropropane	ND		50.0	65.3		ug/L		131	42 - 144

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-202274-3 MS
Matrix: Water
Analysis Batch: 529947

Client Sample ID: MW4-ROX-041921-EB
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	57.5		ug/L		115	65 - 136
Ethylbenzene	ND		50.0	50.7		ug/L		101	58 - 131
Ethyl methacrylate	ND		50.0	53.6		ug/L		107	64 - 130
Hexachlorobutadiene	ND	*+	50.0	64.2		ug/L		128	31 - 149
2-Hexanone	ND		200	157		ug/L		79	65 - 140
Isopropylbenzene	ND		50.0	52.8		ug/L		106	56 - 133
Methylene bromide	ND		50.0	63.5		ug/L		127	63 - 138
Methylene Chloride	ND		50.0	58.6		ug/L		117	60 - 146
4-Methyl-2-pentanone (MIBK)	ND		200	191		ug/L		95	63 - 146
Methyl tert-butyl ether	ND	F1	50.0	68.1		ug/L		136	59 - 137
m-Xylene & p-Xylene	ND		50.0	52.0		ug/L		104	57 - 130
Naphthalene	ND		50.0	48.3		ug/L		97	25 - 150
n-Butylbenzene	ND		50.0	45.3		ug/L		91	41 - 142
N-Propylbenzene	ND		50.0	48.6		ug/L		97	51 - 138
o-Chlorotoluene	ND		50.0	46.8		ug/L		94	53 - 134
o-Xylene	ND		50.0	51.5		ug/L		103	61 - 130
p-Chlorotoluene	ND		50.0	47.1		ug/L		94	54 - 133
p-Isopropyltoluene	ND		50.0	49.8		ug/L		100	48 - 139
sec-Butylbenzene	ND		50.0	47.1		ug/L		94	50 - 138
Styrene	ND		50.0	51.4		ug/L		103	58 - 131
tert-Butylbenzene	ND		50.0	52.9		ug/L		106	54 - 146
1,1,1,2-Tetrachloroethane	ND		50.0	58.2		ug/L		116	59 - 137
1,1,2,2-Tetrachloroethane	ND		50.0	46.7		ug/L		93	66 - 135
Tetrachloroethene	ND		50.0	53.1		ug/L		106	52 - 133
Toluene	ND		50.0	50.8		ug/L		102	65 - 130
trans-1,2-Dichloroethene	ND		50.0	62.8		ug/L		126	61 - 143
trans-1,3-Dichloropropene	ND		50.0	53.3		ug/L		107	53 - 133
1,2,3-Trichlorobenzene	ND		50.0	55.7		ug/L		111	43 - 145
1,2,4-Trichlorobenzene	ND		50.0	55.6		ug/L		111	39 - 148
1,1,1-Trichloroethane	ND		50.0	63.2		ug/L		126	57 - 142
1,1,2-Trichloroethane	ND		50.0	51.8		ug/L		104	66 - 131
Trichloroethene	ND		50.0	66.6		ug/L		133	64 - 136
Trichlorofluoromethane	ND		50.0	58.1		ug/L		116	54 - 150
1,2,3-Trichloropropane	ND		50.0	49.7		ug/L		99	65 - 133
1,2,4-Trimethylbenzene	ND		50.0	47.5		ug/L		95	50 - 139
1,3,5-Trimethylbenzene	ND		50.0	49.0		ug/L		98	52 - 135
Vinyl acetate	ND	F1	100	136		ug/L		136	26 - 150
Vinyl chloride	ND		50.0	43.2		ug/L		86	46 - 150
Xylenes, Total	ND		100	103		ug/L		103	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*78 - 118*
Dibromofluoromethane	*103*		*81 - 121*
Toluene-d8 (Surr)	*92*		*80 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-202274-3 MSD
Matrix: Water
Analysis Batch: 529947

Client Sample ID: MW4-ROX-041921-EB
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	228		ug/L		114	43 - 150	6	30
Acrolein	ND		500	688		ug/L		138	38 - 150	6	31
Acrylonitrile	ND		500	499		ug/L		100	62 - 149	8	30
Benzene	ND		50.0	60.9		ug/L		122	56 - 142	5	30
Bromobenzene	ND		50.0	57.3		ug/L		115	59 - 136	4	30
Bromochloromethane	ND		50.0	65.1		ug/L		130	64 - 140	9	30
Bromodichloromethane	ND		50.0	63.2		ug/L		126	59 - 143	4	30
Bromoform	ND		50.0	60.6		ug/L		121	50 - 140	8	30
Bromomethane	ND		50.0	49.2		ug/L		98	10 - 150	0	50
2-Butanone (MEK)	ND		200	255		ug/L		127	55 - 150	1	30
Carbon disulfide	ND		50.0	60.3		ug/L		121	48 - 150	6	30
Carbon tetrachloride	ND		50.0	70.0		ug/L		140	55 - 145	8	30
Chlorobenzene	ND		50.0	58.6		ug/L		117	64 - 130	6	30
Dibromochloromethane	ND		50.0	59.1		ug/L		118	56 - 143	8	30
Chloroethane	ND		50.0	45.7		ug/L		91	50 - 150	3	30
2-Chloroethyl vinyl ether	ND	F1	50.0	ND	F1	ug/L		0	10 - 150	NC	50
Chloroform	ND		50.0	64.6		ug/L		129	60 - 141	3	30
1-Chlorohexane	ND		50.0	49.2		ug/L		98	56 - 136	10	30
Chloromethane	ND		50.0	31.6		ug/L		63	49 - 148	6	31
cis-1,2-Dichloroethene	ND		50.0	60.4		ug/L		121	59 - 143	7	30
cis-1,3-Dichloropropene	ND		50.0	64.6		ug/L		129	57 - 140	9	30
1,2-Dichlorobenzene	ND		50.0	57.6		ug/L		115	52 - 137	5	30
1,3-Dichlorobenzene	ND		50.0	60.7		ug/L		121	54 - 135	12	30
1,4-Dichlorobenzene	ND		50.0	61.1		ug/L		122	53 - 135	10	30
Dichlorodifluoromethane	ND		50.0	28.6		ug/L		57	16 - 150	9	31
1,1-Dichloroethane	ND		50.0	58.0		ug/L		116	61 - 144	3	30
1,2-Dichloroethane	ND		50.0	64.4		ug/L		129	60 - 141	3	30
1,1-Dichloroethene	ND		50.0	62.8		ug/L		126	54 - 147	1	30
1,2-Dichloropropane	ND		50.0	52.5		ug/L		105	66 - 137	7	30
1,3-Dichloropropane	ND		50.0	53.0		ug/L		106	66 - 133	5	30
2,2-Dichloropropane	ND		50.0	66.0		ug/L		132	42 - 144	1	31
1,1-Dichloropropene	ND		50.0	61.2		ug/L		122	65 - 136	6	30
Ethylbenzene	ND		50.0	55.4		ug/L		111	58 - 131	9	30
Ethyl methacrylate	ND		50.0	57.2		ug/L		114	64 - 130	7	30
Hexachlorobutadiene	ND	*+	50.0	72.3		ug/L		145	31 - 149	12	36
2-Hexanone	ND		200	166		ug/L		83	65 - 140	5	30
Isopropylbenzene	ND		50.0	57.2		ug/L		114	56 - 133	8	30
Methylene bromide	ND		50.0	68.9		ug/L		138	63 - 138	8	30
Methylene Chloride	ND		50.0	63.7		ug/L		127	60 - 146	8	32
4-Methyl-2-pentanone (MIBK)	ND		200	202		ug/L		101	63 - 146	6	30
Methyl tert-butyl ether	ND	F1	50.0	73.8	F1	ug/L		148	59 - 137	8	30
m-Xylene & p-Xylene	ND		50.0	56.3		ug/L		113	57 - 130	8	30
Naphthalene	ND		50.0	52.2		ug/L		104	25 - 150	8	30
n-Butylbenzene	ND		50.0	52.0		ug/L		104	41 - 142	14	31
N-Propylbenzene	ND		50.0	54.3		ug/L		109	51 - 138	11	30
o-Chlorotoluene	ND		50.0	53.3		ug/L		107	53 - 134	13	30
o-Xylene	ND		50.0	54.9		ug/L		110	61 - 130	6	30
p-Chlorotoluene	ND		50.0	52.4		ug/L		105	54 - 133	11	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-202274-3 MSD
Matrix: Water
Analysis Batch: 529947

Client Sample ID: MW4-ROX-041921-EB
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	56.4		ug/L		113	48 - 139	12	30
sec-Butylbenzene	ND		50.0	53.4		ug/L		107	50 - 138	13	30
Styrene	ND		50.0	55.3		ug/L		111	58 - 131	7	30
tert-Butylbenzene	ND		50.0	57.1		ug/L		114	54 - 146	8	30
1,1,1,2-Tetrachloroethane	ND		50.0	60.2		ug/L		120	59 - 137	3	30
1,1,2,2-Tetrachloroethane	ND		50.0	51.7		ug/L		103	66 - 135	10	30
Tetrachloroethene	ND		50.0	55.4		ug/L		111	52 - 133	4	30
Toluene	ND		50.0	54.8		ug/L		110	65 - 130	7	30
trans-1,2-Dichloroethene	ND		50.0	67.0		ug/L		134	61 - 143	6	30
trans-1,3-Dichloropropene	ND		50.0	56.5		ug/L		113	53 - 133	6	30
1,2,3-Trichlorobenzene	ND		50.0	58.9		ug/L		118	43 - 145	6	30
1,2,4-Trichlorobenzene	ND		50.0	56.5		ug/L		113	39 - 148	2	30
1,1,1-Trichloroethane	ND		50.0	66.4		ug/L		133	57 - 142	5	30
1,1,2-Trichloroethane	ND		50.0	55.3		ug/L		111	66 - 131	7	30
Trichloroethene	ND		50.0	66.8		ug/L		134	64 - 136	0	30
Trichlorofluoromethane	ND		50.0	57.6		ug/L		115	54 - 150	1	30
1,2,3-Trichloropropane	ND		50.0	52.3		ug/L		105	65 - 133	5	30
1,2,4-Trimethylbenzene	ND		50.0	52.4		ug/L		105	50 - 139	10	30
1,3,5-Trimethylbenzene	ND		50.0	54.1		ug/L		108	52 - 135	10	30
Vinyl acetate	ND	F1	100	162	F1	ug/L		162	26 - 150	17	33
Vinyl chloride	ND		50.0	43.4		ug/L		87	46 - 150	0	30
Xylenes, Total	ND		100	111		ug/L		111	59 - 130	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*78 - 118*
Dibromofluoromethane	*104*		*81 - 121*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: MB 400-530019/11
Matrix: Water
Analysis Batch: 530019

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			05/02/21 14:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*83*		*78 - 118*		*05/02/21 14:07*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*05/02/21 14:07*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*05/02/21 14:07*	*1*

Lab Sample ID: LCS 400-530019/1002
Matrix: Water
Analysis Batch: 530019

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	47.5		ug/L		95	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-530019/1002
Matrix: Water
Analysis Batch: 530019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	*83*		*78 - 118*
Dibromofluoromethane	*105*		*81 - 121*
Toluene-d8 (Surr)	*92*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-528836/1-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	ND		10	3.8	ug/L		04/23/21 09:52	04/26/21 16:03	1
Benzenethiol	ND		10	1.7	ug/L		04/23/21 09:52	04/26/21 16:03	1
Benzoic acid	ND		30	7.3	ug/L		04/23/21 09:52	04/26/21 16:03	1
Benzyl alcohol	ND		10	2.0	ug/L		04/23/21 09:52	04/26/21 16:03	1
Bis(2-chloroethoxy)methane	ND		10	0.16	ug/L		04/23/21 09:52	04/26/21 16:03	1
Bis(2-chloroethyl)ether	ND		10	2.7	ug/L		04/23/21 09:52	04/26/21 16:03	1
bis (2-chloroisopropyl) ether	ND		10	0.16	ug/L		04/23/21 09:52	04/26/21 16:03	1
Bis(2-ethylhexyl) phthalate	ND		10	5.0	ug/L		04/23/21 09:52	04/26/21 16:03	1
4-Bromophenyl phenyl ether	ND		10	0.20	ug/L		04/23/21 09:52	04/26/21 16:03	1
Butyl benzyl phthalate	ND		10	0.19	ug/L		04/23/21 09:52	04/26/21 16:03	1
4-Chloroaniline	ND		10	3.4	ug/L		04/23/21 09:52	04/26/21 16:03	1
4-Chloro-3-methylphenol	ND		10	3.8	ug/L		04/23/21 09:52	04/26/21 16:03	1
2-Chloronaphthalene	ND		10	0.14	ug/L		04/23/21 09:52	04/26/21 16:03	1
2-Chlorophenol	ND		10	2.2	ug/L		04/23/21 09:52	04/26/21 16:03	1
4-Chlorophenyl phenyl ether	ND		10	2.0	ug/L		04/23/21 09:52	04/26/21 16:03	1
Dibenz[a,h]acridine	ND		10	1.0	ug/L		04/23/21 09:52	04/26/21 16:03	1
Dibenzofuran	ND		10	0.17	ug/L		04/23/21 09:52	04/26/21 16:03	1
3,3'-Dichlorobenzidine	ND		10	2.6	ug/L		04/23/21 09:52	04/26/21 16:03	1
2,4-Dichlorophenol	ND		10	3.0	ug/L		04/23/21 09:52	04/26/21 16:03	1
Diethyl phthalate	ND		10	0.24	ug/L		04/23/21 09:52	04/26/21 16:03	1
2,4-Dimethylphenol	ND		10	3.5	ug/L		04/23/21 09:52	04/26/21 16:03	1
Dimethyl phthalate	ND		10	0.17	ug/L		04/23/21 09:52	04/26/21 16:03	1
Di-n-butyl phthalate	ND		10	2.7	ug/L		04/23/21 09:52	04/26/21 16:03	1
4,6-Dinitro-ortho-cresol	ND		10	1.6	ug/L		04/23/21 09:52	04/26/21 16:03	1
2,4-Dinitrophenol	ND		30	3.4	ug/L		04/23/21 09:52	04/26/21 16:03	1
2,4-Dinitrotoluene	ND		10	1.9	ug/L		04/23/21 09:52	04/26/21 16:03	1
2,6-Dinitrotoluene	ND		10	1.9	ug/L		04/23/21 09:52	04/26/21 16:03	1
Di-n-octyl phthalate	ND		10	0.17	ug/L		04/23/21 09:52	04/26/21 16:03	1
1,4-Dioxane	ND		10	1.0	ug/L		04/23/21 09:52	04/26/21 16:03	1
1,2-Diphenylhydrazine (as Azobenzene)	ND		10	1.0	ug/L		04/23/21 09:52	04/26/21 16:03	1
Hexachlorobenzene	ND		10	0.17	ug/L		04/23/21 09:52	04/26/21 16:03	1
Hexachlorocyclopentadiene	ND		20	2.6	ug/L		04/23/21 09:52	04/26/21 16:03	1
Hexachloroethane	ND		10	4.2	ug/L		04/23/21 09:52	04/26/21 16:03	1
Indene	ND		10	1.0	ug/L		04/23/21 09:52	04/26/21 16:03	1
Isophorone	ND		10	0.14	ug/L		04/23/21 09:52	04/26/21 16:03	1
2-Methylphenol	ND		10	1.8	ug/L		04/23/21 09:52	04/26/21 16:03	1
3 & 4 Methylphenol	ND		20	0.39	ug/L		04/23/21 09:52	04/26/21 16:03	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-528836/1-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		10	2.2	ug/L		04/23/21 09:52	04/26/21 16:03	1
3-Nitroaniline	ND		10	1.8	ug/L		04/23/21 09:52	04/26/21 16:03	1
4-Nitroaniline	ND		10	1.5	ug/L		04/23/21 09:52	04/26/21 16:03	1
Nitrobenzene	ND		10	0.13	ug/L		04/23/21 09:52	04/26/21 16:03	1
2-Nitrophenol	ND		10	5.2	ug/L		04/23/21 09:52	04/26/21 16:03	1
4-Nitrophenol	ND		10	2.1	ug/L		04/23/21 09:52	04/26/21 16:03	1
N-Nitrosodimethylamine	ND		10	3.5	ug/L		04/23/21 09:52	04/26/21 16:03	1
N-Nitrosodi-n-propylamine	ND		10	3.3	ug/L		04/23/21 09:52	04/26/21 16:03	1
N-Nitrosodiphenylamine	ND		10	0.18	ug/L		04/23/21 09:52	04/26/21 16:03	1
Pentachlorophenol	ND		20	1.4	ug/L		04/23/21 09:52	04/26/21 16:03	1
Phenol	ND		10	2.6	ug/L		04/23/21 09:52	04/26/21 16:03	1
Pyridine	ND		10	3.2	ug/L		04/23/21 09:52	04/26/21 16:03	1
Quinoline	ND		10	4.5	ug/L		04/23/21 09:52	04/26/21 16:03	1
2,4,5-Trichlorophenol	ND		10	3.7	ug/L		04/23/21 09:52	04/26/21 16:03	1
2,4,6-Trichlorophenol	ND		10	3.5	ug/L		04/23/21 09:52	04/26/21 16:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*46 - 124*	*04/23/21 09:52*	*04/26/21 16:03*	*1*
2-Fluorophenol	*10*	*S1-*	*13 - 113*	*04/23/21 09:52*	*04/26/21 16:03*	*1*
Nitrobenzene-d5	*71*		*36 - 126*	*04/23/21 09:52*	*04/26/21 16:03*	*1*
Phenol-d5	*47*		*17 - 127*	*04/23/21 09:52*	*04/26/21 16:03*	*1*
Terphenyl-d14	*103*		*44 - 149*	*04/23/21 09:52*	*04/26/21 16:03*	*1*
2,4,6-Tribromophenol	*56*		*26 - 150*	*04/23/21 09:52*	*04/26/21 16:03*	*1*

Lab Sample ID: LCS 400-528836/2-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aniline	120	85.9		ug/L		72	21 - 120
Benzoic acid	502	211		ug/L		42	10 - 144
Benzyl alcohol	120	80.8		ug/L		67	28 - 120
Bis(2-chloroethoxy)methane	120	71.5		ug/L		60	47 - 120
Bis(2-chloroethyl)ether	120	67.4		ug/L		56	44 - 120
bis (2-chloroisopropyl) ether	120	69.9		ug/L		58	33 - 121
Bis(2-ethylhexyl) phthalate	120	107		ug/L		89	52 - 147
4-Bromophenyl phenyl ether	120	102		ug/L		85	54 - 122
Butyl benzyl phthalate	120	103		ug/L		86	54 - 133
4-Chloroaniline	120	75.6		ug/L		63	26 - 120
4-Chloro-3-methylphenol	120	89.9		ug/L		75	48 - 131
2-Chloronaphthalene	120	86.8		ug/L		72	52 - 121
2-Chlorophenol	120	76.0		ug/L		63	40 - 120
4-Chlorophenyl phenyl ether	120	92.5		ug/L		77	56 - 125
Dibenz[a,h]acridine	120	94.4		ug/L		79	31 - 150
Dibenzofuran	120	92.2		ug/L		77	56 - 122
3,3'-Dichlorobenzidine	160	167		ug/L		105	36 - 132
2,4-Dichlorophenol	120	83.8		ug/L		70	49 - 120
Diethyl phthalate	120	96.2		ug/L		80	50 - 137

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528836/2-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dimethylphenol	120	82.1		ug/L		68	48 - 120
Dimethyl phthalate	120	91.2		ug/L		76	57 - 124
Di-n-butyl phthalate	120	109		ug/L		90	58 - 126
4,6-Dinitro-ortho-cresol	240	233		ug/L		97	23 - 148
2,4-Dinitrophenol	240	254		ug/L		106	10 - 150
2,4-Dinitrotoluene	120	98.3		ug/L		82	54 - 142
2,6-Dinitrotoluene	120	92.7		ug/L		77	55 - 130
Di-n-octyl phthalate	120	109		ug/L		91	57 - 138
1,4-Dioxane	120	62.1		ug/L		52	31 - 120
1,2-Diphenylhydrazine (as Azobenzene)	120	85.7		ug/L		71	45 - 124
Hexachlorobenzene	120	109		ug/L		91	52 - 129
Hexachlorocyclopentadiene	120	89.0		ug/L		74	10 - 134
Hexachloroethane	120	91.8		ug/L		76	20 - 120
Indene	120	88.6		ug/L		74	49 - 120
Isophorone	120	73.5		ug/L		61	48 - 120
2-Methylphenol	120	87.1		ug/L		73	46 - 124
3 & 4 Methylphenol	120	81.1		ug/L		68	45 - 120
2-Nitroaniline	120	82.0		ug/L		68	51 - 145
3-Nitroaniline	120	76.4		ug/L		64	37 - 127
4-Nitroaniline	120	70.2		ug/L		59	36 - 137
Nitrobenzene	120	70.7		ug/L		59	45 - 120
2-Nitrophenol	120	90.6		ug/L		75	40 - 124
4-Nitrophenol	240	199		ug/L		83	23 - 146
N-Nitrosodimethylamine	120	77.8		ug/L		65	29 - 137
N-Nitrosodi-n-propylamine	120	83.3		ug/L		69	45 - 120
N-Nitrosodiphenylamine	119	91.8		ug/L		77	54 - 120
Pentachlorophenol	240	182		ug/L		76	31 - 130
Phenol	120	72.1		ug/L		60	11 - 120
Pyridine	240	119		ug/L		50	16 - 120
Quinoline	120	89.1		ug/L		74	49 - 130
2,4,5-Trichlorophenol	120	93.2		ug/L		78	51 - 136
2,4,6-Trichlorophenol	120	86.7		ug/L		72	50 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*70*		*46 - 124*
2-Fluorophenol	*47*		*13 - 113*
Nitrobenzene-d5	*68*		*36 - 126*
Phenol-d5	*63*		*17 - 127*
Terphenyl-d14	*87*		*44 - 149*
2,4,6-Tribromophenol	*86*		*26 - 150*

Lab Sample ID: LCS 400-528836/4-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzenethiol	120	1.92	J *-	ug/L		2	10 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-528836/4-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528836

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	81		46 - 124
2-Fluorophenol	16		13 - 113
Nitrobenzene-d5	70		36 - 126
Phenol-d5	49		17 - 127
Terphenyl-d14	104		44 - 149
2,4,6-Tribromophenol	18	S1-	26 - 150

Lab Sample ID: LCSD 400-528836/3-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aniline	120	92.8		ug/L		77	21 - 120	8	30
Benzoic acid	502	207		ug/L		41	10 - 144	2	30
Benzyl alcohol	120	88.4		ug/L		74	28 - 120	9	30
Bis(2-chloroethoxy)methane	120	79.5		ug/L		66	47 - 120	11	30
Bis(2-chloroethyl)ether	120	78.1		ug/L		65	44 - 120	15	30
bis (2-chloroisopropyl) ether	120	78.2		ug/L		65	33 - 121	11	30
Bis(2-ethylhexyl) phthalate	120	119		ug/L		99	52 - 147	11	30
4-Bromophenyl phenyl ether	120	112		ug/L		93	54 - 122	10	30
Butyl benzyl phthalate	120	116		ug/L		96	54 - 133	11	30
4-Chloroaniline	120	80.6		ug/L		67	26 - 120	6	30
4-Chloro-3-methylphenol	120	98.5		ug/L		82	48 - 131	9	30
2-Chloronaphthalene	120	97.2		ug/L		81	52 - 121	11	30
2-Chlorophenol	120	78.9		ug/L		66	40 - 120	4	30
4-Chlorophenyl phenyl ether	120	104		ug/L		87	56 - 125	12	30
Dibenz[a,h]acridine	120	106		ug/L		89	31 - 150	12	30
Dibenzofuran	120	103		ug/L		86	56 - 122	11	30
3,3'-Dichlorobenzidine	160	182		ug/L		114	36 - 132	9	30
2,4-Dichlorophenol	120	88.7		ug/L		74	49 - 120	6	30
Diethyl phthalate	120	108		ug/L		90	50 - 137	11	30
2,4-Dimethylphenol	120	91.7		ug/L		76	48 - 120	11	30
Dimethyl phthalate	120	101		ug/L		84	57 - 124	10	30
Di-n-butyl phthalate	120	122		ug/L		101	58 - 126	11	30
4,6-Dinitro-ortho-cresol	240	253		ug/L		106	23 - 148	8	30
2,4-Dinitrophenol	240	262		ug/L		109	10 - 150	3	30
2,4-Dinitrotoluene	120	107		ug/L		90	54 - 142	9	30
2,6-Dinitrotoluene	120	103		ug/L		86	55 - 130	11	30
Di-n-octyl phthalate	120	122		ug/L		102	57 - 138	11	30
1,4-Dioxane	120	70.6		ug/L		59	31 - 120	13	30
1,2-Diphenylhydrazine (as Azobenzene)	120	95.4		ug/L		80	45 - 124	11	30
Hexachlorobenzene	120	122		ug/L		102	52 - 129	12	30
Hexachlorocyclopentadiene	120	90.0		ug/L		75	10 - 134	1	30
Hexachloroethane	120	105		ug/L		88	20 - 120	14	30
Indene	120	102		ug/L		85	49 - 120	14	30
Isophorone	120	82.0		ug/L		68	48 - 120	11	30
2-Methylphenol	120	101		ug/L		84	46 - 124	14	30
3 & 4 Methylphenol	120	89.4		ug/L		75	45 - 120	10	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 400-528836/3-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Nitroaniline	120	88.9		ug/L		74	51 - 145	8	30
3-Nitroaniline	120	84.6		ug/L		71	37 - 127	10	30
4-Nitroaniline	120	75.7		ug/L		63	36 - 137	7	30
Nitrobenzene	120	79.1		ug/L		66	45 - 120	11	30
2-Nitrophenol	120	97.1		ug/L		81	40 - 124	7	30
4-Nitrophenol	240	214		ug/L		89	23 - 146	7	30
N-Nitrosodimethylamine	120	84.0		ug/L		70	29 - 137	8	30
N-Nitrosodi-n-propylamine	120	92.8		ug/L		77	45 - 120	11	30
N-Nitrosodiphenylamine	119	102		ug/L		86	54 - 120	11	30
Pentachlorophenol	240	203		ug/L		85	31 - 130	11	30
Phenol	120	76.1		ug/L		63	11 - 120	5	30
Pyridine	240	137		ug/L		57	16 - 120	14	30
Quinoline	120	98.6		ug/L		82	49 - 130	10	30
2,4,5-Trichlorophenol	120	104		ug/L		87	51 - 136	11	30
2,4,6-Trichlorophenol	120	93.7		ug/L		78	50 - 127	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*80*		*46 - 124*
2-Fluorophenol	*44*		*13 - 113*
Nitrobenzene-d5	*76*		*36 - 126*
Phenol-d5	*68*		*17 - 127*
Terphenyl-d14	*99*		*44 - 149*
2,4,6-Tribromophenol	*94*		*26 - 150*

Lab Sample ID: LCSD 400-528836/5-A
Matrix: Water
Analysis Batch: 529206

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzenethiol	120	ND	*- *1	ug/L		1	10 - 120	35	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*46 - 124*
2-Fluorophenol	*14*		*13 - 113*
Nitrobenzene-d5	*68*		*36 - 126*
Phenol-d5	*41*		*17 - 127*
Terphenyl-d14	*100*		*44 - 149*
2,4,6-Tribromophenol	*40*		*26 - 150*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 400-528836/1-A
Matrix: Water
Analysis Batch: 529166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.032	ug/L		04/23/21 09:52	04/26/21 15:06	1
Acenaphthylene	ND		0.20	0.045	ug/L		04/23/21 09:52	04/26/21 15:06	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 400-528836/1-A
Matrix: Water
Analysis Batch: 529166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 528836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.20	0.032	ug/L		04/23/21 09:52	04/26/21 15:06	1
Benzo[a]anthracene	ND		0.20	0.046	ug/L		04/23/21 09:52	04/26/21 15:06	1
Benzo[a]pyrene	ND		0.20	0.042	ug/L		04/23/21 09:52	04/26/21 15:06	1
Benzo[b]fluoranthene	ND		0.20	0.034	ug/L		04/23/21 09:52	04/26/21 15:06	1
Benzo[g,h,i]perylene	ND		0.20	0.13	ug/L		04/23/21 09:52	04/26/21 15:06	1
Benzo[k]fluoranthene	ND		0.20	0.10	ug/L		04/23/21 09:52	04/26/21 15:06	1
Chrysene	ND		0.20	0.074	ug/L		04/23/21 09:52	04/26/21 15:06	1
Dibenz(a,h)anthracene	ND		0.20	0.050	ug/L		04/23/21 09:52	04/26/21 15:06	1
Fluoranthene	ND		0.20	0.068	ug/L		04/23/21 09:52	04/26/21 15:06	1
Fluorene	ND		0.20	0.11	ug/L		04/23/21 09:52	04/26/21 15:06	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.043	ug/L		04/23/21 09:52	04/26/21 15:06	1
1-Methylnaphthalene	ND		0.20	0.074	ug/L		04/23/21 09:52	04/26/21 15:06	1
2-Methylnaphthalene	ND		0.20	0.060	ug/L		04/23/21 09:52	04/26/21 15:06	1
Phenanthrene	ND		0.20	0.036	ug/L		04/23/21 09:52	04/26/21 15:06	1
Pyrene	ND		0.20	0.040	ug/L		04/23/21 09:52	04/26/21 15:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*15 - 122*	*04/23/21 09:52*	*04/26/21 15:06*	*1*
Nitrobenzene-d5	*31*		*19 - 130*	*04/23/21 09:52*	*04/26/21 15:06*	*1*
Terphenyl-d14	*104*		*33 - 138*	*04/23/21 09:52*	*04/26/21 15:06*	*1*

Lab Sample ID: LCS 400-528836/2-A
Matrix: Water
Analysis Batch: 529166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	120	107		ug/L		90	41 - 120
Acenaphthylene	120	110		ug/L		91	44 - 120
Anthracene	120	107		ug/L		89	49 - 120
Benzo[a]anthracene	120	102		ug/L		85	61 - 135
Benzo[a]pyrene	120	111		ug/L		92	52 - 120
Benzo[b]fluoranthene	120	96.4		ug/L		80	53 - 134
Benzo[g,h,i]perylene	120	91.1		ug/L		76	47 - 133
Benzo[k]fluoranthene	120	106		ug/L		88	57 - 134
Chrysene	120	99.4		ug/L		83	55 - 122
Dibenz(a,h)anthracene	120	92.0		ug/L		77	48 - 146
Fluoranthene	120	112		ug/L		93	54 - 128
Fluorene	120	112		ug/L		93	45 - 125
Indeno[1,2,3-cd]pyrene	120	93.7		ug/L		78	43 - 142
1-Methylnaphthalene	120	82.7		ug/L		69	41 - 120
2-Methylnaphthalene	120	92.7		ug/L		77	32 - 124
Phenanthrene	120	99.5		ug/L		83	48 - 120
Pyrene	120	105		ug/L		87	48 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*81*		*15 - 122*
Nitrobenzene-d5	*123*		*19 - 130*
Terphenyl-d14	*92*		*33 - 138*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: LCSD 400-528836/3-A
Matrix: Water
Analysis Batch: 529166

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 528836

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	120	116		ug/L		97	41 - 120	8	56
Acenaphthylene	120	116		ug/L		97	44 - 120	6	56
Anthracene	120	115		ug/L		96	49 - 120	8	51
Benzo[a]anthracene	120	106		ug/L		89	61 - 135	4	49
Benzo[a]pyrene	120	120		ug/L		100	52 - 120	8	50
Benzo[b]fluoranthene	120	102		ug/L		85	53 - 134	6	54
Benzo[g,h,i]perylene	120	103		ug/L		86	47 - 133	12	50
Benzo[k]fluoranthene	120	118		ug/L		98	57 - 134	11	52
Chrysene	120	106		ug/L		88	55 - 122	7	50
Dibenz(a,h)anthracene	120	105		ug/L		87	48 - 146	13	50
Fluoranthene	120	120		ug/L		100	54 - 128	7	52
Fluorene	120	120		ug/L		100	45 - 125	7	56
Indeno[1,2,3-cd]pyrene	120	105		ug/L		88	43 - 142	11	51
1-Methylnaphthalene	120	87.0		ug/L		72	41 - 120	5	55
2-Methylnaphthalene	120	97.9		ug/L		82	32 - 124	5	57
Phenanthrene	120	108		ug/L		90	48 - 120	8	56
Pyrene	120	109		ug/L		91	48 - 132	4	52

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*89*		*15 - 122*
Nitrobenzene-d5	*134*	*S1+*	*19 - 130*
Terphenyl-d14	*96*		*33 - 138*

Method: 8011 - EDB and DBCP in Water by Microextraction

Lab Sample ID: MB 400-529347/1-A
Matrix: Water
Analysis Batch: 529420

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529347

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		04/27/21 10:52	04/28/21 08:43	1
1,2-Dibromoethane	ND		0.020	0.0050	ug/L		04/27/21 10:52	04/28/21 08:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*	*p*	*51 - 149*	*04/27/21 10:52*	*04/28/21 08:43*	*1*

Lab Sample ID: LCS 400-529347/2-A
Matrix: Water
Analysis Batch: 529420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529347

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.101	0.130	p	ug/L		129	60 - 140
1,2-Dibromoethane	0.101	0.121	p	ug/L		120	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*124*	*p*	*51 - 149*

Method: 8011 - EDB and DBCP in Water by Microextraction (Continued)

Lab Sample ID: LCSD 400-529347/3-A
Matrix: Water
Analysis Batch: 529420

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 529347

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane			0.101	0.128	p	ug/L		127	60 - 140	1	30
1,2-Dibromoethane			0.101	0.122	p	ug/L		121	60 - 140	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*117*	*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 (_____)

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	☐ CHECK IF NO INCIDENT # APPLIES
Bob Mooshegian	25278	DATE: 4/19/21
PO #	GSAP Project ID	PAGE: 1 of 1
60648474 – 3.2.2F	USPC/00114/R/02	

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 – 3.2.2F
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): MD'Angelo Mayer
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
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
60648474 – 3.2.2F

400-202274 COC

FIELD NOTES:
TEMPERATURE ON RECEIPT C°: 0.0°C, 1.2°C
IR8
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	8011 EDB + DBCP	SVOC 8270	PAH 8270LL
	TB-ROX-041921-8260	4/19/21	0000	Water	2					2	X			
	TB-ROX-041921-8011		0000		2					2		X		
	MW4-ROX-041921-EB		0820		6			2		8	X	X	X	X
	MW4-ROX-041921		0920		6			2		8	X	X	X	X
	MW25-ROX-041921		1005		6			2		8	X	X	X	X
	MW8-ROX-041921		1225		6			2		8	X	X	X	X
	MW7-ROX-041921		1320		6			2		8	X	X	X	X
	MW7-ROX-041921-DUP		1320		6			2		8	X	X	X	X
	MD'Angelo													

Relinquished by: (Signature) MD'Angelo — Received by: (Signature) Fedex: 9509 0064 1320, 9509 0064 1331 — Date: 4/19/21 — Time: 1600
Relinquished by: (Signature) — Received by: (Signature) — Date: 4/20/21 — Time: 940
Relinquished by: (Signature) — Received by: (Signature) — Date: — Time:

CUSTODY SEALS: 1194879, 1194878, 1194881, 1194880

Version: 2Apr21

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5/6/2021

Login Sample Receipt Checklist

Client: AECOM Technical Services Inc.

Job Number: 400-202274-1

Login Number: 202274
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	1194879,1194878,1194881,1194880,
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, 1.2°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: 400-202274-1

Laboratory: Eurofins TestAmerica, Pensacola

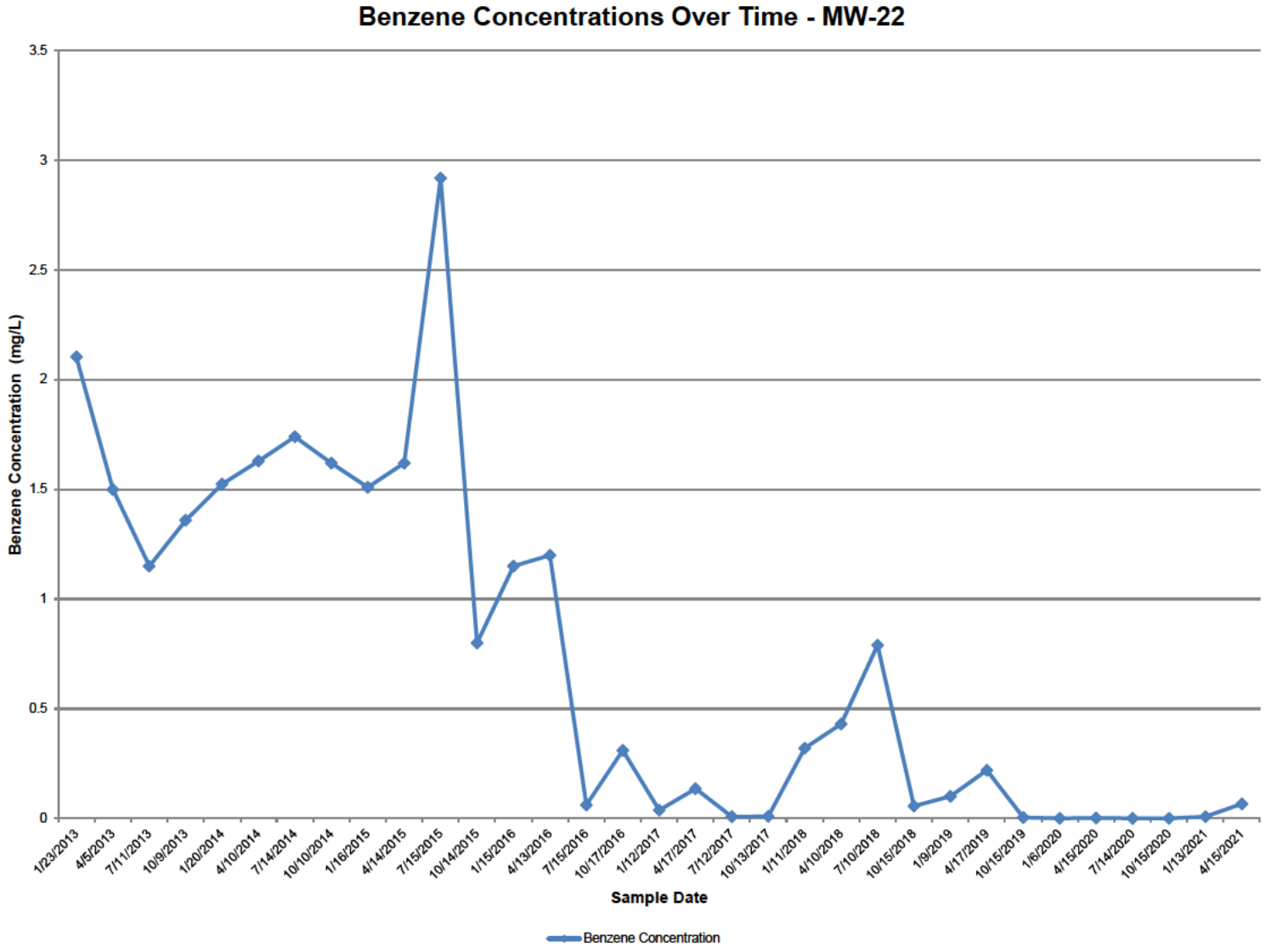
All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

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
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-21
Pennsylvania	NELAP	68-00467	01-31-22
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	P330-21-00056	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 – 1 Charts – Benzene Concentrations Over Time

Appendix D – 2 GWSDAT Charts

- 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



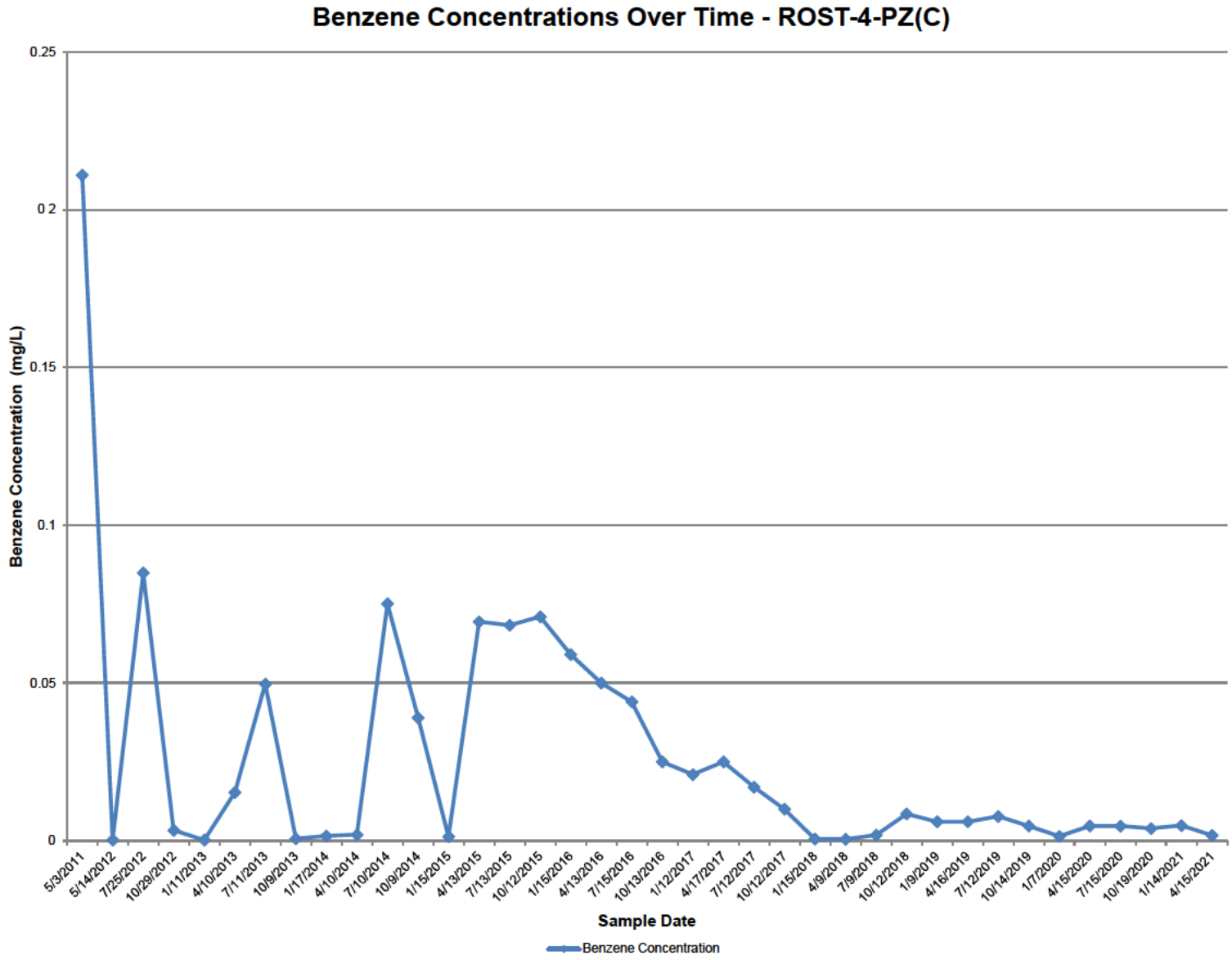
Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

Non-detect values are shown at half the reporting limit.

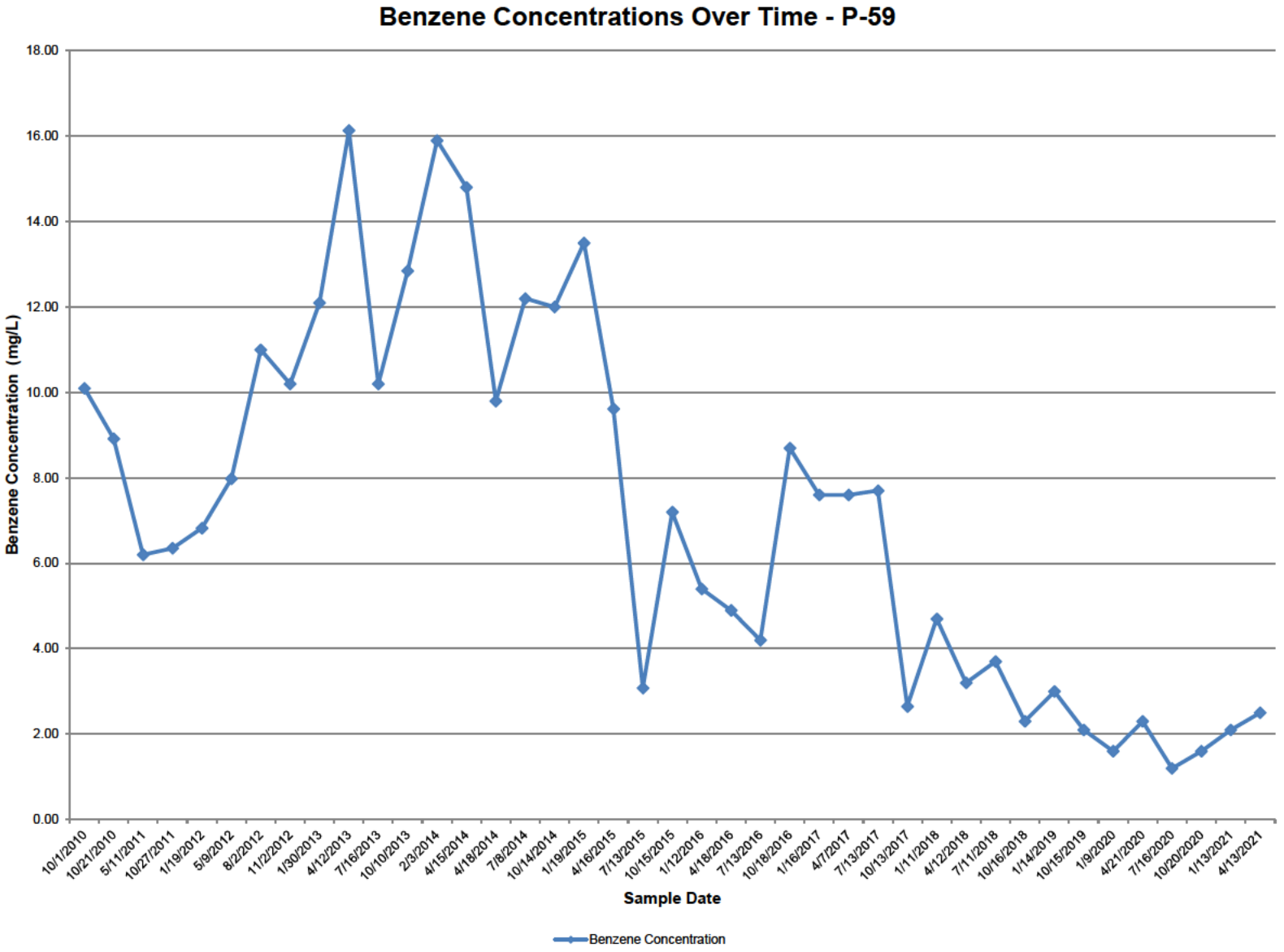


Notes:

mg/L = milligrams per liter

Timeframe specific to available data.

Non-detect values are shown at half the reporting limit.



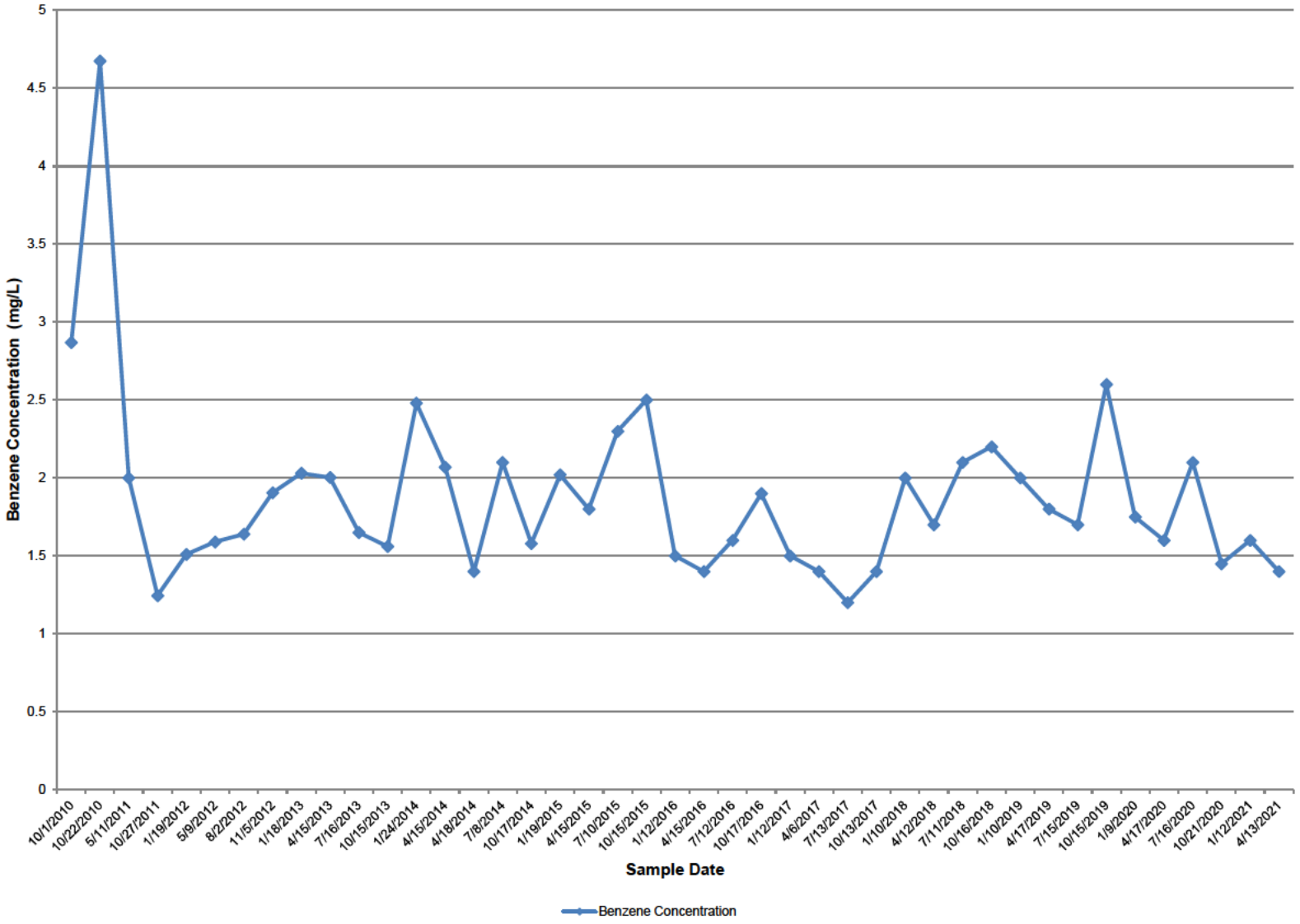
Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

Benzene Concentrations Over Time - T-12

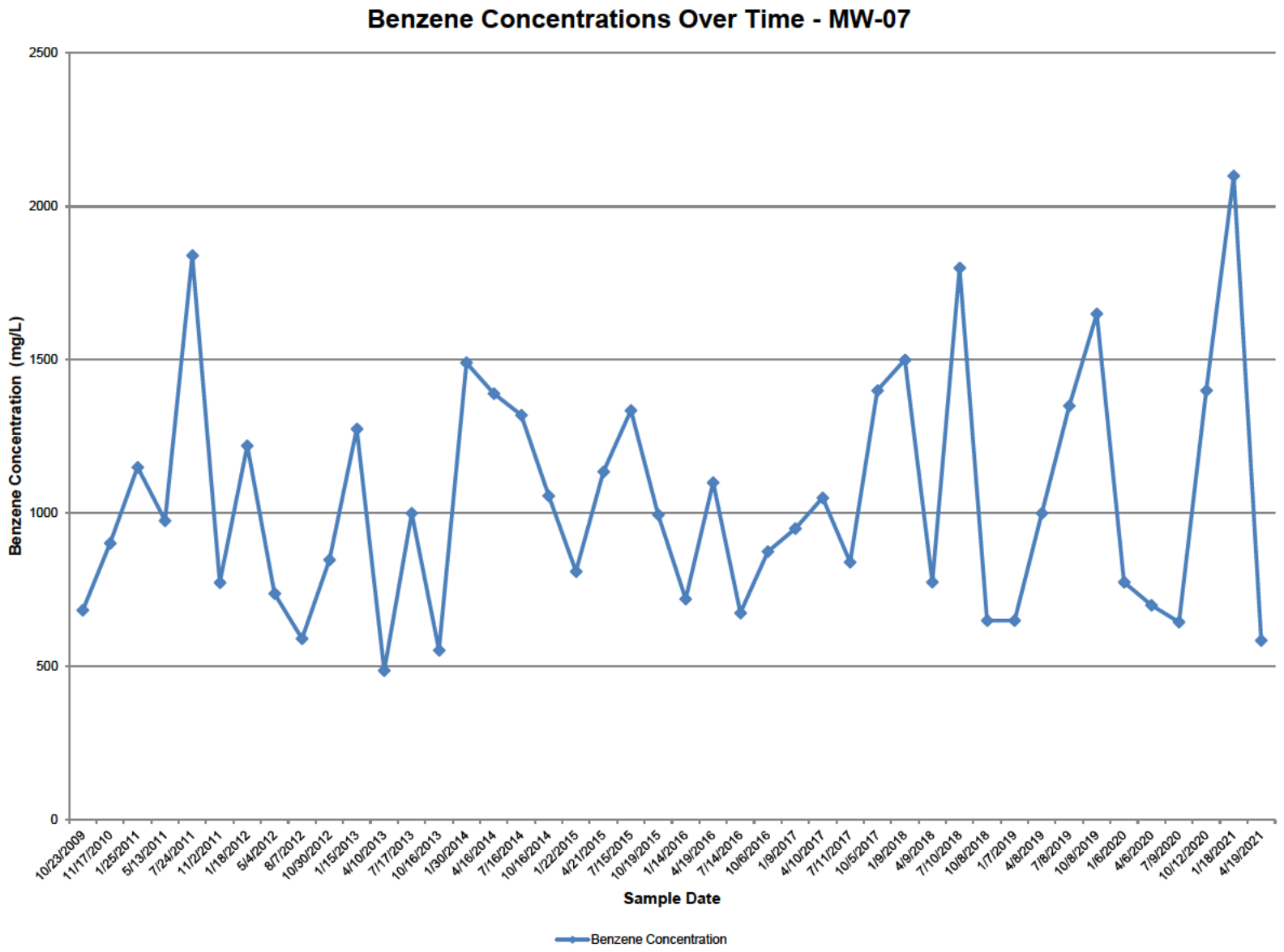


Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

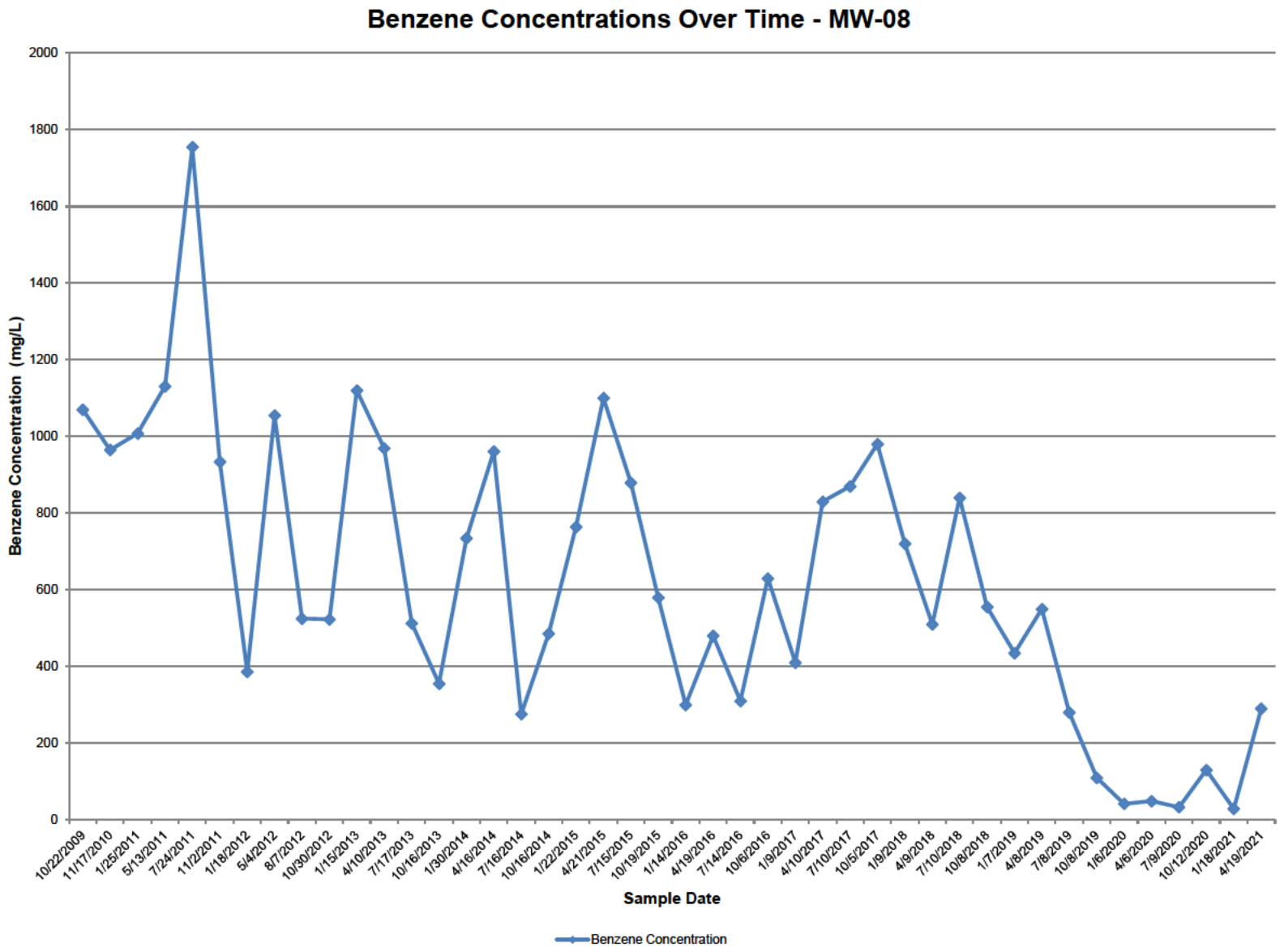


Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

Timeframe specific to available data.

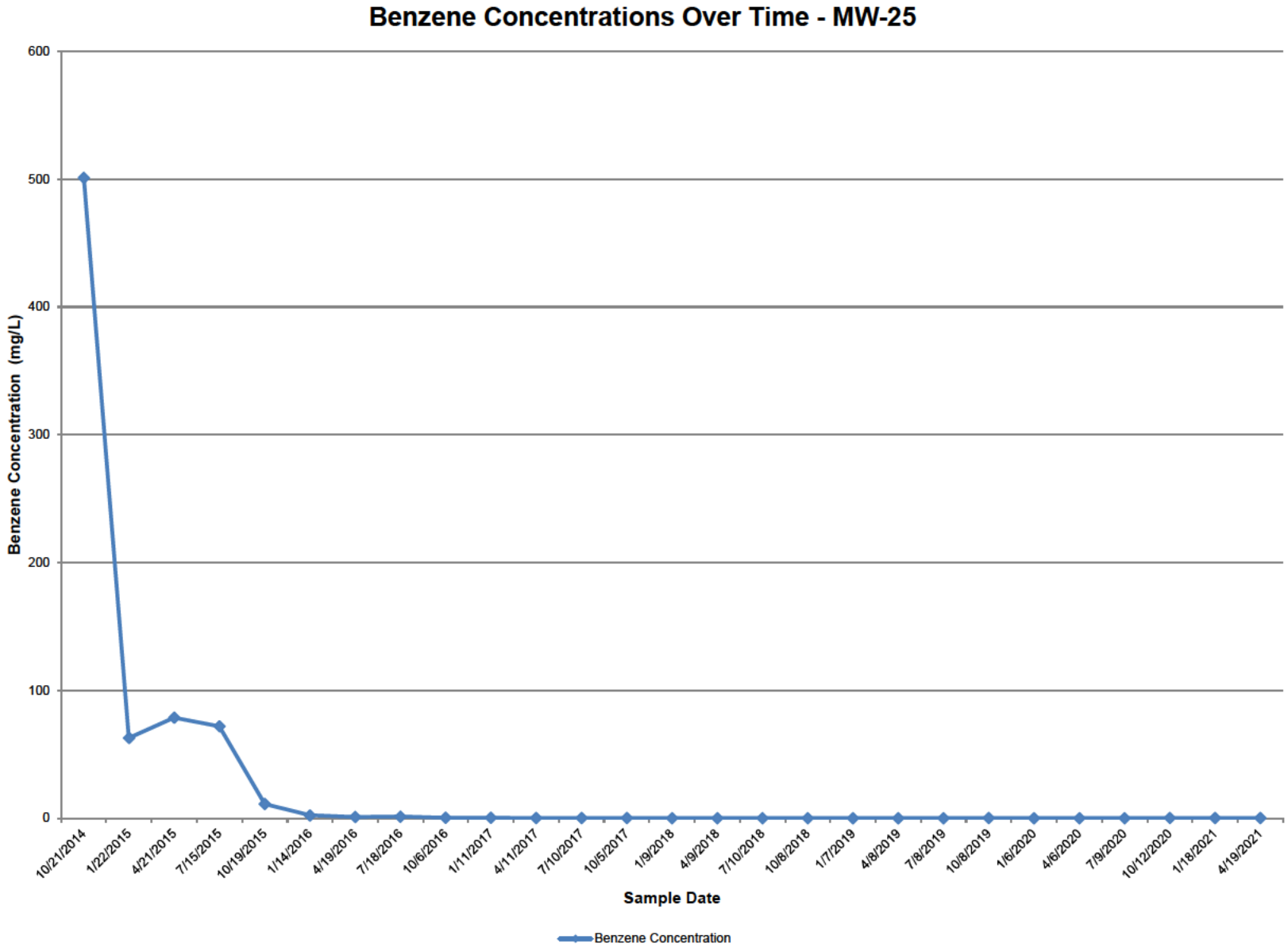


Notes:

mg/L = milligrams per liter

Duplicate values were averaged.

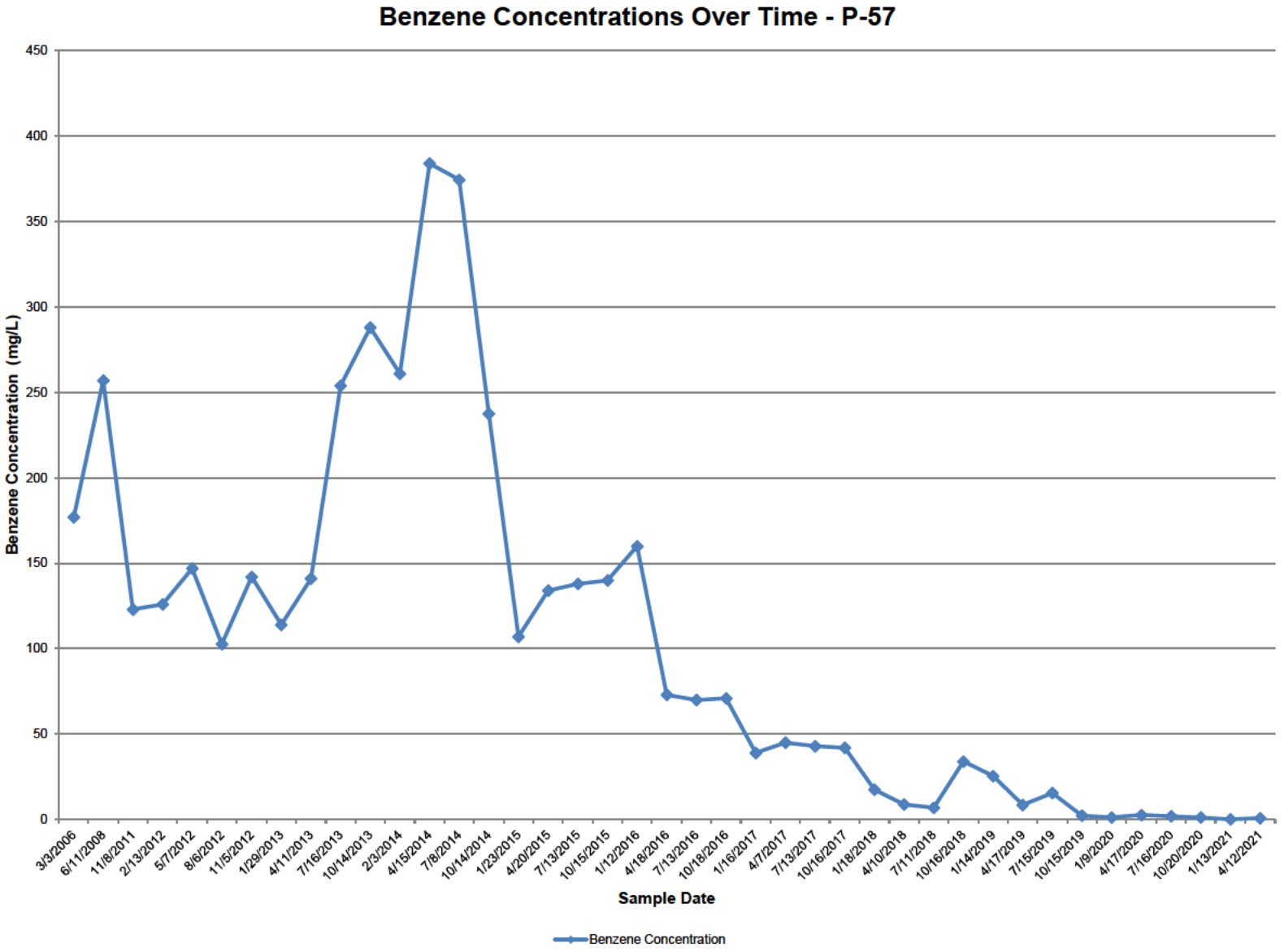
Timeframe specific to available data.



Notes:

mg/L = milligrams per liter

Duplicate values were averaged.



Notes:

mg/L = milligrams per liter

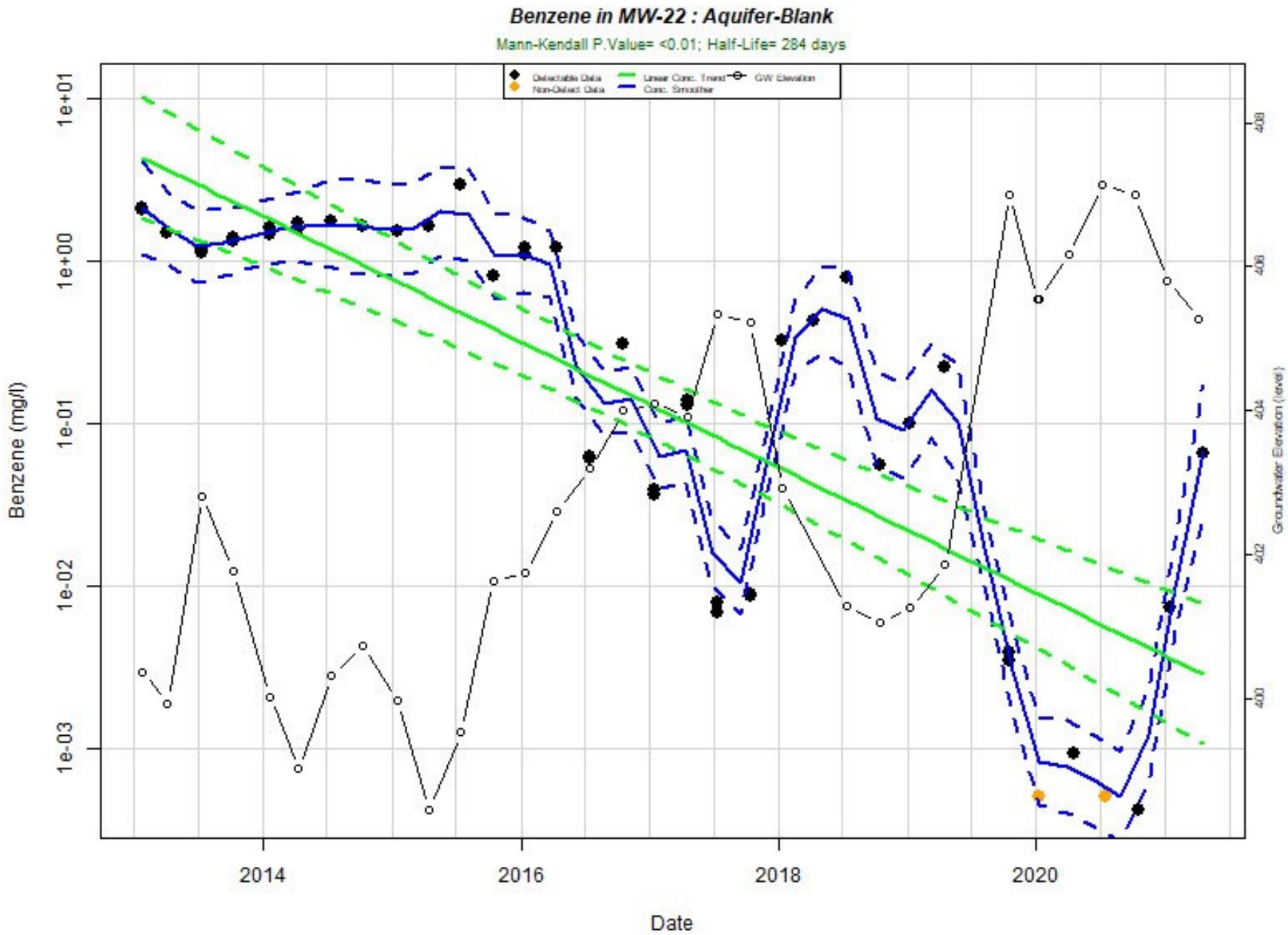
Duplicate values were averaged.

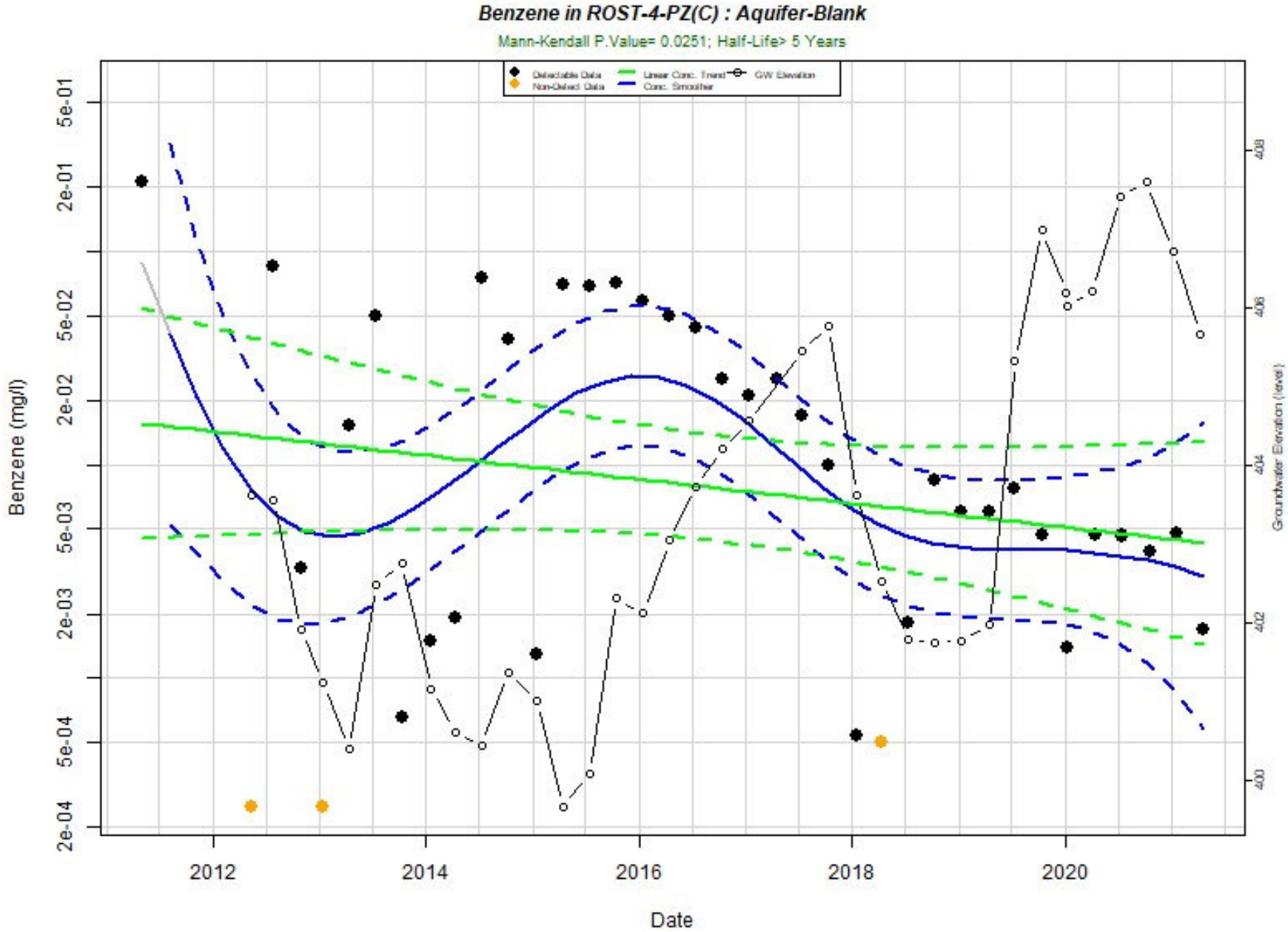
Timeframe specific to available data.

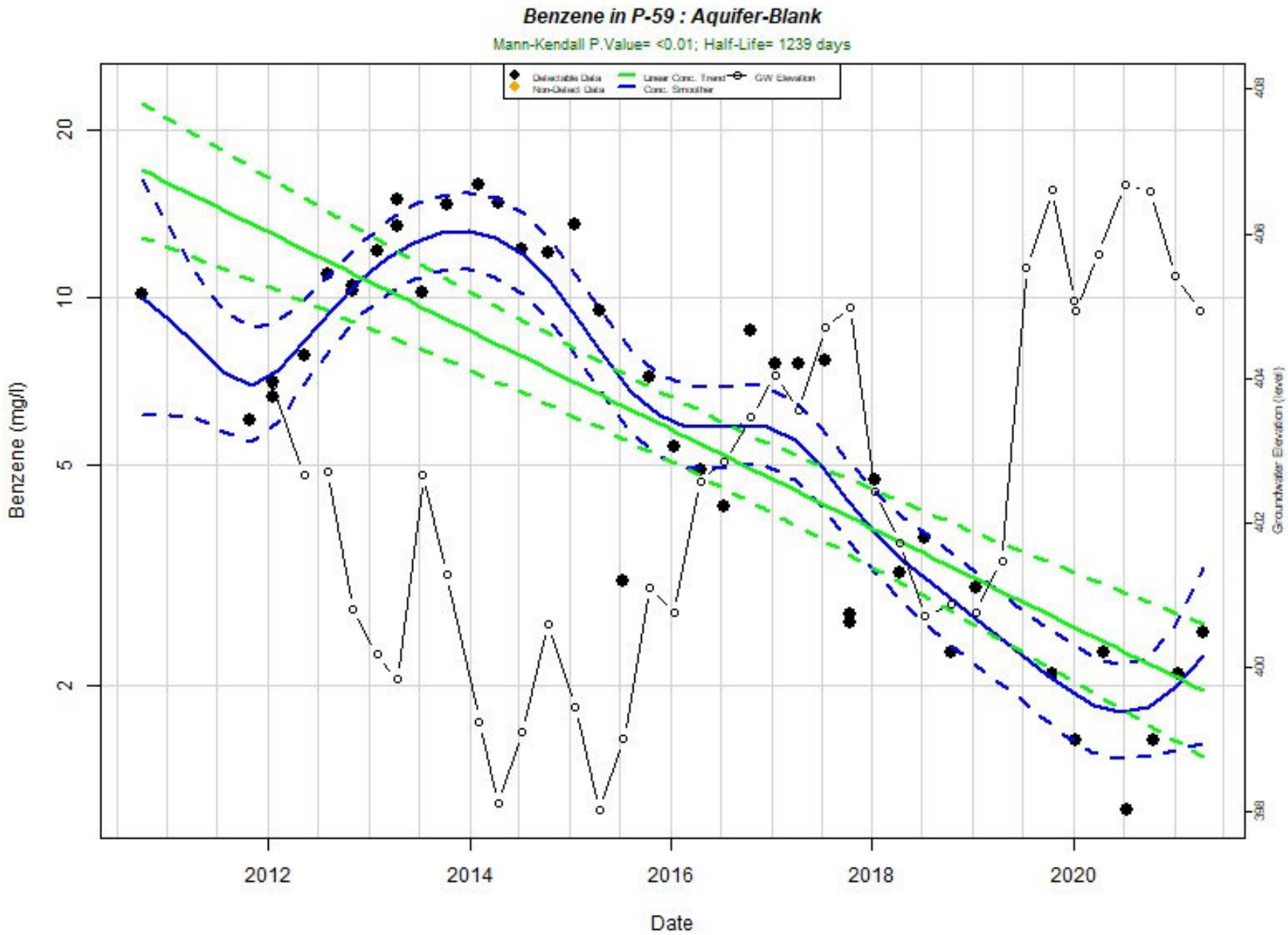
GWSDAT Summary/Legend

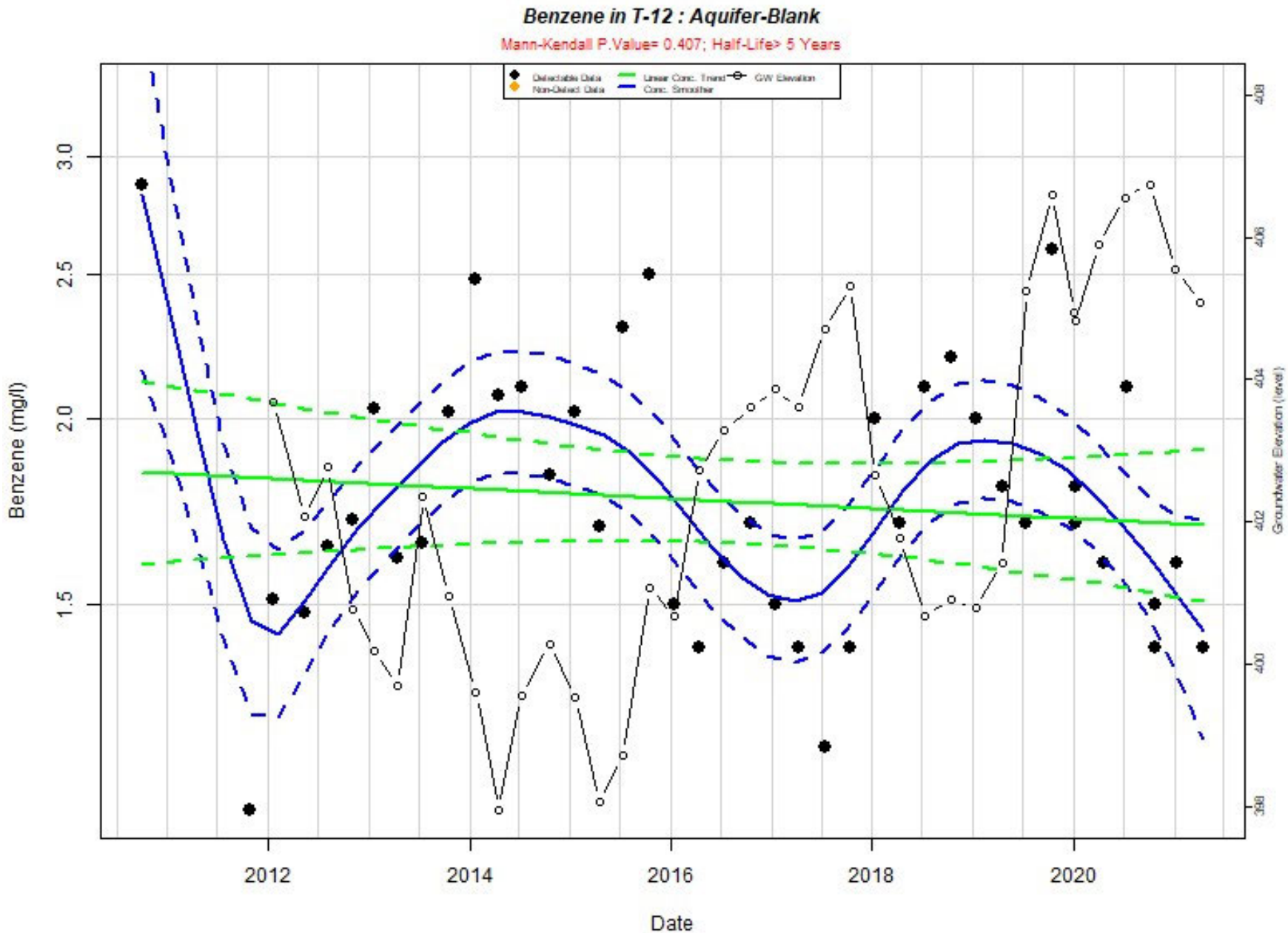
Black Solid Data Points	=	Detections
Orange Solid Data Points	=	Non-Detects
Black-Hollow Data Points	=	Groundwater Elevation
Solid Blue Line	=	Smoothed estimate of the mean trend
Dashed Blue Line	=	95% confidence interval around the estimated mean trend
Solid Green Line	=	Linear trend estimate (Mann-Kendall Analysis)
Dashed Green Line	=	95% confidence interval around linear trend estimate

4th Street Area

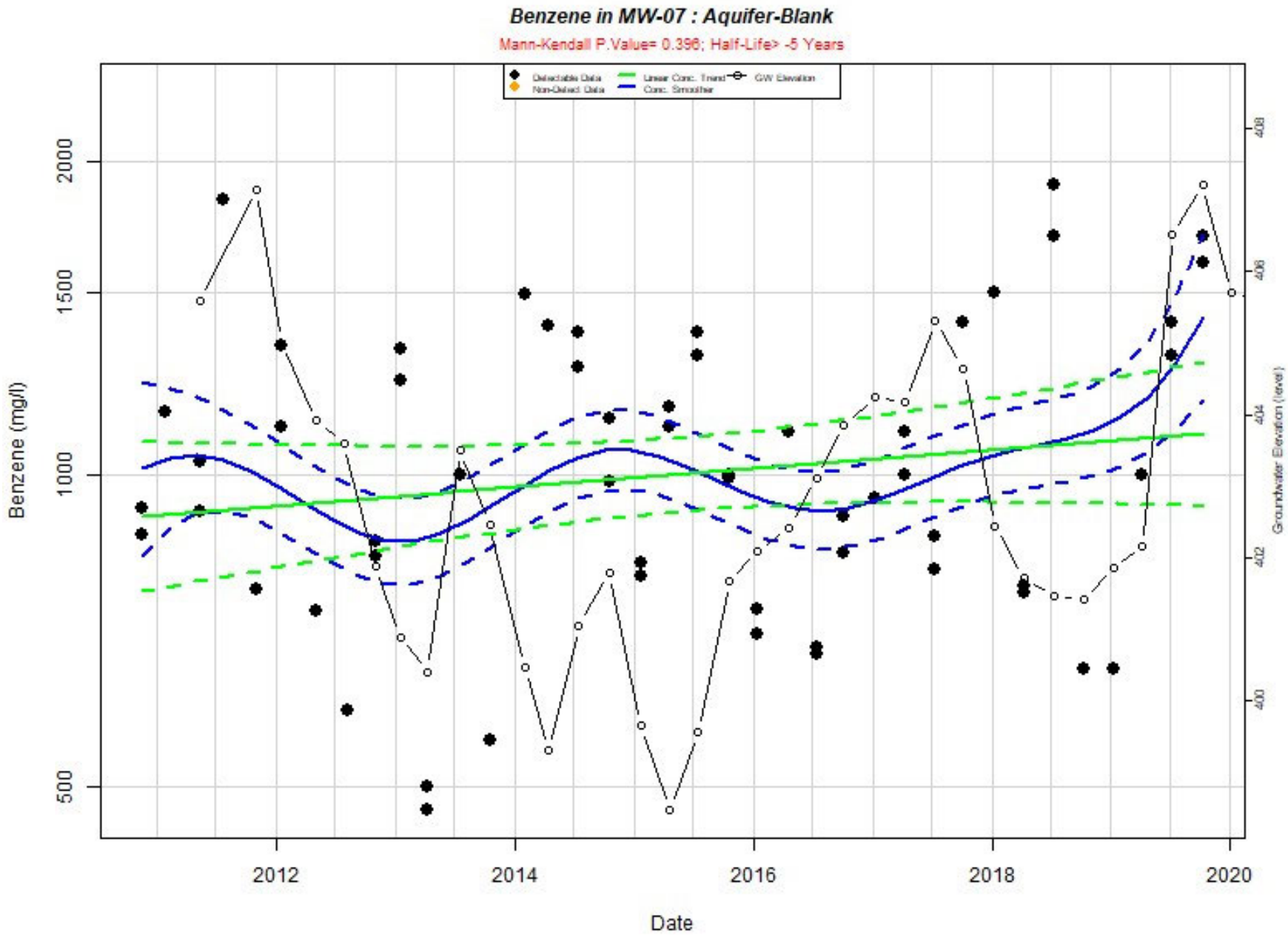

Benzene in MW-22 : Aquifer-Blank
Mann-Kendall P.Value= <0.01; Half-Life= 284 days
Detectable Data
Non-Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
1e+01
1e+00
1e-01
1e-02
1e-03
Groundwater Elevation (level)
408
406
404
402
400
2014
2016
2018
2020
Date

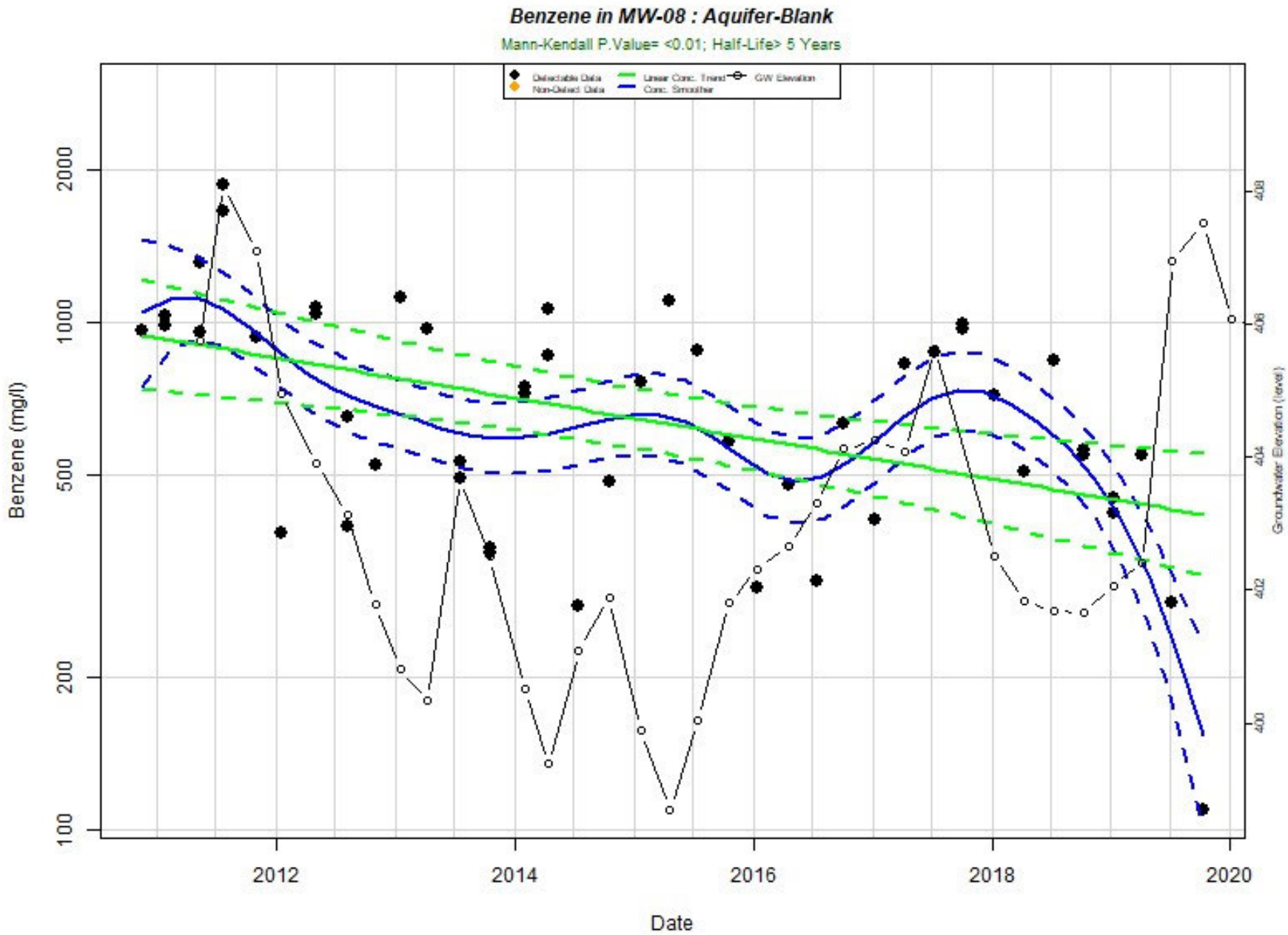

Benzene in ROST-4-PZ(C) : Aquifer-Blank
Mann-Kendall P.Value= 0.0251; Half-Life> 5 Years
Detectable Data
Non-Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
5e-01
2e-01
5e-02
2e-02
5e-03
2e-03
5e-04
2e-04
Groundwater Elevation (level)
408
406
404
402
400
2012
2014
2016
2018
2020
Date

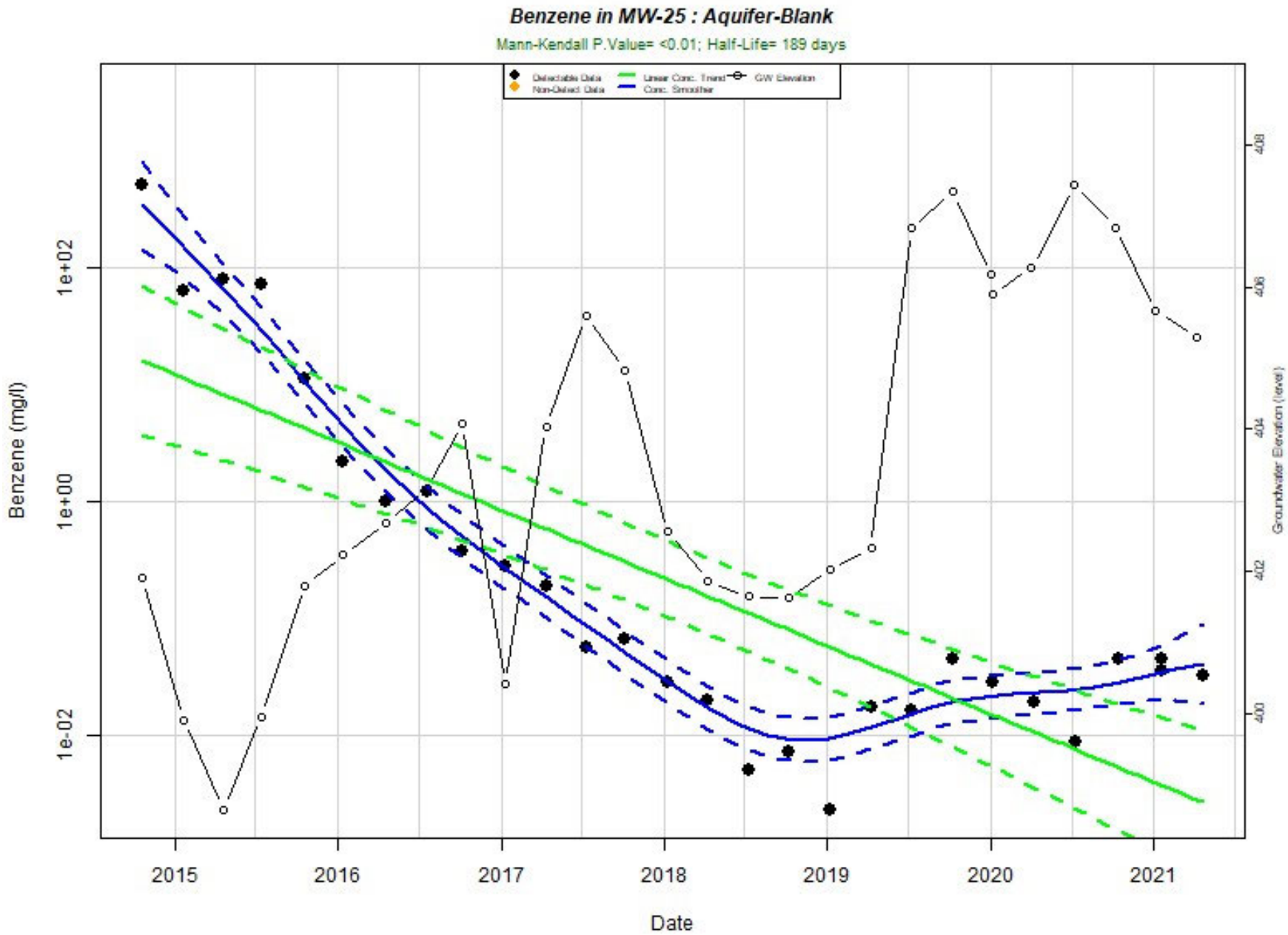

Benzene in P-59 : Aquifer-Blank
Mann-Kendall P.Value= <0.01; Half-Life= 1239 days
Detectable Data
Non-Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
Groundwater Elevation (level)
Date
2012
2014
2016
2018
2020
2
5
10
20
398
400
402
404
406
408

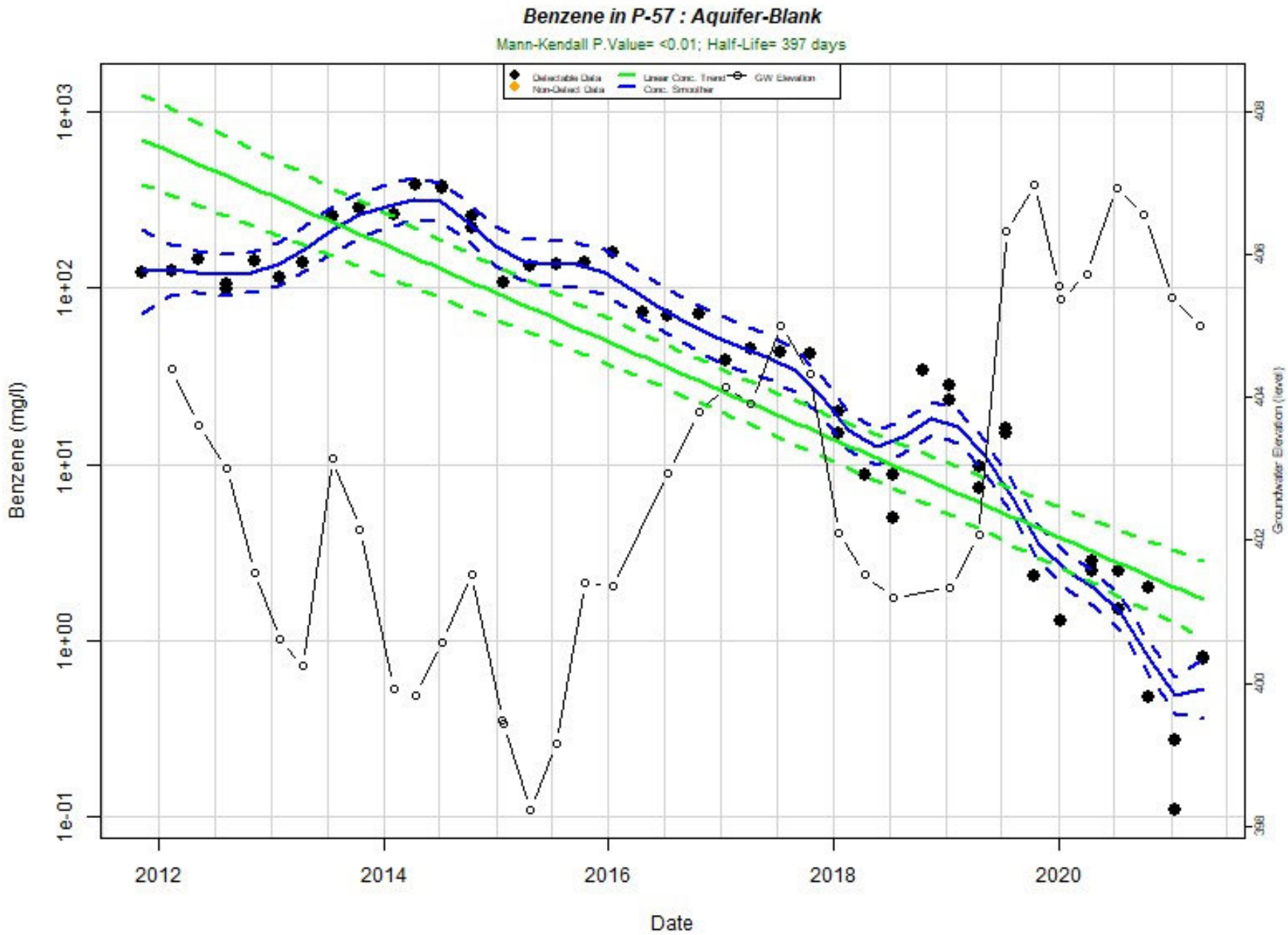

Benzene in T-12 : Aquifer-Blank
Mann-Kendall P.Value= 0.407; Half-Life> 5 Years
Detectable Data
Non-Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
1.5
2.0
2.5
3.0
2012
2014
2016
2018
2020
Date
398
400
402
404
406
408
Groundwater Elevation (feet)

Public Works Yard Area


Benzene in MW-07 : Aquifer-Blank
Mann-Kendall P.Value= 0.396; Half-Life> -5 Years
Detectable Data
Non-Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
2000
1500
1000
500
2012
2014
2016
2018
2020
Date
408
406
404
402
400
Groundwater Elevation (feet)


Benzene in MW-08 : Aquifer-Blank
Mann-Kendall P.Value= <0.01; Half-Life> 5 Years
Detectable Data
Non-Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
100
200
500
1000
2000
2012
2014
2016
2018
2020
Date
400
402
404
406
408
Groundwater Elevation (feet)


Benzene in MW-25 : Aquifer-Blank
Mann-Kendall P.Value= <0.01; Half-Life= 189 days
Detectable Data
Non-Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
1e+02
1e+00
1e-02
Groundwater Elevation (level)
400
402
404
406
408
2015
2016
2017
2018
2019
2020
2021
Date


Benzene in P-57 : Aquifer-Blank
Mann-Kendall P.Value= <0.01; Half-Life= 397 days
Detectable Data
Non-Detect Data
Linear Conc. Trend
Conc. Smoother
GW Elevation
Benzene (mg/l)
1e-01
1e+00
1e+01
1e+02
1e+03
2012
2014
2016
2018
2020
Date
Groundwater Elevation (level)
398
400
402
404
406
408

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